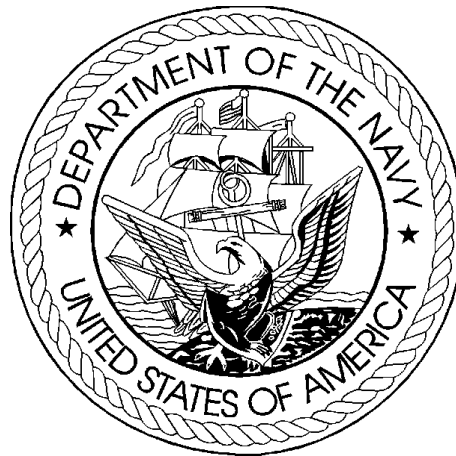


DEPARTMENT OF THE NAVY
FISCAL YEAR (FY) 2006/FY 2007
BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES
FEBRUARY 2005

PROCUREMENT OF AMMUNITION,
NAVY AND MARINE CORPS
BUDGET ACTIVITY 1

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 2006 PROCUREMENT PROGRAM

EXHIBIT P-1

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

DATE: FEBRUARY 2005

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2004 QUANTITY	FY 2004 COST	FY 2005 QUANTITY	FY 2005 COST	FY 2006 QUANTITY	FY 2006 COST	S E C
BUDGET ACTIVITY 01: PROC AMMO, NAVY									

NAVY AMMUNITION									
1	GENERAL PURPOSE BOMBS	A		163.3		180.8		135.4	U
2	JDAM	B	12422	264.9	6620	150.6	3400	82.6	U
3	AIRBORNE ROCKETS, ALL TYPES	A		26.6		34.0		35.2	U
4	MACHINE GUN AMMUNITION	A		17.8		32.5		23.7	U
5	PRACTICE BOMBS	A		46.6		53.4		56.6	U
6	CARTRIDGES & CART ACTUATED DEVICES	A		29.0		29.5		32.6	U
7	AIRCRAFT ESCAPE ROCKETS	A		10.4		10.7		10.9	U
8	AIR EXPENDABLE COUNTERMEASURES	A		52.4		48.5		70.2	U
9	JATOS	A		4.4		4.5		4.6	U
10	5 INCH/54 GUN AMMUNITION	A		12.7		19.7		25.9	U
11	EXTENDED RANGE GUIDED MUNITIONS (ERGM)	B		2.9		.5			U
12	76MM GUN AMMUNITION	A		1.2		1.1			U
13	INTERMEDIATE CALIBER GUN AMMUNITION	A						1.3	U
14	OTHER SHIP GUN AMMUNITION	A		19.2		19.1		40.1	U
15	SMALL ARMS & LANDING PARTY AMMO	A		17.8		23.1		35.6	U
16	PYROTECHNIC AND DEMOLITION	A		10.1		10.1		13.9	U
17	JUDGMENT FUND	A		20.2					U
18	AMMUNITION LESS THAN \$5 MILLION	A		2.1		3.1		3.2	U
				-----	-----		-----		
TOTAL PROC AMMO, NAVY				701.5	621.2		571.5		
				-----	-----		-----		
TOTAL PROCUREMENT OF AMMO, NAVY & MARINE CORPS				701.5	621.2		571.5		

UNCLASSIFIED

**Fiscal Year 2006 Budget Estimates
Budget Appendix Extract Language**

**PROCUREMENT OF AMMUNITION, NAVY and MARINE CORPS
(PANMC)**

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] *law*, 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, [\$888,340,000] \$872,849,000, to remain available for obligation until September 30, [2007] 2008, *of which \$19,562,000 shall be available for the Navy Reserve and Marine Corps Reserve. (Department of Defense Appropriations Act, 2005.)*

CLASSIFICATION: UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2005					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS						P-1 ITEM NOMENCLATURE General Purpose Bombs (BLI 014500)						
Program Element for Code B Items: B.A.1 - Navy Ammunition						Other Related Program Elements						
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY												
COST (In Millions)	\$802.9	A	\$163.3	\$180.8	\$135.4	\$148.7	\$138.5	\$115.7	\$119.0	\$122.4	Cont	Cont
Non Add DERF	\$316.0											

The BLU-111 (FY 04, FY 05, FY 06 and FY 07): The procurement is for expenditure replacement and to maintain war reserve. The BLU-111 A/B is a thermally protected 500 lb bomb filled with plastic bonded explosive (PBXN-109) to enhance its insensitivity.

The Laser Guided Bomb (LGB) guidance units and airfoils (FY 04, FY 05, FY 06 and FY 07): Procurement will be combined with warheads and fuzes from inventory. These procurements are to accommodate training and improve the war reserve posture. The LGB production rate in FY05 was reduced to minimum sustaining rate.

The BSU-33 Conical Fins, BSU-86A/B Fins, BSU-85 Fins and MK 83 Conical Fins (FY 04, FY 05, FY 06 and FY 07): Procurement is to replace expenditures and to maintain war reserve.

The BLU-117/B (FY03) and BLU-110A/B (FY 05, FY 06 and FY07): The procurement is for expenditure replacement and to maintain war reserve. The BLU-117/B weapon is a 2000 lb bomb filled with insensitive explosive for shipboard use, which is an improved weapon over the older MK84. The last buy for the BLU-117/B is FY03. The BLU-110A/B is a 1,000 lb General Purpose Thermally Protected Bomb that is loaded with plastic bonded explosive (PBXN-109) to enhance its insensitive munitions performance.

MK 77 Bombs (FY04-FY07): The procurement is to sustain training requirements over the FYDP to avoid further impact of an already degraded War Reserve stockpile.

The Product Improvement Program (PIP): The PIP effort is being used to continue investigation regarding hardware coating materials necessary in meeting the Environment Protection Agency's more stringent requirements.

PES/ILS: Production engineering support (PES) and Integrated logistics support (ILS) are continuing efforts in support of the procurement of GP bombs and ancillary components. These efforts include providing recommendations and assisting in rapid resolution of maintenance procedure discrepancies to achieve optimum asset readiness; audits, pre-award surveys, post award surveys, post award conferences, First Article Testing or any other technical problems which may arise. These funds are provided in parallel with the FY 04, FY 05, FY 06 and FY07 buy of end items.

Dual Mode Bomb Kits (FY04): A Congressional add in FY04.

FUZES: The fuze line in FY05, FY06, and FY07 was transitioned from JDAM to procure the FMU-143, FMU-139, DSU-33, FMU-140, FMU-159, FMU-152 or the M904.

Bomb Subcomponents: The Bomb Subcomponents line is created in FY05 through FY07 to procure Arming Wires, adapters, lugs, nose plugs, etc.

P-1 SHOPPING LIST

CLASSIFICATION:

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS										DATE:		
P-40a										February 2005		
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE					
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS							General Purpose Bombs (BLI 014500)					
Procurement Items	ID Code	Prior Years*	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
LGB AFG(MXU-667/B/MXU-650/B)	A	--										
QTY			8,782	5,536	3,228	3,150						
Funding			\$29,006	\$19,194	\$11,471	\$11,474					Cont	Cont
LGB GUIDANCE UNIT(MAU-169/MAU-209 GU	A	--										
QTY			8,782	5,536	3,228	3,150						
Funding *			\$43,567	\$41,051	\$24,535	\$24,541					Cont	Cont
BLU-111A/B PBX LOAD	A	--										
QTY			25,333	24,236	7,100	9,400						
FUNDING			\$66,375	\$62,148	\$18,595	\$25,165					Cont	Cont
BLU-110A/B PBX LOAD (F288)	A	--										
QTY			0	1,852	6,460	5,361						
FUNDING			\$0	\$10,034	\$35,700	\$30,287					Cont	Cont
MK 77 Firebomb	A											
QTY			456	500	500	500					Cont	Cont
FUNDING			\$1,802	\$1,849	\$1,895	\$1,942						
BSU-86A/B	A	--										
QTY			6,675	3,103	9,600	11,185						
FUNDING			\$7,576	\$3,526	\$11,081	\$13,139					Cont	Cont
BSU-33 Conical Fins	A	--										
QTY			13,200	26,000	16,000	16,000						
FUNDING			\$1,209	\$2,170	\$1,361	\$1,385					Cont	Cont
MK 83 Conical Fins	A	--										
QTY			1,000	5,000	5,500	6,000						
FUNDING			\$185	\$892	\$997	\$1,106					Cont	Cont
MK 84 Conical Fins	A											
QTY			0	0	0	8,000						
FUNDING			\$0	\$0	\$0	\$3,231					Cont	Cont
BSU-85	A	--										
QTY			1,250	5,080	3,395	3,399						
FUNDING			\$1,295	\$5,297	\$3,603	\$3,671					Cont	Cont
FMU-139 FUZE	A	--										
QTY			0	9,617	7,857	11,715						
FUNDING			\$0	\$7,578	\$6,346	\$9,699					Cont	Cont
MK 76 (E973)	A	--										
QTY			0	0	0	0						
FUNDING			\$0	\$0	\$0	\$0					Cont	Cont
BDU-48 (E962)	A	--										
QTY			0	0	0	0						
FUNDING			\$0	\$0	\$0	\$0					Cont	Cont
MK 82 INERT (F237)	A	--										
QTY			0	0	0	0						
FUNDING			\$0	\$0	\$0	\$0					Cont	Cont
MK 84 INERT	A	--										
QTY			0	0	0	0						
FUNDING			\$0	\$0	\$0	\$0					Cont	Cont
Bomb Subcomponents			\$0	\$5,000	\$5,125	\$5,253						
Fuzes												
QTY				8700	4,915	5,188						
FUNDING			\$0	\$17,400	\$8,600	\$10,900					Cont	Cont
Dual Mode Bomb Kits			\$1,250	\$0	\$0	\$0					Cont	Cont
ALL OTHER SUPPORT		--	\$11,075	\$4,612	\$6,046	\$6,954					Cont	Cont
TOTAL P-1 FUNDING		\$802,931	163,340	180,751	135,355	148,747					Cont	Cont

*The LGB KITS (MAU169/MAU209 GU) INCLUDE \$2,574 FOR GBU RETROFIT.

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS									Weapon System				Date:			
P-5									FEBRUARY 2005							
APPROPRIATION/BUDGET ACTIVITY									ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD						
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS																
B.A. 1 - Navy Ammunition									GENERAL PURPOSE BOMBS (BLI 014500)							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 2004			FY 2005			FY 2006			FY 2007			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
	GENERAL PURPOSE BOMBS SUBTOTAL					78,442			110,894			88,178			100,525	
Q2191	BLU-111A/B PBX Load(F289)	A		25,333	2,620.11	66,375	24,236	2,564.28	62,148	7,100	2,619.03	18,595	9,400	2,677.11	25,165	
Q2192	BLU-110A/B PBX LOAD (F288)	A		0	0	0	1,852	5,417.96	10,034	6,460	5,526.32	35,700	5,361	5,649.53	30,287	
Q2194	MK 77 Bombs	A		456	3,951.56	1,802	500	3,698.00	1,849	500	3,790.00	1,895	500	3,884.00	1,942	
Q2020	BSU-86A/B	A		7,668	988	7,576	3,103	1,136.23	3,526	9,600	1154.25	11,081	11,185	1,174.66	13,139	
Q2010	BSU-33 Conical Fins(F782)	A		15,090	80.12	1,209	26,000	83.47	2,170	16,000	85.04	1,361	16,000	86.56	1,385	
Q2030	MK 83 Conical Fins(EA96)	A		1,080	171.3	185	5,000	178.31	892	5,500	181.27	997	6,000	184.39	1,106	
Q2031	BSU-85(1W73)	A		1,274	1016.48	1,295	5,080	1,042.70	5,297	3,395	1061.27	3,603	3,399	1,080.07	3,671	
Q2032	FMU-139 FUZE	A		0	0	0	9,617	788.00	7,578	7,857	807.7	6,346	11,715	827.89	9,699	
Q2037	MK84 Conical Fins	A		0	0	0	0	0	0	0	0	0	8,000	403.87	3,231	
Q2196	Fuzes	A		0	0	0	8,700	2,000.00	17,400	4,195	2,050.00	8,600	5,188	2,101.00	10,900	
	LASER GUIDED BOMB KITS SUBTOTAL					72,573			60,245			36,006			36,015	
Q2180	AIR FOILS (MXU-650/B) (F763)	A		8,782	various	29,006	5,536	3,467.06	(19,194)	3,228	3,553.73	(11,471)	3,150	3,642.57	(11,474)	
Q2180	GUIDANCE UNIT MAU-169 (FW94)/MAU-209	A		8,782	various	43,567	5,536	7,415.31	(41,051)	3,228	7,600.69	(24,535)	3,150	7,790.71	(24,541)	
Q2800	PROCUREMENT SPT, MODS, OTHER ILS SUBTOTAL					400			400			600			600	
	ILS (GP Bombs)					(200)			(200)			(300)			(300)	
	ILS (GBU)					(200)			(200)			(300)			(300)	
Q2830	PES/NAVY SUBTOTAL					5,153			3,662			4,836			5,604	
	PES (GP Bombs)					(4142)			(1,331)			(1968)			(2,459)	
	PES (GBU & LGB)					(1,011)			(2,331)			(2868)			(3,145)	
	OTHER SUBTOTAL					5,522			550			610			750	
Q2850	PIP					5,079			100			100			100	
Q2892	Non Standard Items					100			100			100			200	
Q2893	Renovation Components					150			100			160			200	
Q2894	Gaging					193			250			250			250	
Q2197	BOMB SUBCOMPONENTS					0			5,000			5,125			5,253	
Q2830	DUAL MODE BOMB KITS					1,250			0			0			0	
TOTAL			802,931			163,340			180,751			135,355			148,747	

NOTE: Q2180 LGB KITS were awarded to Lockheed Martin/Raytheon for a total of \$70M. \$5.3M is being used to buy GBU-24B/B retrofit and FMU-139 PIP.

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE FEBRUARY 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS B.A.1 - NAVY AMMUNITION					C. P-1 ITEM NOMENCLATURE General Purpose Bombs(BLI 014500)				SUBHEAD J1Q2	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (UUU)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
GENERAL PURPOSE BOMBS										
<u>Q2191 BLU-111A/B PBX Load</u>										
FY03	22,745	2,548.83	Rock Island, IL	Jan-03	C/FP	MCALISTER, AAP	Apr-03	Sep-04	YES	
FY03 (IFF)	4,912	2,548.83	Rock Island, IL	Jan-03	C/FP	MCALISTER, AAP	Sep-03	Oct-04	YES	
FY04	25,333	2,620.10	Rock Island, IL	Jan-04	C/FP	MCALISTER, AAP	Apr-04	Sep-05	YES	
FY05	24,236	2,564.28	Rock Island, IL	Jan-04	C/FP	MCALISTER, AAP	Apr-05	Sep-06	YES	
FY06	7,100	2,619.03	Rock Island, IL	TBD	C/FP	MCALISTER, AAP	Apr-06	Sep-07	YES	
FY07	9,400	2,677.11	Rock Island, IL	TBD	C/FP	MCALISTER, AAP	Apr-07	Sep-08	YES	
<u>Q2192 BLU-110A/B PBX LOAD</u>										
FY03 (IFF)	4,937	5,600.00	Rock Island, IL	Jan-04	C/FP	MCALISTER, AAP	Sep-03	Oct-04	YES	
FY05	1,852	5,417.96	Rock Island, IL	Jan-04	C/FP	MCALISTER, AAP	Apr-05	Sep-06	YES	
FY06	6,460	5,526.32	Rock Island, IL	TBD	C/FP	MCALISTER, AAP	Apr-06	Sep-07	YES	
FY07	5,361	5,649.53	Rock Island, IL	TBD	C/FP	MCALISTER, AAP	Apr-07	Sep-08	YES	
<u>Q2194 MK 77 BOMBS</u>										
FY03	437	3,951.56	Rock Island, IL	Sep-03	C/FP	TRIUMPH, INC	Nov-04	Aug-05	YES	
FY04	456	3,951.56	Rock Island, IL	Sep-04	C/FP	TRIUMPH, INC	Nov-04	Nov-05	YES	
FY05	500	3,698.00	Rock Island, IL	Sep-04	C/FP	UNKNOWN	Apr-05	Sep-06	YES	
FY06	500	3,790.00	Rock Island, IL	TBD	C/FP	UNKNOWN	Apr-06	Sep-07	YES	
FY07	500	3,884.00	Rock Island, IL	TBD	C/FP	UNKNOWN	Apr-07	Sep-08	YES	
<u>Q2020 BSU-86A/B</u>										
FY04	7,668	988.00	Rock Island, IL	Jan-04	C/FP	CAPCO, CO	Jan-04	Feb-05	YES	
FY05	3,103	1,136.23	Rock Island, IL	Jan-04	C/FP	UNKNOWN	Jan-05	Feb-06	YES	
FY06	9,600	1,154.25	Rock Island, IL	TBD	C/FP	UNKNOWN	Jan-06	Feb-07	YES	
FY07	11,185	1,174.66	Rock Island, IL	TBD	C/FP	UNKNOWN	Jan-07	Feb-08	YES	
<u>Q2010 BSU-33 Conical Fins</u>										
FY03	29,134	90.07	Rock Island, IL	Jan-03	C/FP	MTD, TN	Jan-03	Feb-04	YES	
FY04	15,090	80.12	Rock Island, IL	Jan-04	C/FP	MTD, TN	Jan-04	Feb-05	YES	
FY05	26,000	83.47	Rock Island, IL	Jan-04	C/FP	UNKNOWN	Jan-05	Feb-06	YES	
FY06	16,000	85.04	Rock Island, IL	TBD	C/FP	UNKNOWN	Jan-06	Feb-07	YES	
FY07	16,000	86.56	Rock Island, IL	TBD	C/FP	UNKNOWN	Jan-07	Feb-08	YES	
<u>Q2179 FMU-143E/B(F849)</u>										
FY03	1,426	2,422.86	Rock Island, IL	Jan-03	C/FP	DAYRON	Apr-03	Sep-04	YES	
<u>Q2030 MK 83 Conical Fins</u>										
FY03	5,372	194.40	Rock Island, IL	Jan-03	C/FP	MTD, TN	Jan-03	Feb-04	YES	
FY04	1,080	171.30	Rock Island, IL	Jan-04	C/FP	MTD, TN	Jan-04	Feb-05	YES	
FY05	5,000	178.31	Rock Island, IL	Jan-04	C/FP	UNKNOWN	Jan-05	Feb-06	YES	
FY06	5,500	181.27	Rock Island, IL	Jan-05	C/FP	UNKNOWN	Jan-06	Feb-07	YES	
FY07	6,000	184.39	Rock Island, IL	Jan-05	C/FP	UNKNOWN	Jan-07	Feb-08	YES	
<u>Q2037 MK 84 Conical Fins</u>										
FY07	8,000	403.87	Rock Island, IL	Jan-05	C/FP	UNKNOWN	Jan-07	Feb-08	YES	
<u>Q2031 BSU-85</u>										
FY03	2,552	849.92	Rock Island, IL	Jan-03	C/FP	UNKNOWN	Dec-03	Jun-06	YES	
FY04	1,274	1,016.48	Rock Island, IL	Jan-04	C/FP	UNKNOWN	Dec-04	Nov-05	YES	
FY05	5,080	1,042.70	Rock Island, IL	Jan-04	C/FP	UNKNOWN	Jan-05	Feb-06	YES	
FY06	3,395	1,061.27	Rock Island, IL	Jan-05	C/FP	UNKNOWN	Jan-06	Feb-07	YES	
FY07	3,399	1,080.07	Rock Island, IL	Jan-05	C/FP	UNKNOWN	Jan-07	Jan-08	YES	
D. REMARKS:										

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE FEBRUARY 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS B.A.1 - NAVY AMMUNITION					C. P-1 ITEM NOMENCLATURE General Purpose Bombs(BLI 014500)				SUBHEAD J1Q2	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
GENERAL PURPOSE BOMBS										
(Continued)										
<u>Q2032 FMU-139 Fuze</u>										
FY03 (IFF)	16,773	746.65	NAVAIR	Dec-03	SS/FP	KDI, OH	Sep-03	Oct-04	YES	
FY05	9,617	788.00	NAVAIR	Dec-04	C/FP	UNKNOWN	Apr-05	Feb-06	YES	
FY06	7,857	807.70	NAVAIR	Dec-05	C/FP	UNKNOWN	Apr-06	Feb-07	YES	
FY07	11,715	827.89	NAVAIR	Dec-05	C/FP	UNKNOWN	Apr-07	Feb-08	YES	
<u>Q2196 FUZES</u>										
FY05	8,700	2,000.00	Rock Island, IL	Jan-04	C/FP	UNKNOWN	Jan-05	Feb-06	YES	
FY06	4,195	2,050.00	Rock Island, IL	Jan-05	C/FP	UNKNOWN	Jan-06	Feb-07	YES	
FY07	5,188	2,101.00	Rock Island, IL	Jan-05	C/FP	UNKNOWN	Jan-07	Feb-08	YES	
<u>Q2033 MK 76</u>										
FY03	10,650	30.19	Rock Island, IL	Jan-03	C/FP	DELFASCO	Feb-03	Feb-04	YES	
<u>Q2034 BDU-48</u>										
FY03	18,020	45.06	Rock Island, IL	Jan-03	C/FP	MCALISTER, AAP	Feb-03	Feb-04	YES	
<u>Q2035 MK 82 INERT</u>										
FY03	1,542	1,121.96	Rock Island, IL	Jan-03	C/FP	MCALISTER, AAP	Feb-03	Feb-04	YES	
<u>Q2036 MK 84 INERT</u>										
FY03	1,000	3,050.00	Rock Island, IL	Jan-04	C/FP	MCALISTER, AAP	Feb-03	Feb-04	YES	
D. REMARKS:										

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE FEBRUARY 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS B.A.1 - NAVY AMMUNITION					C. P-1 ITEM NOMENCLATURE General Purpose Bombs(BLI 014500)				SUBHEAD J1Q2	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
<u>Q2180 LASER GUIDED BOMBS KITS</u>										
<u>FY 04 Awards</u>										
FY04 (MXU-650/B)	1,750	Various	Hill AFB	Dec-02	C/FP	LMCO/RAYCO	Mar-04	Jun-05	YES	
FY04 (MXU-650/B)	7,032	Various	Hill AFB	Dec-02	C/FP	RAYTHEON	Mar-04	Oct-05	YES	
FY04 (MAU-209 CCG) *	1,750	Various	Hill AFB	Dec-02	C/FP	LMCO/RAYCO	Mar-04	Jun-05	YES	
FY04 (MAU-169 CCG) *	7,032	Various	Hill AFB	Dec-02	C/FP	RAYTHEON	Mar-04	Oct-05	YES	
<u>FY05 Awards</u>										
FY05 (MAU-169/209 CCG)	5,536	7,415.31	Hill AFB	TBD	C/FP	UNKNOWN	Mar-05	Oct-05	YES	
FY05 (MXU 650/B)	5,536	3,467.06	Hill AFB	TBD	C/FP	UNKNOWN	Mar-05	Oct-05	YES	
<u>FY06 Awards</u>										
FY06 (MAU-169/209 CCG)	3,228	7,600.69	Hill AFB	TBD	C/FP	UNKNOWN	Mar-06	Oct-06	YES	
FY06 (MXU-650/B)	3,228	3,553.73	Hill AFB	TBD	C/FP	UNKNOWN	Mar-06	Oct-06	YES	
<u>FY07 Awards</u>										
FY07 (MAU-169/209 CCG)	3,150	7,790.71	Hill AFB	TBD	C/FP	UNKNOWN	Mar-07	Oct-07	YES	
FY07 (MXU-650/B)	3,150	3,642.67	Hill AFB	TBD	C/FP	UNKNOWN	Mar-07	Oct-07	YES	
D. REMARKS: *The LGB KITS (MAU169/MAU209 GU) INCLUDE \$2,574 FOR GBU RETROFIT.										

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CLASSIFICATION: **UNCLASSIFIED**

[illegible]

CLASSIFICATION: **UNCLASSIFIED**

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FY 2004/05 BUDGET PRODUCTION SCHEDULE, P-21

[illegible]

Weapon System

DATE _____

FEBRUARY 2005

PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS

P-1	ITEM NOMENCLATURE
-----	-------------------

General Purpose Bombs (BLI 014500)

		Production Rate			Procurement Leadtimes				General Information (Last 2000)	
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
MK83 CONICAL FINS	MTD, TN	14400	18000	26400/ann.		6	18		24	E
BSU-85	UNK	7200	12000	18000		6	14		20	E
FMU-139 Fuze	KDI, OH	24000	60000	96000		6	10		16	E

[illegible][illegible]

Remarks:

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2005				
APPROPRIATION/BUDGET ACTIVITY BA-1 PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS							P-1 ITEM NOMENCLATURE BLI 014800 JOINT DIRECT ATTACK MUNITION (JDAM) J1JD					
Program Element for Code B Items:							Other Related Program Elements NONE					
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY	31,364	A	12,422	6,620	3,400	3,400	1,500	1,500	1,500	1,500	0	63,206
COST (\$M)	742.6		264.9	150.6	82.6	85.1	41.3	42.7	44.5	46.1	0.0	1500.3
Initial Spares (\$M)												
Total (\$M)	742.6		264.9	150.6	82.6	85.1	41.3	42.7	44.5	46.1	0.0	1500.3
Unit Cost (\$M)	0.024		0.021	0.023	0.024	0.025	0.028	0.028	0.030	0.031	0.000	0.024
DERF Quantity - Non Add	7,890											7,890
DERF Dollars - Non Add	161.1											161.1

MISSION AND DESCRIPTION Operation Desert Storm confirmed the need for a more accurate weapon delivery capability in adverse weather conditions and from medium/high altitudes. Failure to satisfy this requirement will allow the enemy to continue to take advantage of the sanctuary of weather and/or prevent US air power from prosecuting a conflict on its terms. JDAM is an Air Force and Navy munitions program to correct these shortfalls, with the Air Force as the executive service. JDAM upgrades the existing inventory of general purpose bombs (MK 84, BLU-109/B, MK83, and MK82) by integrating them with a guidance kit consisting of a global positioning system aided inertial navigation system (GPS/INS). JDAM will provide an accurate (13 meters) adverse weather capability. JDAM is integrated with the B-52, B-2, B-1B, F-16, F/A-18C/D/E/F and F-14 aircraft, with follow-on integration on the F-15E, F-22, A-10, and AV-8B. The Navy is responsible for fielding a JDAM All-Up-Round (AUR) system; procuring components as required to satisfy that system (tail kits, fuzes and arming systems, warheads, and support equipment). FY03 and FY04 quantities were increased to meet wartime surge. FY05 through FY11 reflect quantities necessary to meet Non Nuclear Ordnance Requirements (NNOR). Selective Availability Anti-Spoofing Module (SAASM) will be incorporated into the FY 2005 production quantities, to be delivered in FY 2006. Beginning in FY05, Fuze money is moved to the Navy's GP Bombs PE. The JDAM FY06 and FY07 procurements support a contractually agreed minimum sustaining rate. The JDAM contractual agreement ends in FY07.

The total production buy for JDAM is 211,515 units (148,309 for USAF and 63,206 for Navy, not including any DERF). There is no requirement for initial spares because of the 20 year warranty.

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WEAPONS SYSTEM COST ANALYSIS P-5							Weapon System						DATE: February 2005		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS B.A.1 - Navy Ammunition							ID Code		P-1 ITEM NOMENCLATURE/SUBHEAD JOINT DIRECT ATTACK MUNITION (JDAM) J1JD BLI 014800						
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2004			FY 2005			FY 2006			FY 2007		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
JD100	AIR VEHICLE	A	628,883	12,422	19,621	243,727	6,620	21,145	139,978	3,400	21,770	74,017	3,400	22,644	76,991
JD200	FUZES *	A	26,679			10,000									
JD300	WARHEAD		28,363												
JD100	ENGINEERING CHANGE ORDERS (ECO)		0			2,832			3,615			2,747			2,849
	TOTAL RECURRING FLYAWAY		683,925	12,422	20,654	256,559	6,620	21,691	143,593	3,400	22,578	76,764	3,400	23,482	79,840
JD100	SCHEDULE ACCELERATION		1,457			0			0			0			0
JD830	PRODUCTION TECH SUPPORT		33,488			4,410			4,351			3,799			3,132
JD100	CONTRACTOR INCENTIVE		8,167			2,378			1,400			740			770
JD840	PRODUCTION TEST		2,789			358			256			262			267
JD100	AIRBORNE TEST EQUIPMENT		568			758			295			300			305
JD850	DATA		2			0			0			0			0
JD700	CABLES		720			0			0			0			0
	TOTAL NON-RECURRING		47,191			7,904			6,302			5,101			4,474
	TOTAL WEAPON FLYAWAY		731,116	12,422	21,290	264,463	6,620	22,643	149,895	3,400	24,078	81,865	3,400	24,798	84,314
JD940	LOAD/BUILDUP TRAINERS		857			0			0			0			0
JD960	TEST EQUIPMENT		4,350			0			0			0			0
JD970	ILS		5,300			353			557			568			580
JD990	TRAINING		794			0			97			99			102
JD920	DATA (TECHNICAL)		183			80			56			57			58
	TOTAL FLEET SUPPORT		11,484			433			710			724			740
	TOTAL WEAPON SYSTEM		742,600	12,422	21,325	264,896	6,620	22,750	150,605	3,400	24,291	82,589	3,400	25,016	85,054
	TOTAL PROGRAM COST		742,600	12,422	21,325	264,896	6,620	22,750	150,605	3,400	24,136	82,589	3,400	24,799	85,054
	DERF (NON-ADD)														
JD100	AIR VEHICLE		157,866												
JD200	FUZES		3,055												
JD100	CONTRACTOR INCENTIVE		166												
JD830	PRODUCTION TECH SUPPORT		0												
	TOTAL DERF		161,087												

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2005			
B. APPROPRIATION/BUDGET ACTIVITY BA-1 PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					C. P-1 ITEM NOMENCLATURE JOINT DIRECT ATTACK MUNITION BLI 014800				SUBHEAD J1JD	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
FY03 Lot 7 JDAM	12,280	19,738	USAF AAC/YU EGLIN AFB, FL		FFP	Boeing St. Louis, MO	Mar 03	Mar 04	N/A ⁽¹⁾	N/A
FY04 Lot 8 JDAM	12,422	19,621	USAF AAC/YU EGLIN AFB, FL		FFP	Boeing St. Louis, MO	Feb 04	Mar 05	N/A ⁽¹⁾	N/A
FY05 Lot 9 JDAM	6,620	21,145	USAF AAC/YU EGLIN AFB, FL		FFP	Boeing St. Louis, MO	Feb 05	Mar 06	N/A ⁽¹⁾	N/A
FY06 Lot 10 JDAM	3,400	21,770	USAF AAC/YU EGLIN AFB, FL		FFP	Boeing St. Louis, MO	Feb 06	Mar 07	N/A ⁽¹⁾	N/A
FY07 Lot 11 JDAM	3,400	22,644	USAF AAC/YU EGLIN AFB, FL		FFP	Boeing St. Louis, MO	Feb 07	Mar 08	N/A ⁽¹⁾	N/A
D. REMARKS										
(1) SPECIFICATIONS HAVE BEEN WAIVED DUE TO JDAM's STATUS AS AN ACQUISITION REFORM PILOT PROGRAM.										

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FY 2006 BUDGET PRODUCTION SCHEDULE, P-21																	DATE February 2005																			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA-1																	Weapon System					P-1 ITEM NOMENCLATURE J1JD Joint Direct Attack Munition (JDAM) BLI 014800														
		Production Rate					Procurement Leadtimes																													
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1			ALT After Oct 1			Initial Mfg PLT			Reorder Mfg PLT			Total	Unit of Measure														
JDAM	Boeing					9996	18000	36000	0 mo			4			13			13			17	E														
	St. Louis, MO																																			
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2004												FISCAL YEAR 2005												B A L					
							2003			CALENDAR YEAR 2004									CALENDAR YEAR 2005																	
							O C T	N O V	D E C	J A N	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						
JDAM - Boeing																																				
Lot 7		03	N	12280	0	12280		947	303	200	200	1311	1024	824	972	824	724	876	774	726	726	470	1048	331											0	
Lot 7		03	AF	23340	0	23340						460	1750	2002	1854	2002	2104	1951	2052	2100	2074	2358	1723	910										0		
Lot 8		04	N	12422	0	12422					A													1584	903	640	574	632	795	1270	6024					
Lot 8		04	AF	20244	0	20244					A												600	1550	1620	1470	1374	1450	1450	10730						
Lot 9		05	N	6620	0	6620																											6620			
Lot 9		05	AF	23137	0	23137																	A										23137			
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2006												FISCAL YEAR 2007												B A L					
							2005			CALENDAR YEAR 2006									CALENDAR YEAR 2007																	
							O C T	N O V	D E C	J A N	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						
Lot 8		04	N	12422	6398	6024	1082	1068	1726	1656	492																						0			
Lot 8		04	AF	20244	9514	10730	1400	1400	2250	2850	2830																						0			
Lot 9		05	N	6620	0	6620						714	714	1114	1114	514	514	544	314	238	292	214	334									0				
Lot 9		05	AF	23137	0	23137						1776	1776	1376	1376	1976	1976	1946	2176	2214	2113	2276	2156									0				
Lot 10		06	N	3400	0	3400					A													334	334	334	734	634	190	0	840					
Lot 10		06	AF	18008	0	18008					A												1530	1530	1530	1130	1230	1670	1870	7518						
Lot 11		07	N	3400	0	3400																	A									3400				
Lot 11		07	AF	12873	0	12873																	A									12873				
Remarks:																																				

FY 2006 BUDGET PRODUCTION SCHEDULE, P-21										DATEFebruary 2005																								
APPROPRIATION/BUDGET ACTIVITYBA-1										Weapon System										P-1 ITEM NOMENCLATUREBLI 014800														
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS																				Joint Direct Attack Munition (JDAM) J1JD														
						Production Rate			Procurement Leadtimes																									
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1		ALT After Oct 1		Initial Mfg PLT		Reorder Mfg PLT		Total	Unit of Measure																
JDAM	Boeing					9996	18000	36000	0 mo		4		13		13		17	E																
	St. Louis, MO																																	
ITEM / MANUFACTURER		FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2008															FISCAL YEAR 2009												BAL
							2007			CALENDAR YEAR 2008												CALENDAR YEAR 2009												
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
Lot 10	06	N	3400	2560	840	24	144	250	250	172																			0					
Lot 10	06	AF	18008	10490	7518	1840	1680	1438	1280	1280																			0					
Lot 11	07	N	3400	0	3400						536	540	490	100	150	200	450	534	400										0					
Lot 11	07	AF	12873	0	12873						834	830	880	1270	1220	1170	920	836	886	1287	1370	1370							0					
ITEM / MANUFACTURER		FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2010															FISCAL YEAR 2011												BAL
							2010			CALENDAR YEAR 2010												CALENDAR YEAR 2011												
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
Remarks:																																		
MSR represents JOINT quantities (USN and USAF). Current USAF procurements reflect PB05; AF POM06 procurements have not been released.																																		

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET							DATE: February 2005					
P-40												
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1							P-1 ITEM NOMENCLATURE (BLI 015100) AIRBORNE ROCKETS, ALL TYPES (J1Q5)					
Program Element for Code B Items:							Other Related Program Elements					
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY												
COST (\$M)	\$100.8	A	\$26.6	\$34.0	\$35.2	\$15.6	\$37.2	\$37.4	\$38.2	\$39.0	Cont.	Cont.
Procurements are to keep pace with the training usage of MK-66 rocket motors and maintain an adequate inventory of a variety of warheads for the 2.75" and 5.00" Rockets. Product improvements address deficiencies in the safety, reliability and producibility of Airborne Rockets. Specific projects include insensitive munitions improvements to the rocket motors, safety improvements to Warheads, and reliability improvements to the 2.75 inch launchers. Upgrade MK66 from J147 to HA03. This is to prevent stabilizing rod ejection during the launch cycle and inspect for propellant grain defects. Low Rate Initial Production (LRIP) procurement of Advanced Precision Kill Weapon System guidance sections begins in FY06. *Prior years figures reflect FY 01 to FY03. FY 00 and prior are in the 2.75" Rockets Line.												

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a								DATE: February 2005				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1								P-1 ITEM NOMENCLATURE AIRBORNE ROCKETS, ALL TYPES (J1Q5)				
Procurement Items	ID Code	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007					To Complete	Total
MK 66 Rkt Motor (HA07)	A											
Quantity		112,690	19,956	18,448	1,321	0						
Funding		\$47,788	\$9,050	\$8,500	\$617	\$0					Continuing	Continuing
MK 71 Rkt Motor (H547)	A											
Quantity		2,460	2,000	3,267	3,461	0						
Funding		\$13,300	\$8,000	\$13,279	\$14,320	\$0					Continuing	Continuing
M278 Warhead	A											
Quantity		1,520	0	0	0	0						
Funding		\$2,385	\$0	\$0	\$0	\$0					Continuing	Continuing
M229 HE Wrhd (MK 146)	A											
Quantity		0	0	2,000	2,171	0						
Funding		\$0	\$0	\$1,665	\$1,839	\$0					Continuing	Continuing
M255A1 Flechette Wrhd	A											
Quantity		0	0	5,284	2,001	0						
Funding		\$0	\$0	\$3,699	\$1,426	\$0					Continuing	Continuing
WTU-1/B Inert Wrhd (H663)	A											
Quantity		33,685	13,958	14,003	13,182	12,988						
Funding		\$1,277	\$518	\$528	\$506	\$549					Continuing	Continuing
LAU-61 Launcher	A											
Quantity		0	0	0	110	0						
Funding		\$0	\$0	\$0	\$801	\$0					Continuing	Continuing
MK 34 Warhead	A											
Quantity		6,962	3,698	0	3,200	0						
Funding		\$6,329	\$2,975	\$0	\$2,663	\$0					Continuing	Continuing

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a								DATE: February 2005				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1								P-1 ITEM NOMENCLATURE AIRBORNE ROCKETS, ALL TYPES (J1Q5)				
Procurement Items	ID Code	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007					To Complete	Total
Smokey SAM	A											
Quantity		9,108	3,500	3,516	3,200	0						
Funding		\$1,192	\$433	\$442	\$409	\$0					Continuing	Continuing
Advanced Precision Kill Weapon System	A											
Quantity		0	0	0	325	600						
Funding		\$0	\$0	\$0	\$8,079	\$12,000					Continuing	Continuing
Upgrade J147 to HA03	A	\$6,464	\$1,693	\$2,193	\$1,029	\$0					Continuing	Continuing
Misc Components		\$0	\$350	\$578	\$545	\$0					Continuing	Continuing
Non-Standard Items			\$0	\$40	\$40	\$40						
Renovation Components			\$100	\$88	\$60	\$60						
Containers		\$2,050	\$615	\$517	\$37	\$0					Continuing	Continuing
Support Costs		\$8,997	\$2,884	\$2,490	\$2,788	\$2,926					Continuing	Continuing
MK66 Rkt Mtr (IFF Supplemental)												
Quantity		24440										
Funding		\$10,262										
Containers (IFF Supplemental)												
Quantity		6709										
Funding		\$738										
Total P-1 Funding		\$100,782	\$26,618	\$34,019	\$35,159	\$15,575					Continuing	Continuing

CLASSIFICATION: UNCLASSIFIED															
WEAPONS SYSTEM COST ANALYSIS P-5							Weapon System						DATE: February 2005		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 B.A.1 - Navy Ammunition							ID Code A		P-1 ITEM NOMENCLATURE/SUBHEAD AIRBORNE ROCKETS, ALL TYPES (J1Q5) (BLI 015100)						
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY2004			FY 2005			FY 2006			FY 2007		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
Q5040	MK 66 Rocket Motor (HA07)	A	47,788	19,956	453.50	9,050	18448	460.75	8,500	1,321	469.05	617	0	0.00	0
Q5041	MK 71 Rocket Motor (H547)	A	13,300	2,000	4,000.00	8,000	3,267	4,064.00	13,279	3,461	4,137.15	14,320	0	0.00	0
Q5070	M278 IR Illum. Warhead (HA06)	A	2,385	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Q5080	M229 HE Warhead (MK 146)	A	0	0	0.00	0	2,000	832.32	1,665	2,171	847.30	1,839	0	0.00	0
Q5090	M255A1 Flechette Warhead	A	0	0	0.00	0	5,284	700.00	3,699	2,001	712.60	1,426	0	0.00	0
Q5030	WTU-1/B Inert Warhead (H663)	A	1,277	13,958	37.11	518	14003	37.71	528	13,182	38.38	506	12,988	42.27	549
Q5895	LAU-61 Launcher	A	0	0	0.00	0	0	0.00	0	110	7,282.80	801	0	0.00	0
Q5100	MK34 Smoke Warhead	A	6,329	3,698	804.49	2,975	0	817.36	0	3,200	832.07	2,663	0	0.00	0
Q5200	Smokey SAM	A	1,192	3,500	123.71	433	3516	125.69	442	3,200	127.96	409	0	0.00	0
QTBD	Adv. Precision Kill Weapon Sys	A	0	0	0.00	0	0	0.00	0	325	24,858.00	8,079	600	20,000.00	12,000
Q5050	Upgrade J147 to HA03		6,464			1,693			2,193			1,029			0
Q5051	Misc. Components		0			350			578			545			0
Q5892	Non-Standard Items		80			0			40			40			40
Q5893	Renovation Components		817			100			88			60			60
Q5052	Containers		2,050			615			517			37			0
Q5800	Integrated Logistics Support		978			224			340			340			340
Q5830	Production Engineering Support(PES)		2,796			1,282			1,082			1,147			1,324
Q5850	Product Improvement Program		4,326			1,378			1,068			1,301			1262
	IFF SUPPLEMENTAL														
Q5040	MK 66 Rocket Motor (HA07)	A	10,262												
Q5052	Containers		738												
TOTAL			100,782			26,618			34,019			35,159			15,575

CLASSIFICATION:

UNCLASSIFIED**BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)**

Weapon System

A. DATE

February 2005**B. APPROPRIATION/BUDGET ACTIVITY****PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1****C. P-1 ITEM NOMENCLATURE****AIRBORNE ROCKETS, ALL TYPES (BLI 015100)****SUBHEAD****J1Q5**

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
Q5040 MK 66 MOTORS (HA07)										
FY 04	19956	453.50	HUNTSVILLE	N/A	FFP	GENERAL DYNAMICS	May-04	Sep-06	YES	
FY 05	18448	460.75	HUNTSVILLE	N/A	FFP	GENERAL DYNAMICS	May-05	Nov-07	YES	
Q5041 MK 71 MOTORS (HA07)										
FY 04	2000	4,000.00	NAVAIR	N/A	PX	NSWC, IH	Apr-04	Apr-05	YES	
FY 05	3267	4,064.00	NAVAIR	N/A	PX	NSWC, IH	Apr-05	Apr-06	YES	
FY 06	3461	4,137.15	TBD	N/A	N/A	TBD	Apr-06	Apr-07	YES	
MK34 Smoke Warhead										
FY 04	3698	804.49	NAVAIR	N/A	PX	NSWC, IH	Apr-04	Apr-05	YES	
FY 05	0	817.36	NAVAIR	N/A	PX	NSWC, IH	Apr-05	Apr-06	YES	
FY 06	3200	832.07	NAVAIR	N/A	N/A	TBD	Apr-06	Apr-07	YES	
Adv. Precision Kill Weapon Sys										
FY 06	325	24,858.00	HUNTSVILLE	N/A	FFP	GENERAL DYNAMICS	Dec-05	May-07	NO	
FY 07	600	20,000.00	HUNTSVILLE	N/A	FFP	GENERAL DYNAMICS	Dec-06	May-08	NO	

D. REMARKS

Pricing is provided by the Army and incorporates other services' buys.

FY 2006/2007 DON BUDGET PRODUCTION SCHEDULE, P-21							DATE February 2005			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1					Weapon System		P-1 ITEM NOMENCLATURE AIRBORNE ROCKETS, ALL TYPES (BLI 015100)			
		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
MK 66 Rocket Motor (HA07)	GENERAL DYNAMICS	1	14	20		7	18	18	25	K
MK 71 Rocket Motor (H547)	NSWC, IH	1	8	15		6	12	19	18	K

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2004												FISCAL YEAR 2005												B A L	
						2003			CALENDAR YEAR 2004									CALENDAR YEAR 2005													
						O C T	N O V	D E C	J A N	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		
	03	N	64.0	0.0	64.0																										
MK66 Rkt Mtr/Gen Dyn	04	N	20.0	0.0	20.0							A																			
MK66 Rkt Mtr/Gen Dyn	05	N	18.4	0.0	18.4																										
MK71 Rkt Mtr/NSWC IH	03	N	3.5	0.0	3.5													1.8													
MK71 Rkt Mtr/NSWC IH	04	N	2.0	0.0	2.0							A																			
MK71 Rkt Mtr/NSWC IH	05	N	3.3	0.0	3.3																										
MK71 Rkt Mtr/NSWC IH	06	N	3.5	0.0	3.5																										

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2006												FISCAL YEAR 2007												B A L			
						2005			CALENDAR YEAR 2006												CALENDAR YEAR 2007												
						O C T	N O V	D E C	J A N	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				
MK66 Rkt Mtr/Gen Dyn	03	N	64.0	46.0	18.0	18.0																							0.0				
MK66 Rkt Mtr/Gen Dyn	04	N	20.0	0.0	20.0											19.5														0.5			
MK66 Rkt Mtr/Gen Dyn	05	N	18.4	0.0	18.4													1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5			
MK71 Rkt Mtr/NSWC IH	05	N	3.3	0.0	3.3							3.3																		0.0			
MK71 Rkt Mtr/NSWC IH	06	N	3.5	0.0	3.5							A										3.5								0.0			

Remarks:

[illegible]

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET						DATE: February 2005							
P-40													
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/ BA-1						P-1 ITEM NOMENCLATURE MACHINE GUN AMMUNITION BLI 015500							
Program Element for Code B Items:					Other Related Program Elements								
	Prior Years*	ID Code	FY 2004	FY 2005**	FY 2006	FY 2007	FY2008	FY 2009	FY 2010	FY 2011	To Complete	Total	
COST (In Millions)	\$98.9	A	\$17.8	\$32.5	\$23.7	\$16.2	\$24.6	\$24.8	\$25.4	\$25.9	Continuing	Continuing	
This line funds procurement of 20MM and 25MM ammunition used with various aircraft gun systems. 20MM ammunition includes procurements of PGU-27 and the Semi-Armor Piercing High Explosive Incendiary (SAPHEI) war fighting cartridge in both the bulk and linked configuration. The bulk (linkless) configured cartridges are used in the M61A1/A2 Gun Systems in the F/A-18 and F-14 Aircraft. The linked configured cartridges are used in the M197 gun AH-1 aircraft. All 20MM ammunition is procured by the Army's Single Manager for Conventional Ammunition (SMCA). Funds requested for the Product Improvement Program (PIP) are required for: (1) Raufoss Multi-Purpose Technology Study (RMATS). (2) Propellant studies to increase stability to eliminate increased pressure over time. *Reflects FY1995-FY2003 only. These programs were funded in FY94 and prior from the Weapons Procurement, Navy (WPN) and Other Procurement, Navy (OPN) accounts. ** FY05 Includes Congressional add of \$7.0M for 20MM-BULK HEI.													

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS							DATE: February 2005					
P-40a												
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE								
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA-1				MACHINE GUN AMMUNITION								
				BLI 015500								
Procurement Items	ID Code	Prior Years*	FY 2004	FY 2005	FY 2006	FY 2007					To Complete	Total
20MM BULK, TP												
Quantity	A	5,836,236	273,250	1,327,778	1,547,523	538,066					Continuing	Continuing
Funding		\$35,437	\$1,680	\$8,365	\$9,997	\$3,562						
20MM, BULK (LINKLESS), HEI												
Quantity	A	1,357,188	0	937,969	135,772	158,299					Continuing	Continuing
Funding		\$25,713	\$0	\$21,517	\$3,192	\$3,815						
20MM LINKED, TP,												
Quantity	A	1,214,654	271,800	0	0	529,856					Continuing	Continuing
Funding		\$10,409	\$2,777	\$0	\$0	\$5,892						
20MM, LINKED, HEI												
Quantity	A	187,300	427,800	0	283,458	0					Continuing	Continuing
Funding		\$4,464	\$10,859	\$0	\$7,557	\$0						
20MM, LINKED, HEI (OIF SUPPL)												
Quantity	A	55,300	0	0	0	0						
Funding		\$1,316	\$0	\$0	\$0	\$0						
20 MM LINKING EFFORT, TP, TPT												
Quantity	A	395,100	0	0	0	0						
Funding		\$756	\$0	\$0	\$0	\$0						
Other Costs		\$20,842	\$2,436	\$2,666	\$2,920	\$2,960					Continuing	Continuing
Total P-1 Funding		\$98,937	\$17,752	\$32,548	\$23,666	\$16,229						
*Reflects FY1995-FY2003 only. These programs were funded in FY94 and prior from the Weapons Procurement Navy (WPN) and Other Procurement Navy (OPN) accounts.												

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5							DATE: February 2005									
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA-1							P-1 ITEM NOMENCLATURE/SUBHEAD MACHINE GUN AMMUNITION BLI 015500									
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years*	FY 2001	FY2004			FY2005			FY 2006			FY2007		
			Total Cost	Unit Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
Q4010	20MM BULK, TP	A	35,437	6.68	273,250	6.15	1,680	1,327,778	6.30	8,365	1,547,523	6.46	9,997	538,066	6.62	3,562
Q4050	20MM, BULK, HEI	A	25,713	-				937,969	22.94	21,517	135,772	23.51	3,192	158,299	24.10	3,815
Q4060	20MM LINK, TP	A	10,409	8.62	271,800	10.22	2,777						0	529,856	11.12	5,892
TBD	20MM, LINK HEI	A	4,464	24.13	427,800	25.38	10,859				283,458	26.66	7,557			
TBD	20MM, LINK HEI (OIF SUPPL)	A	1,316	-												
Q4050	20MM Linking Effort, TP,TPT	A	756	-												
Q4800	Integrated Logistics Support		2,229				185			565			575			605
Q4830	**Prod. Engr. Sup.-Navy		13,298				1,720			1,571			1,782			1,789
Q4850	Product Improvement Program		5,260				531			530			563			566
Q4894	Gaging		55													
*Reflects FY95-FY03 only, these programs were funded in FY94 and prior from the Weapons Procurement, Navy (WPN) and Other Procurement, Navy (OPN) accounts.																
Pricing is provided by the Army and incorporates other services' buys.																
NOTE: Congressional funding received in FY-05 increased procurement quantities of 20MM-BULK HEI.																
	TOTAL		98,937				17,752			32,548			23,666			16,229

P-1 SHOPPING LIST

CLASSIFICATION:

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE February 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/ BA-1					C. P-1 ITEM NOMENCLATURE MACHINE GUN AMMUNITION BLI 015500					SUBHEAD J1Q4	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF YES WHEN AVAILABLE	
20MM BULK, TP FY04	273,250	6.15	ARMY IOC	N/A	FFP	GENERAL DYNAMICS	Jul-04	May-05	YES		
FY05	1,327,778	6.30	ARMY IOC	N/A	FFP	TBD	Apr-05	Oct-05	YES		
FY06	1,547,523	6.46	ARMY IOC	N/A	FFP	TBD	Apr-06	Oct-06	YES		
FY07	538,066	6.62	ARMY IOC	N/A	FFP	TBD	Apr-07	Oct-07	YES		
20MM, BULK, HEI FY05	937,969	22.94	ARMY IOC	N/A	FFP	TBD	Apr-05	Oct-05	YES		
FY06	135,772	23.51	ARMY IOC	N/A	FFP	TBD	Apr-06	Oct-06	YES		
FY07	158,299	24.10	ARMY IOC	N/A	FFP	TBD	Apr-07	Oct-07	YES		
20MM LINKED, TP FY02	273,090	9.43	ARMY IOC	N/A	FFP	GENERAL DYNAMICS	Sep-03	Jan-05	YES		
FY03	60,793	9.43	ARMY IOC	N/A	FFP	GENERAL DYNAMICS	Sep-03	Jan-05	YES		
FY04	271,800	10.22	ARMY IOC	FFP	TBD	Sep-04	Mar-05	YES			
FY07	529,856	11.12	ARMY IOC	N/A	FFP	TBD	Apr-07	Oct-07	YES		
20MM, LINKED, HEI FY04	427,800	25.38	ARMY IOC	N/A	FFP	TBD	Feb-04	Apr-04	YES		
D. REMARKS: Pricing is provided by the Army and incorporates other services' buys.											

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST

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ITEM NO. 4

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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST CLASSIFICATION:
311 / 244 ITEM NO. 4 PAGE 6

UNCLASSIFIED

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2005				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS								P-1 ITEM NOMENCLATURE PRACTICE BOMBS (J1Q1)(BLI 016000)				
Program Element for Code B Items: B.A.1 - Navy Ammunition								Other Related Program Elements				
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY2011	To Complete	Total
QUANTITY												
COST (In Millions)	\$351.3	A	\$46.6	\$53.4	\$56.6	\$49.9	\$61.0	\$62.2	\$63.6	\$64.9	CONT	CONT
Practice Bombs are a low cost alternative to expenditures of live bombs for training. The MK 76 simulates an unretarded MK 80 series bomb. It is a 25 lb. cast iron shape with a breach hole for a MK 4 or CXU-3 signal which provides a smoke signal or flash upon impact. The BDU-48 simulates retard bombs. It is a 10 lb. thin cased cylindrical bomb with a breach hole for a MK 4 or CXU-3 signal which provides a smoke signal or flash upon impact. The BDU-48 NTP and MK 83 Inert are full-sized Practice Bombs. They are MK 80 series bomb bodies filled with an inert material and have the same weight, size, center of gravity and ballistics of a live bomb. The BDU-45 uses a CXU-4 signal cartridge for spotting location and simulates a 500 lb General Purpose Bomb. These items are procured by the Army as a Single Manager for Conventional Ammunition. The BSU-86A/B fin at pilot option can extend four fin blades which decelerate bomb speed. This fin is utilized on the BDU-45. The Laser Guided Training Round (LGTR) is procured directly by the Navy. This round enhances the effective use of the PAVEWAY II Laser Guided Bombs (LGB) precision guided weapon which requires coordination between the aircrew and the laser designator. Development of delivery options and multi-aircraft tactics require extensive cost effective training. The Congressionally directed procurement of the Laser Guided Training Round (LGTR) is capable of replicating the kinematics of LGBs to provide increased basic training capability and follow-on advanced tactics development; and is suitable for launch from all Navy and Marine Corps aircraft used to deploy LGBs. LGTR provides actual hardware for aircrew and tactics development at a greatly reduced cost while maintaining LGB stockpiles. The LGTR production spike in FY05 was required to provide inventory sufficient to fill logistics pipeline. The Production Engineering Support and Integrated Logistics Support are continuing annualized efforts associated with ongoing procurements of the Practice Bombs associated Signal Cartridge, BDU-45/B, MK 76, LGTR, fins and other practice weapons. These efforts include maintenance of PDP (Procurement Data Packages), participation in post award conference, first article and quality assurance testing; ECP review/comments/recommendation, technical manual update, evaluation of engineering change proposal, and response to fleet inquiries. Miscellaneous Items line created for \$2M in FY02 through FY07 to include M70 series cables, Mk 89 Adapters, Arming Wires, Lugs, Nose Plugs, etc.												

P-1 SHOPPING LIST

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a										DATE: February 2005		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS							P-1 ITEM NOMENCLATURE PRACTICE BOMBS (J1Q1)(BLI 016000)					
Procurement Items	ID Code	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
MK 76 (E973)	A	--										
QTY			0	196,000	196,000	196,000						
FUNDING			\$0	\$5,996	\$6,098	\$6,205					Cont	Cont
MK 82 INERT (F237)	A	-										
QTY			14,891	5,000	7,000	11,500						
FUNDING			\$16,134	\$4,712	\$6,708	\$11,214					Cont	Cont
LGTR	A	--										
QTY			7,933	13,062	10,867	7,941						
FUNDING			\$17,908	\$28,836	\$24,590	\$18,418					Cont	Cont
MK 83 INERT (E511)	A	--										
QTY			4,000	4,000	6,813	3,630						
FUNDING			\$5,928	\$6,027	\$10,437	\$5,661					Cont	Cont
BDU-48(E962)	A	--										
QTY			20,000	20,000	20,000	20,000						
FUNDING			\$602	\$910	\$926	\$942					Cont	Cont
OTHER COSTS		--	\$3,937	\$4,889	\$5,810	\$5,431					Cont	Cont
Miscellaneous Items		--	\$2,065	\$2,000	\$2,000	\$2,000					Cont	Cont
TOTAL:		\$351,258	\$46,574	\$53,370	\$56,569	\$49,871					Cont	Cont

P-1 SHOPPING LIST

CLASSIFICATION:

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CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5									Weapon System				DATE: February 2005		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS B.A. 1 - Navy Ammunition									ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD PRACTICE BOMBS (J1Q1)(BLI 016000)					
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2004			FY 2005			FY 2006			FY 2007		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	<u>PROCUREMENTS</u>														
Q1010	MK 76 (E973)	A	--			0	196,000	30.59	5,996	196,000	31.11	6,098	196,000	31.66	6,205
Q1040	MK 82 INERT (F237)	A	-	14,891	1,083.44	16,134	5,000	942.42	4,712	7,000	958.31	6,708	11,500	975.11	11,214
Q1300	LASER GUIDED TRAINING ROUND*	A	--	7,933	2,019.74	17,908	13,062	2,207.62	28,836	10,867	2,262.81	24,590	7,941	2,319.38	18,418
Q1060	MK 83 INERT (E511)	A	--	4,000	1,481.92	5,928	4,000	1,506.75	6,027	6,813	1,531.90	10,437	3,630	1,559.62	5,661
Q1061	BDU-48(E962)	A	--	20,000	30.08	602	20,000	45.50	910	20,000	46.29	926	20,000	47.12	942
<u>PROCUREMENT SUPPORT AND OTHER</u>															
Q1800	ILS		--			400			400			400			400
Q1830	PES		--			2,947			3,889			4,810			4,431
Q1850	PIP		--			340			350			350			350
Q1894	GAGING		--			250			250			250			250
Q1TBA	MISCELLANEOUS ITEMS					2,065			2,000			2,000			2,000
			351,258			46,574			53,370			56,569			49,871

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE		
								February 2005		
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD	
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					PRACTICE BOMBS (BLI 016000)				J1Q1	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
<u>Q1010 MK 76 (E973)</u>										
FY 05	196,000	30.59	Rock Island, IL	Aug-04	C/FP	UNKNOWN	Apr 05	May-06	YES	
FY 06	196,000	31.11	Rock Island, IL	TBD	C/FP	UNKNOWN	Apr 06	May-07	YES	
FY 07	196,000	31.66	Rock Island, IL	TBD	C/FP	UNKNOWN	Apr 07	May-08	YES	
<u>Q1040 MK 82 INERT/ F237)</u>										
FY 04	14,891	1083.44	Rock Island, IL	Aug-04	SS/FP	MCALESTER, AAP	Feb-04	Jun-06	YES	
FY 06	7,000	958.31	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Feb-06	Jun-08	YES	
FY 07	11,500	975.11	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Feb-07	Jun-09	YES	
<u>Q1300 Laser Guided Training Round</u>										
FY 04**	7,933	2,019.74	NAVAIR	Aug-04	C/FP	LOCKHEED-MARTIN	Apr-04	Feb-05	YES	
FY 05	13,062	2,207.62	NAVAIR	Aug-05	C/FP	UNKNOWN	Apr-05	Feb-06	YES	
FY 06	10,867	2,262.81	NAVAIR	TBD	C./FP	UNKNOWN	Apr-06	Feb-07	YES	
FY 07	7,941	2,319.38	NAVAIR	TBD	C/FP	UNKNOWN	Apr-07	Feb-08	YES	
<u>Q1060 MK 83 Inert (E511)</u>										
FY 04	4,000	1,481.92	Rock Island, IL	Aug-03	SS/FP	MCALESTER, AAP	Jan 04	Jun 05	YES	
FY 05	4,000	1,506.75	Rock Island, IL	Aug-04	SS/FP	MCALESTER, AAP	Jan 05	Jun 06	YES	
FY 06	6,813	1,531.90	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Jan 06	Jan 07	YES	
FY 07	3,630	1,559.62	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Jan 07	Jan 08	YES	
<u>Q1061 BDU-48(E962)</u>										
FY 04	20,000	30.08	Rock Island, IL	Aug-03	C/FP	DELFASCO	Oct 04	Feb 05	YES	
FY 05	20,000	45.50	Rock Island, IL	Aug-04	C/FP	UNKNOWN	Jan 05	Feb 06	YES	
FY 06	20,000	46.29	Rock Island, IL	TBD	C/FP	UNKNOWN	Jan 06	Feb 07	YES	
FY 07	20,000	47.12	Rock Island, IL	TBD	C/FP	UNKNOWN	Jan 07	Feb 08	YES	
D. REMARKS										
**LGTR FY04 - \$1,885k included in total cost to buy steel and wooden containers.										

CLASSIFICATION: **UNCLASSIFIED**

FY 2004/05 BUDGET PRODUCTION SCHEDULE, P-21														DATE February 2005													
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS										Weapon System				P-1 Nomenclature PRACTICE BOMBS (J1Q1) (BLI 016000)													
						Production Rate				Procurement Leadtimes																	
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure													
MK 76	MCALESTER(OK)					120000	360000	1080000/ann.		7	14		21	TWIN/BULK(TH)													
MK 82 INERT	MCALESTER(OK)					54000	96000	192000/ann.		6	28		34	K													

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2004												FISCAL YEAR 2005												B A L	
						2003			CALENDAR YEAR 2004									CALENDAR YEAR 2005													
						O C T	N O V	D E C	J A N	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		
MK 76(E973) THOUSANDS		N																													
UNKNOWN	05		196.0	0	196.0																										196.0
UNKNOWN	06		196.0	0	196.0																										196.0
UNKNOWN	07		196.0	0	196.0																										196.0
MK82(F237) THOUSANDS		N																													
MCALESTER	04		14.9	0	14.9																										14.9
MCALESTER	06		7.0	0	7.0																										7.0
MCALESTER	07		11.5	0	11.5																										11.5

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2006												FISCAL YEAR 2007												B A L	
						2005			CALENDAR YEAR 2006									CALENDAR YEAR 2007													
						O C T	N O V	D E C	J A N	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		
MK 76(E973) THOUSANDS		N																													
UNKNOWN	05		196.0	0	196.0																										0.0
UNKNOWN	06		196.0	0	196.0																										0.0
UNKNOWN	07		196.0	0	196.0																										196.0
MK82 (F237) THOUSANDS																															
MCALESTER	04		14.9	0	14.9																										0.0
MCALESTER	06		7.0	0	7.0																										7.0
MCALESTER	07		11.5	0	11.5																										11.5

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

[illegible]

CLASSIFICATION: **UNCLASSIFIED**

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2005					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA-1							P-1 ITEM NOMENCLATURE BLI 018000 Cartridges and Cartridge Actuated Devices (CARTS/CADS)					
Program Element for Code B Items:							Other Related Program Elements					
	Prior * Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY												
COST (In Millions)	\$208.7	A	\$29.0	\$29.5	\$32.6	\$33.3	\$34.1	\$34.9	\$35.7	\$36.6	Cont	Cont
<u>Escape System/Life Support Devices</u> These items, such as safety/arming devices, sequence controls, shielded mild detonating cords, gas generators, initiators, thrusters, thermal batteries, etc, are used in aircraft emergency escape systems. The total number and type of devices installed varies with the type of aircraft, for example: F-14/A(273); F/A-18(136); S-3(105); EA-6B(45), T-45(76), T/AV-8(90) and AH-1(27). These explosives have finite service lives and are replaced during scheduled maintenance. An aircraft may be grounded if a single one of these items does not meet the standard. The devices age at the same rate whether the aircraft is operating in a war time or peace time environment, and thus the requirement is calendar driven. Life support devices such as the Sea Water Activated Release System FLU-12/P Deck Crew Life Vest Inflator, and the FLU-8B/P automatic life vest inflator are essential to crew survival after ejection or being thrown overboard. The budget request provides funding for the procurement of Naval Aircrew Common Ejection Seat (NACES) items, JAU-74/B initiators, BBU-57/A and BBU-64/ACutters (F-18 DIFRS) and other miscellaneous devices. <u>Weapons/Stores Release Cartridges</u> These items are used to release the weapons/stores from aircraft. The JAU-22 impulse cartridges are used to eject sonobuoys from aircraft. The budget request also provides for CCU-107 Impulse Cartridges and the JAU-22/B Initiator Cartridge. <u>Integrated Logistics Support</u> Integrated Logistics Support (ILS) efforts will provide ILS planning, maintenance standardization, supply support, other technical ILS production efforts. <u>Production Engineering Support</u> Production Engineering Support (PES) efforts include the development/review of procurement requests, monitoring of the production, disposition of waivers and deviations, and technical support for First Article Testing/Lot Acceptance Testing. <u>Product Improvement Programs</u> Product Improvement Programs (PIP) are conducted as part of a continuing effort to correct deficiencies in areas of safety, reliability, maintainability, producibility, and to increase the service life of CARTs and CADs. FY04 & FY05 includes \$3.4M Congressional Plus-up for FLU-12/P; Budget increase in FY06 and out is to cover the yearly FLU-12/P requirement and increased program cost required to support emerging V-22, F-18E/F, T-6A and JSF aircraft. Due to the retirements of the F-14, T-2, and S-3 aircraft, and the scale-up of the F-18E/F, T-6A, V-22 and JSF aircraft, a change in Cart/CAD requirements is occurring which causes the removal of the MJ91 as a budget line, combining of the SR95 requirement with the WB19 to form a F-18 DIFRS budget line, and the addition of a FLU-12/P and WB15 budget lines. *Prior to FY 95, this program was funded in the Other Procurement, Navy BA-5 appropriation.												

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CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a								DATE: February 2005				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA-1							P-1 ITEM NOMENCLATURE Cartridges and Cartridge Actuated Devices (CARTS/CADS)					
Procurement Items	ID Code	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
CCU-107 Init. Ctg. (MT95)	A											
QTY			72,206	180,000	180,000	180,000					Cont	Cont
Funding			\$469	\$945	\$1,004	\$1,022						
JAU-22/B Init. Ctg. (MF64)	A											
QTY			154,744	105,000	105,000	105,000					Cont	Cont
Funding			\$2,267	\$1,449	\$1,887	\$1,920						
Thermal Battery (CWDR)	A											
QTY			228	301	264	259					Cont	Cont
Funding			\$839	\$1,246	\$959	\$960						
BBU-57/A Cutter (SR95)	A											
QTY			139	78								
Funding			\$1,104	\$785								
FLU-12/P Inflator	A											
QTY			18,000	21,000	15,000	15,000					Cont	Cont
Funding			\$2,894	\$3,003	\$2,022	\$2,062						
JAU-74 Initiator (WB15)	A											
QTY					988	601					Cont	Cont
Funding					\$1,848	\$1,166						
F-18 DIFRS (MJ91/WB19)	A				\$926	\$1,192					Cont	Cont
Navy Aircrew Common Ejection Seat	A		\$1,818	\$2,269	\$2,360	\$2,269					Cont	Cont
*Misc Devices			\$11,467	\$12,235	\$14,146	\$14,889					Cont	Cont
Other Support			\$8,158	\$7,536	\$7,434	\$7,865					Cont	Cont
TOTAL		\$208,726	\$29,016	\$29,468	\$32,586	\$33,345						

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CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System							DATE: February 2005		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA-1						ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD BLI 018000 Cartridges and Cartridge Actuated Devices (CARTS/CADS)								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2004		FY 2005			FY 2006			FY 2007			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	<u>STORES RELEASE</u>														
Q8200	CCU-107 Imp Ctg (MT95)	A		72,206	6.50	469	180,000	5.25	945	180,000	5.58	1,004	180,000	5.68	1,022
Q8090	JAU-22/B Init. Ctg. (MF64)	A		154,744	14.65	2,267	105,000	13.80	1,449	105,000	17.97	1,887	105,000	18.29	1,920
	<u>SAFETY</u>														
Q8060	Thermal Battery (CWDR)	A		142	4,009.90	569	301	4,138.16	1,246	132	4,021.59	531	130	4,098.45	533
Q8060	Thermal Battery (CWDR) - Green	A		86	3,134.00	270				132	3,240.00	428	129	3,310.00	427
Q8080	BBU-57/A Cutter (SR95)	A		139	7,940.80	1,104	78	10,070.51	785						
Q8140	FLU-12/P Inflator (JL09)	A		18,000	160.77	2,894	21000	143.00	3,003	15,000	134.78	2,022	15000	137.44	2,062
Q8160	JAU-74 Cartridge Actuated Initiator (WB15)	A								988	1,870.95	1,848	601	1,939.77	1,166
Q8180	F-18 DIFRS (SR95/WB19)	A										926			1,192
Q8300	Navy Aircrew Common Ejection Seat	A				1,818			2,269			2,360			2,269
Q8600	Miscellaneous Devices Under \$500K					11,467			12,235			14,146			14,889
Q8800	Integrated Logistics Support (ILS)					629			669			697			769
Q8830	Production Engineering Support (PES)					2,691			3,204			2,991			3,093
Q8840	Quality Assurance (QA)					437			455			495			537
Q8850	Product Improvement Program (PIP)					2,730			1,396			1,280			1,369
Q8860	Acceptance Testing					1,671			1,812			1,971			2,097
TOTAL			208,726			29,016			29,468			32,586			33,345

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CLASSIFICATION:

UNCLASSIFIED**BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)**

Weapon System

A. DATE

February 2005

B. APPROPRIATION/BUDGET ACTIVITY

PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA-1

C. P-1 ITEM NOMENCLATURE

BLI 018000

Cartridges and Cartridge Actuated Devices (CARTS/CADS)

SUBHEAD

J1Q8

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
<u>STORES RELEASE</u>										
Q8200 CCU-107 Imp Ctg (MT95) FY 04	72,206	6.50	NAVICP	Oct-03	C/FP	Technical Ordnance Inc. St. Bonifacius, MN	Apr-04	Apr-05	YES	
FY05	180,000	5.25	NAVICP	Sep-04	C/FP	Technical Ordnance Inc. St. Bonifacius, MN	Nov-04	Jun-05	YES	
FY 06	180,000	5.58	NAVICP	Oct-05	C/FP	UNKNOWN	Apr-06	Apr-07	YES	
FY 07	180,000	5.68	NAVICP	Oct-06	C/FP	UNKNOWN	Apr-07	Apr-08	YES	
Q8090 JAU-22/B Init. Ctg (MF64) FY04	154,744	14.65	NAVICP	Oct-03	C/FP	AMTEC Corp. Janesville, WI	Dec-03	Oct-04	YES	
FY05	105,000	13.80	NAVICP	Sep-04	C/FP	Special Devices Moorpark, CA	Oct-04	Nov-05	YES	
FY06	105,000	17.97	NAVICP	Oct-05	C/FP	UNKNOWN	Apr-06	Apr-07	YES	
FY07	105,000	18.29	NAVICP	Oct-06	C/FP	UNKNOWN	Apr-07	Apr-08	YES	

D. REMARKS

P-1 SHOPPING LIST

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE February 2005		
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA-1					C. P-1 ITEM NOMENCLATURE BLI 018000 Cartridge & Cartridge Actuated Devices (CARTS/CADS)				SUBHEAD J1Q8	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
<u>SAFETY</u>										
Q8060 Thermal Battery (CWDR) FY 04	142	4,009.90	NAVAIR	Oct-03	SS/FP	Martin-Baker Aircraft Company	Dec-01	Apr-05	YES	
	86	3,134.00	NAVICP	Apr-04	SS/FP	Eagle-Picher Joplin, MO	Aug-04	Apr-05	YES	
FY 05	301	4,138.16	NAVAIR	Oct-04	SS/FP	Martin-Baker Aircraft Company	Apr-05	Apr-06	YES	
FY 06	132	4,021.59	NAVAIR	Oct-05	SS/FP	Martin-Baker Aircraft Company	Apr-06	Apr-07	YES	
	132	3,240.00	NAVICP	Oct-05	SS/FP	Eagle-Picher	Apr-06	Apr-07	YES	
FY 07	130	4,098.45	NAVAIR	Oct-06	SS/FP	Martin-Baker Aircraft Company	Apr-07	Apr-08	YES	
	129	3,310.00	NAVICP	Oct-06	SS/FP	Eagle-Picher	Apr-07	Apr-08	YES	
Q8080 BBU-57/A Cutter (SR95) FY 04	139	7,940.80	NAVICP	N/A	SS/FP	Northrop-Grumman Corp. El Segundo, CA	Apr-04	Apr-05	YES	
FY 05	78	10,070.51	NAVICP	Oct-04	SS/FP	Northrop-Grumman Corp. El Segundo, CA	Apr-05	Apr-06	YES	
Q8140 FLU-12/P Inflator (JL09) FY 04	18,000	160.77	NAVICP	Oct-03	SS/FP	CONAX Florida St Petersburg, FL	Feb-04	Apr-05	YES	
FY 05	21,000	143.00	NAVICP	Oct-04	SS/FP	CONAX Florida St Petersburg, FL	Feb-05	Apr-06	YES	
FY06	15,000	134.78	NAVICP	Oct-05	SS/FP	CONAX Florida	Apr-06	Apr-07	YES	
FY07	15,000	137.44	NAVICP	Oct-06	SS/FP	CONAX Florida	Apr-07	Apr-08	YES	
Q8160 JAU-74/A Initiator (WB15) FY06	988	1,870.95	NAVICP	Oct-05	SS/FP	Martin-Baker Aircraft Company	Apr-06	Apr-07	YES	
FY 07	601	1,939.77	NAVICP	Oct-06	SS/FP	Martin-Baker Aircraft Company	Apr-07	Apr-08	YES	
D. REMARKS										
1. FY04 procurement of 86 units is the LIRP Lot of the "Green" configuration of the device. In FY06 the requirement will be evenly split between the two configurations to maintain industrial capabilities.										
2. The BBU-57/A Cutter is the DIFRS for the F-18C/D model aircraft. Its requirement is combined with the BBU-64 cutter (F-18E/F A/C) to form the F-18 DIFRS budget line beginning in FY06.										
3. FY 04/05 FLU-12/P requirement was executed utilizing Congressional plus-up dollars. The FLU-12/P is added to the CART/CAD budget beginning in FY06										
4. Prior to FY06 the JAU-74/A was executed under the Miscellaneous Devices budget line.										

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2005					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/ BA-1							P-1 ITEM NOMENCLATURE BLI 018100 Aircraft Escape Rockets/Catapults					
Program Element for Code B Items:							Other Related Program Elements					
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Total	Total
QUANTITY												
COST												
(In Millions)	\$85.6	A	\$10.4	\$10.7	\$10.9	\$11.1	\$11.4	\$11.7	\$12.0	\$12.3	Cont	Cont
This program provides funding for rocket motors, rocket catapults and catapults used to eject aircrewmembers from disabled aircraft. The program is structured to meet replacement requirements that are based on aircraft inventories and the escape rocket/catapults service lives. The devices age at the same rate whether operating in a war or peace-time environment, and thus the requirement is calendar driven. An aircraft containing a single escape rocket/catapult not up to man-rated standards is grounded for safety-of-flight. Spare inventories are limited to the lowest level that can be maintained without causing aircraft grounding due to shortfalls. Devices are also used to function aircraft emergency safety systems. The FY 2006 and 2007 budget request provides continued funding for the procurement of MK 122 parachute deployment rocket motors, MK 123/124 underseat rocket motors, various miscellaneous devices, Product Improvement Programs (PIP), and associated production engineering and integrated logistics support. PES: Production Engineering Support efforts include the development/review of procurement requests, monitoring of the production, disposition of waivers and deviations, and technical support for First Article Testing/Lot Acceptance Testing. ILS: Integrated Logistics Support efforts will provide ILS planning, maintenance standardization, supply support, other technical ILS production efforts. PIP: Multi-year Product Improvement Programs consists of programs to ensure producibility and safety for the MK 122 PDRM, MK123, MK 124, MK 100, MK 101, MK 86, MK 87, MK 88 USRMs (KU propellant and lead free double base); MK 16 ROCAT; MK 83, MK 85, MK 121 TDRMS; and MK 79, MK 109, MK 113, MK 205 Rocket Motors.												

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DATE:

February 2005

P-1 ITEM NOMENCLATURE

PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/ BA-1

Aircraft Escape Rockets/Catapults

[illegible]

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System							DATE: February 2005						
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/ BA-1						ID Code A	P-1 ITEM NOMENCLATURE/SUBHEAD Aircraft Escape Rockets/Catapults										BLI 018100		
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS																
			Prior Years	FY 2004			FY 2005			FY 2006			FY 2007						
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost				
	SAFETY																		
Q9070	MK122 Parachute Deploy Rkt Motor (MT29)	A		159	2,900.00	461	204	3,059.31	624	233	3,117.60	726	233	3,176.82	740				
Q9080	MK123 Underseat Rkt Motor (MT30)	A		10	8,313.31	83	38	8,935.00	340	47	8,997.00	423	47	9,069.00	426				
Q9081	MK124 Underseat Rkt Motor(MT31)	A		50	8,313.31	416	50	8,935.00	447	97	8,997.00	873	97	9,069.00	880				
Q9130	Miscellaneous Devices Under \$500K					4,609			4,538			3,879			4,000				
Q9820	Reliability Life					675			690			699			707				
Q9800	Integrated Logistics Support (ILS)					450			469			496			507				
Q9830	Production Engineering Support (PES)					1,312			1,341			1,396			1,419				
Q9850	Product Improvement Program (PIP)					1,598			1,337			1,361			1,379				
Q9860	Acceptance Test					792			907			1,007			1,061				
TOTAL			85,610			10,396			10,693			10,860			11,119				

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P-1 SHOPPING LIST

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE		February 2005	
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD	
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/ BA-1					Aircraft Escape Rockets/Catapults				J1Q9	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
<u>Q9070 MK 122 Parachute Deployment Rkt Mtr (MT29)</u>										
FY 04	159	2,900.00	NAVICP	Oct-03	C/FP	BF Goodrich, Phoenix, AZ	MAY 04	APR 05	YES	
FY 05	204	3,059.31	NAVICP	TBD	C/FP	UNKNOWN	APR 05	APR 06	YES	
FY 06	233	3,117.60	NAVICP	TBD	C/FP	UNKNOWN	APR 06	APR 07	YES	
FY07	233	3,176.82	NAVICP	TBD	C/FP	UNKNOWN	APR 07	APR 08	YES	
<u>Q9080 MK 123 Underseat Rkt Mtr (MT30)</u>										
FY 04	10	8,313.31	NAVICP	Oct-03	C/FP	Martin-Baker Aircraft, England	MAY 04	APR 05	YES	
FY 05	38	8,935.00	NAVICP	TBD	C/FP	UNKNOWN	APR 05	APR 06	YES	
FY 06	47	8,997.00	NAVICP	TBD	C/FP	UNKNOWN	APR 06	APR 07	YES	
FY 07	47	9,069.00	NAVICP	TBD	C/FP	UNKNOWN	APR 07	APR 08	YES	
<u>Q9081 MK 124 Underseat Rkt Mtr (MT31)</u>										
FY 04	50	8,313.31	NAVICP	Oct-03	C/FP	Martin-Baker Aircraft, England	MAY 04	APR 05	YES	
FY 05	50	8,935.00	NAVICP	TBD	C/FP	UNKNOWN	APR 05	APR 06	YES	
FY 06	97	8,997.00	NAVICP	TBD	C/FP	UNKNOWN	APR 06	APR 07	YES	
FY 07	97	9,069.00	NAVICP	TBD	C/FP	UNKNOWN	APR 07	APR 08	YES	
D. REMARKS										
FY04 is the first fiscal year where the KU propellant contained within the devices was procured from Nobel Enterprises. Previously the propellant was procured from Royal Ordnance (has since gotten out of the KU propellant business). Indications from Nobel Enterprises is that we can expect an increase in the propellant cost, thus the significant projected increase in cost for the MK 122/123/124s in FY05 over FY04.										

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BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2005					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA-1 Navy Ammunition							P-1 ITEM NOMENCLATURE (BLI 018200) AIRBORNE EXPENDABLE C/M PROGRAM (S/H Y1QA)					
Program Element for Code B Items: RDT&E 0604270N							Other Related Program Elements					
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY												
COST (In Millions)	\$279.3		\$52.4	\$48.5	\$70.2	\$72.9	\$77.3	\$78.8	\$80.2	\$81.8	CONT	CONT
The Airborne Expendable Countermeasures (AECM) line provides funding for procurement of countermeasure self-protection devices for all Navy and Marine Corps tactical, rotary and other fixed-wing aircraft. The AECM Program is divided into the following threat related categories: (a) air-launched chaff, (b) Radio Frequency (RF) Active Jammers, (c) infrared (IR) decoys, (d) associated impulse cartridges, and (e) support costs. Procurement of 1x1 countermeasures in support of the C-130J began in FY 2001. These items are RR170A, operational chaff; RR188, training chaff, M206, magnesium fueled flare; MJU-50, pyrophoric decoy device and BBU35 impulse cartridge. Chaff Countermeasures: Procurement of RR-129A operational round and RR-144A training rounds began in FY 2000 in support of all airframes except the USMC KC-130J which uses the 1x1 RR170A operational round and RR188 training round. Procurement of the training rounds are necessary because they do not interfere with Federal Aviation Administration (FAA) radars. Active Jammers: The Advanced Airborne Expendable Decoy (AAED), part of the ALE-50 program, enters the final year of production during FY2006. The Fiber Optic Towed Decoy (FOTD) is part of the Integrated Defensive Electronic Countermeasure (IDECM) Radio Frequency Countermeasure (RFCM) program and is scheduled to replace the AAED. AAED and FOTD were developed under PE 0604270N RDT&E, Project E2175. IR Decoys: The MJU-49 is currently used by all aircraft. The SM875 is a dedicated, low cost training device. Procurement of the ALE-39 advanced six-inch solution set (kinematic MJU57) and companion (MJU55) of expendables began in FY 2003. Impulse Cartridges: Used to propel the self-protection devices away from the aircraft. Support costs: Provide for required Production Engineering (PE), Product Improvement (PIP), Quality Assurance (QA), Acceptance Test and Evaluation (AT&E), and Integrated Logistic Support (ILS) by NAVAIR engineering/cognizant field activities. Title IX funding: \$10M FY04 Supplemental Funds (PANMC 1741548/Y1AC) were added to the AECM Program to procure unique 1x1x8" infrared countermeasures in support of USMC KC130J aircraft. Marinized MJU61 magnesium fueled IRCM; Marinized MJU64 pyrophoric decoy device, BBU35 impulse cartridges and HERO safe CCU145A impulse cartridges will be procured during FY05 in support of this requirement. An estimated \$66K will be used to provide support.												

CLASSIFICATION:

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WEAPONS SYSTEM COST ANALYSIS P-5							Weapon System						DATE: February 2005			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA-1 Navy Ammunition							ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD BLI (018200) AIRBORNE EXPENDABLE C/M PROGRAM (S/H Y1QA)								
COST CODE	ELEMENT OF COST (BLI 018200)	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years*	FY 2004			FY 2005			FY 2006			FY 2007			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
QA110	<u>ACTIVE JAMMERS</u> AAED (ALE-50)	A	27,992	311	20,666.00	6,427	400	22,450.00	8,980							
QA120	FOTD / IDECM	B	6,937							340	51,000.00	17,340	375	50,600.00	18,975	
QA140	<u>IR DECOYS</u> MJU-32/B ROTARY WING DECOY	A	16,403	28,490	38.76	1,104	39,039	29.10	1,136	48,061	30.28	1,455	29,335	30.89	906	
QA150	MJU-38/B TACAIR DECOY	A	14,511							13,130	33.00	433	2,000	33.50	67	
QA150	MJU-38/B TACAIR DECOY (IFF)	A	1,257													
QA190	MJU-49/B DECOY DEVICE	A	24,002	46,900	115.39	5,412	90,000	134.83	12,135	106,850	137.53	14,695	106,634	140.28	14,959	
QA190	MJU-49/B DECOY DEVICE (IFF)	A	1,674													
QA260	SM875B (TRAINING FLARE)	A	6,220	52,978	14.44	765	147,000	14.24	2,093	200,000	12.50	2,500	200,000	12.50	2,500	
QA210	MJU-50 (1X1 Pyrophoric)	A	1,205							43,000	68.00	2,924	43,000	68.00	2,924	
QA200	MJU-52 BOL IR	A	14,242													
QA225	MJU-55 Companion	A		19,631	159.98	3,141				37,000	121.90	4,510	42,000	123.12	5,171	
QA230	MJU-57 Kinematic	A	910	15,000	314.93	4,724	25,000	284.08	7,102	37,000	182.30	6,745	42,000	184.13	7,733	
	MJU-61 (Title IX)	A		54,000	30.00	1,620										
	MJU-64 (Title IX)	A		56,000	135.00	7,560										
QA235	M206 (1X1) Magnesium	A	343							40,000	23.50	940	40,000	24.00	960	
QA090	<u>IMPULSE CARTRIDGES</u> CCU-136A/A (HERO SAFE)	A	11,721	1,096,000	4.45	4,876	995,520	4.54	4,520	818,750	3.99	3,267	818,750	4.03	3,300	
QA090	CCU-136A/A (HERO SAFE) (IFF)	A	339													
QA100	CCU-144A	A														
QA115	CCU-145A (Title IX in FY04)	A		60,000	10.00	600				83,000	5.00	415	83,000	5.00	415	
PAGE TOTAL			127,756			36,229			35,966			55,224			57,910	

* FY95 through FY03 only

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WEAPONS SYSTEM COST ANALYSIS P-5							Weapon System						DATE: February 2005			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA-1 Navy Ammunition							ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD BLI (018200) AIRBORNE EXPENDABLE C/M PROGRAM (S/H Y1QA)								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years*	FY 2004			FY 2005			FY 2006			FY 2007			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
QA060	<u>IMPULSE CARTRIDGES CONT'D</u> BBU-35 (Title IX)	A	250	42,000	3.67	154										
QA010	<u>CHAFF COUNTERMEASURES</u> RR-129A CHAFF CM	A	12,291	198,720	7.99	1,588				253,440	7.99	2,025	299,520	8.07	2,417	
QA010	RR-129A CHAFF CM (IFF)	A	570													
QA020	RR-144A TRNG CHAFF	A	3,279	98,315	8.31	817				76,800	8.20	630	76,800	8.20	630	
QA030	RR-170A CHAFF 1X1	A	73													
N/A	VARIOUS (1)		38,344													
QA830	<u>SUPPORT COSTS</u> PRODUCTION ENGINEERING		28,674			3,797			3,699			3,849			3,849	
QA830	PRODUCTION ENG (Title IX)					66										
QA850	PRODUCT IMPROVEMENT		40,083			5,489			2,755			2,575			2,600	
QA860	ACCEPTANCE TEST & EVALUATION		24,385			3,475			5,347			5,152			4,811	
QA800	ILS		3,638			747			719			719			719	
P5 GRAND TOTAL			279,343			52,362			48,486			70,174			72,936	

* FY95 through FY03 only

(1) The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 2002 and beyond.

P-1 SHOPPING LIST
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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			DATE February 2005		
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA-1 Navy Ammunition					C. P-1 ITEM NOMENCLATURE (BLI 018200) AIRBORNE EXPENDABLE C/M PROGRAM				SUBHEAD Y1QA	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
<u>ACTIVE JAMMERS</u>										
AAED (ALE-50)										
(DWCL) FY 04	311	20,666.00	Robins AFB, GA	N/A	SS/Option	Raytheon, Goleta, CA	Apr-04	Jul-05	YES	
(DWCL) FY 05	400	22,450.00	Robins AFB, GA	Jan-05	SS/FP	Raytheon, Goleta, CA	Mar-05	Aug-06	YES	
FOTD/IDECM (DWDQ) FY 06	340	51,000.00	NAVAIR	Jan-04	SS/FP	BAE, Nashua, NH	Jun-06	Dec-07	NO	
(DWDQ) FY 07	375	50,600.00	NAVAIR	Jan-05	SS/FP	BAE, Nashua, NH	Jun-07	May-08	NO	
<u>INFRARED DECOYS</u>										
MJU-32/B ROTARY WING DECOY										
(LA01) FY 04	28,490	38.76	NICP Mechanicsburg	Dec-03	C/FP	Coachella, CA Kilgore, Toone, TN	Jun-04	Dec-04	YES	
(LA01) FY 05	39,039	29.10	NICP Mechanicsburg	Dec-04	C/FP	Kilgore, Toone, TN	Nov-04	Dec-05	YES	
(LA01) FY 06	48,061	30.28	NICP Mechanicsburg	Dec-05	C/FP	TBD	Jun-06	Dec-06	YES	
(LA01) FY 07	29,335	30.89	NICP Mechanicsburg	Dec-06	C/FP	TBD	Jun-07	Dec-07	YES	
MJU-38/B TACAIR DECOY										
(LA02) FY 06	13,130	33.00	NICP Mechanicsburg	Dec-05	C/FP	Milan, TN TBD	Jun-06	Dec-06	YES	
(LA02) FY 07	2,000	33.50	NICP Mechanicsburg	Dec-06	C/FP	TBD	Jun-07	Dec-07	YES	
D. REMARKS										

CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		DATE		
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA-1 Navy Ammunition						C. P-1 ITEM NOMENCLATURE AIRBORNE EXPENDABLE C/M PROGRAM (BLI 018200)			SUBHEAD Y1QA	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
INFRARED DECOYS (CONT'D)										
MJU-49/B DECOY DEVICE (DWC1) FY 04	46,900	115.39	NSWC Crane, IN	Dec-03	SS/FP	Alloy, Chester Township, PA	May-04	Dec-04	YES	
(DWC1) FY 05	90,000	134.83	NSWC Crane, IN	Dec-04	SS/FP	Alloy, Chester Township, PA	May-05	Nov-05	YES	
(DWC1) FY 06	106,850	137.53	NICP Mechanicsburg, PA	Dec-05	SS/FP	Alloy, Chester Township, PA	Feb-06	Mar-06	YES	
(DWC1) FY 07	106,634	140.28	NICP Mechanicsburg, PA	Oct-06	SS/FP	Alloy, Chester Township, PA	Dec-06	Jan-07	YES	
SM875B TRNG FLARE (LA40) FY 04	52,978	14.44	NICP Mechanicsburg, PA	Mar-04	C/FP	Kilgore, TN	Jul-04	Nov-04	YES	
(LA40) FY 05	147,000	14.24	NICP Mechanicsburg, PA	Dec-04	C/FP	TBD	May-05	Nov-05	YES	
(LA40) FY 06	200,000	12.50	NICP Mechanicsburg, PA	Jan-06	C/FP	TBD	May-06	Nov-06	YES	
(LA40) FY 07	200,000	12.50	NICP Mechanicsburg, PA	Jan-07	C/FP	TBD	May-07	Nov-07	YES	
MJU-50 (1X1) (LA19) FY 06	43,000	68.00	NICP Mechanicsburg, PA	Jan-06	SS/FP	Alloy, Chester Township, PA	May-06	Nov-06	YES	
(LA19) FY 07	43,000	68.00	NICP Mechanicsburg, PA	Jan-07	SS/FP	Alloy, Chester Township, PA	May-07	Nov-07	YES	
MJU-55 Companion (LA35) FY 04	19,631	159.98	NSWC Crane, IN	Dec-03	C/FP	NSWC Crane/Crane Army, IN	Jan-04	Jan-05	YES	
(LA35) FY 06	37,000	121.90	NICP Mechanicsburg, PA	Jan-06	C/FP	TBD	Apr-06	Jan-07	YES	
(LA35) FY 07	42,000	123.12	NICP Mechanicsburg, PA	Jan-07	C/FP	TBD	May-07	Dec-07	YES	
D. REMARKS * ASTERISK DENOTES IRAQI FREEDOM FUNDS (IFF)										

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)							Weapon System		DATE		
B. APPROPRIATION/BUDGET ACTIVITY						C. P-1 ITEM NOMENCLATURE				SUBHEAD	
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS						(BLI 018200)				February 2005	
BA-1 Navy Ammunition						AIRBORNE EXPENDABLE C/M PROGRAM				Y1QA	
Cost Element/ FISCAL YEAR		QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
INFRARED DECOYS (CONT'D)											
MJU-57 Kinematic											
(LA38)	FY 04	15,000	314.93	NSWC Crane, IN	Dec-03	C/FP	NSWC Crane/Crane Army, IN	Jan-04	Jul-04	YES	
(LA38)	FY 05	25,000	284.08	NICP Mechanicsburg, PA	Dec-04	C/FP	NSWC Crane/Crane Army, IN	Nov-05	Aug-05	YES	
(LA38)	FY 06	37,000	182.30	NICP Mechanicsburg, PA	Jan-06	C/FP	TBD	May-06	Aug-06	YES	
(LA38)	FY 07	42,000	184.13	NICP Mechanicsburg, PA	Jan-07	C/FP	TBD	May-07	Dec-07	YES	
MJU-61 Mag/Tef	(LA42)**	FY04	54,000	30.00	NICP Mechanicsburg, PA	Jan-05	C/FP	TBD	Apr-05	Sep-05	YES
MJU-64	(LA43)**	FY04	56,000	135.00	NICP Mechanicsburg, PA	Jan-05	SS/FP	Alloy, Chester Township, PA	Jan-05	Feb-05	YES
M206	(L410)	FY 06	40,000	23.50	IOC Rock Island, IL	Jan-06	C/FP	TBD	May-06	Aug-06	YES
	(L410)	FY 07	40,000	24.00	IOC Rock Island, IL	Jan-07	C/FP	TBD	May-07	Aug-07	YES
IMPULSE CARTRIDGES											
CCU-136A/A (HERO SAFE)											
(WA83)	FY 04	1,096,000	4.45	NICP Mechanicsburg	Dec-03	C/FP	CAPCO, Grand Junction,CO	Jun-04	Sep-04	YES	
(WA83)	FY 05	995,520	4.54	NICP Mechanicsburg	Dec-04	C/FP	Hanley Industries, Alton, IL	Jun-05	Sep-05	YES	
(WA83)	FY 06	818,750	3.99	NICP Mechanicsburg	Dec-05	C/FP	TBD	May-06	Sep-06	YES	
(WA83)	FY 07	818,750	4.03	NICP Mechanicsburg	Dec-06	C/FP	TBD	May-07	Sep-07	YES	
CCU-145A (HERO SAFE)											
(WB24)**	FY 04	60,000	10.00	NICP Mechanicsburg	Apr-05	C/FP	Tech Ordnance, St. Boniface, MN	May-05	Nov-05	YES	
(WB24)	FY 06	83,000	5.00	NICP Mechanicsburg	Jan-06	C/FP	TBD	May-06	Oct-06	YES	
(WB24)	FY 07	83,000	5.00	NICP Mechanicsburg	Jan-07	C/FP	TBD	May-07	Oct-07	YES	
BBU-35											
(MG62)**	FY04	42,000	3.67	NICP Mechanicsburg	Oct-04	C/FP	Tech Ordnance, St. Boniface, MN	Oct-04	May-05	YES	
D. REMARKS											
** DOUBLE ASTERISK DENOTES TITLE IX FUNDS (FY04)											

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System			DATE	
B. APPROPRIATION/BUDGET ACTIVITY						C. P-1 ITEM NOMENCLATURE			February 2005	
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS						(BLI 018200)			SUBHEAD	
BA-1 Navy Ammunition						AIRBORNE EXPENDABLE C/M PROGRAM			Y1QA	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
CHAFF COUNTERMEASURES										
RR-129A CHAFF CM										
(DWCF) FY 04	198,720	7.99	NICP Mechanicsburg	Jan-04	C/FP	ARMTEC Defense Prod Co Coachella, CA	Oct-03	Dec-04	YES	
(DWCF) FY 06	253,440	7.99	NICP Mechanicsburg	Jan-06	C/FP	ARMTEC Defense Prod Co Coachella, CA	Apr-06	Dec-06	YES	
(DWCF) FY 07	299,520	8.07	NICP Mechanicsburg	Jan-07	C/FP	ARMTEC Defense Prod Co Coachella, CA	Apr-07	Dec-07	YES	
RR-144A TRNG CHAFF										
(DWCB) FY 04	98,315	8.31	NICP Mechanicsburg	Jan-04	C/FP	ARMTEC Defense Prod Co Coachella, CA	May-04	Dec-04	YES	
(DWCB) FY 06	76,800	8.20	NICP Mechanicsburg	Jan-06	C/FP	ARMTEC Defense Prod Co Coachella, CA	May-06	Dec-06	YES	
(DWCB) FY 07	76,800	8.20	NICP Mechanicsburg	Jan-07	C/FP	ARMTEC Defense Prod Co Coachella, CA	May-07	Dec-07	YES	
D. REMARKS										

FY 2004 BUDGET PRODUCTION SCHEDULE, P-21																	February 2005																						
APPROPRIATION/BUDGET ACTIVITY											Weapon System			P-1 ITEM NOMENCLATURE (BLI 018200)																									
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA-1 Navy Ammunition											AIRBORNE EXPENDABLE C/M PROGRAM (S/H Y1QA)																												
						Production Rate			Procurement Leadtimes																														
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1			ALT After Oct 1			Initial Mfg PLT			Reorder Mfg PLT			Total	Unit of Measure																	
AAED (ALE-50)	Raytheon, Goleta, Ca					25	140	300				5						17			22	E																	
FOTD/IDECM	TBD					TBD	TBD	TBD				5						17			22	E																	
MJU-49/B	Alloy, Chester Township, PA					1.02	5.76	11.52				8						6			14	K																	
MJU-57	Crane Army Ammun. Activ.					TBD	TBD	TBD				7						9			16	K																	
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2004																FISCAL YEAR 2005																B A L
							2003			CALENDAR YEAR 2004													CALENDAR YEAR 2005																
							O C T	N O V	D E C	J A N	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									
AAED ALE-50 (RAYTHEON)	03			300		300											40	40	40	50	50	50	27	3								0.0							
AAED ALE-50 (RAYTHEON)	04			311		311						A																40	40	40	191.0								
AAED ALE-50 (RAYTHEON)	05			400		400																			A							400.0							
MJU-49/B (ALLOY)*	03			47.0		47.0											A	3.8	3.8	3.8	10.0	12.0	12.0	1.6								0.0							
MJU-49/B (ALLOY)	04			46.9		46.9						A									2.0	2.0	12.4	14.0	14.0	2.5						0.0							
MJU-49/B (ALLOY)	05			90.0		90.0																					A					90.0							
MJU-57 (CAAA)	04			15.0		15.0				A							5.7	5.7	3.6													0.0							
MJU-57 (TBD)	05			25.0		25.0														A										3.0	3.0	19.0							
MJU-64 (TBD) **	04			56.0		56.0																A	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	16.0						
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2006																FISCAL YEAR 2007																B A L
							2005			CALENDAR YEAR 2006													CALENDAR YEAR 2007																
							O C T	N O V	D E C	J A N	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									
AAED ALE-50 (RAYTHEON)	04			311	120	191	40	40	40	40	31																						0.0						
AAED ALE-50 (RAYTHEON)	05			400		400											50	50		50	50	50	50	50	50								0.0						
FOTD/IDECM	06	</																																					

Exhibit P-21 Production Schedule

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2005				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS, BA-1			P-1 ITEM NOMENCLATURE JATO (JET ASSISTED TAKE OFF) BLI 019400									
Program Element for Code B Items:			Other Related Program Elements									
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY												
COST (In Millions)	\$37.5	A	\$4.4	\$4.5	\$4.6	\$4.7	\$4.8	\$4.8	\$4.9	\$5.0	Continuing	Continuning
Description: The JATOs currently in production are the MK 117 and MK 125. JATOs are relatively small solid propellant rocket motors used to assist aircraft during takeoff, and launch target drones and Remotely Piloted Vehicles (RPVs). Intended use: Two MK 117s are used to launch one BQM 74C target. One MK 125 is used to launch the Pioneer RPV. Product Improvement: Develop and qualify alternative hardware that will result in a lower cost.												

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BUDGET ITEM JUSTIFICATION SHEET P-40									DATE: February 2005				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								P-1 ITEM NOMENCLATURE 5"/54 GUN AMMUNITION					
Program Element for Code B Items: SUBHEAD NO. A1AC								Other Related Program Elements					
BLIN: 025000													
	Prior Years	ID Code		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY													
COST (In Millions)				\$12.7	\$19.7	\$25.9	\$22.5	\$23.2	\$23.8	\$24.4	\$25.1		
<u>ITEM DESCRIPTION/JUSTIFICATION:</u> 5"/54 ammunition is fired from cruiser and destroyer type of combatant ships against air, surface, and shore targets. Program procures three types of propelling charges, five types of high-explosive projectiles, two specialty projectiles, two pure training rounds and several ancillary rounds (dummy, gage and test). Program also supports newly developed multi-function fuze and multi-option fuze modernization. <u>PROCUREMENT:</u> The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests. <u>PRODUCTION ENGINEERING:</u> Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.													

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2005					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								P-1 ITEM NOMENCLATURE 5"/54 GUN AMMUNITION					
Program Element for Code B Items: SUBHEAD NO. A1AC								Other Related Program Elements BLIN: 025000					
	Prior Years	ID Code		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY													
COST (In Millions)				\$12.7	\$19.7	\$25.9	\$22.5	\$23.2	\$23.8	\$24.4	\$25.1		
<u>CONTINUED:</u> <u>PRODUCT IMPROVEMENT:</u> The requested funds provide engineering services and related effort by the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope. Typically, such improvements take advantage of newly developed materials, progress in the state-of-the-art, improved design and other technical advances to provide improved safety, reduced environmental impact, improved reliability/maintainability/availability, decreased cost, and/or correction of deficiencies exclusive of contractual specifications. <u>RENOVATION COMPONENTS:</u> The items purchased with funds identified for renovation components will be used to upgrade unserviceable rounds to ready-for-issue condition. The rounds to be renovated will be those with the lowest asset readiness positions. <u>GAUGE:</u> These funds are required to procure the gauges and test equipments necessary to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance. <u>NON-STANDARD ITEMS:</u> The non-standard line is to support procurement of ammunition training aids and initial procurements of required non type classified munition items. All ammo procured with these funds is procured through the Single Manager Conventional Ammunition (SMCA) and the most recent SMCA standard/non-standard price list has been used in pricing the ammo.													

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System							DATE: February 2005		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1						ID Code 025000	P-1 ITEM NOMENCLATURE/SUBHEAD 5"/54 GUN AMMUNITION SUBHEAD NO. A1AC								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2004			FY 2005			FY 2006			FY 2007		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AC100	5"/54 AMMUNITION COMPONENTS 5"/54 CHG, PROP, FULL, MK 67, 5"/54 PROJ, BLP/T 5"/54 PROJ, MULTI OPTION FUZE PE/QA SMCA	D326 D349 MOFN		11,037 18,000	211.81 234.15	2,338 4,215	9,750 18,000	573.96 303.64	5,596 5,466	26,286 20,976	591.99 283.39	15,561 5,944	12,090 18,864 5,808	618.41 288.73 915.48	7,477 5,447 5,317
						10			13			8			8
AC830	PRODUCTION ENGINEERING					2,004			1,851			1,897			1,960
AC850	PRODUCT IMPROVEMENT					3,254			3,132			1,000			1,000
AC893	RENOVATION COMPONENTS					498			3,080			876			627
AC894	GAUGE REQUIREMENTS					353			425			450			475
AC895	NON-STANDARD								110			187			161
SUBTOTAL (PAGE 1 OF P5)						12,672			19,673			25,923			22,472

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ITEM NO. 10 PAGE 3

CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE 5"/54 GUN AMMUNITION BLIN: 025000				SUBHEAD A1AC	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AC100										
5"/54 AMMUNITION COMPONENTS										
5"/54 CHG, PROP, FULL, MK 67, UNIVERSAL D326										
FY 2004	11037	211.81	JMC ROCK ISLAND	Oct-03	MIPR	MCLESTER AAP	Mar-04	Jan-06	YES	
FY 2005	9750	573.96	JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Mar-05	Jan-07	YES	
FY 2006	26286	591.99	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Mar-06	Jan-08	NO	Jul-05
FY 2007	12090	618.41	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Mar-07	Jan-09	NO	Jul-06
5"/54 PROJ, BLP/T D349										
FY 2004	18000	234.15	JMC ROCK ISLAND	Oct-03	MIPR	CRANE AAA	Jan-04	Dec-05	YES	
FY 2005	18000	303.64	JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Mar-05	Feb-07	YES	
FY 2006	20976	283.39	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Mar-06	Feb-08	NO	Jul-05
FY 2007	18864	288.73	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Mar-07	Feb-09	NO	Jul-06
5"/54 PROJ, MULTI OPTION FUZE - NAVY MOFN										
FY 2007	5808	915.48	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Feb-07	Jan-09	NO	Jul-06
D. REMARKS										
NOTE: All items shown are priced with available GFM.										

						FY 05	FY 05						
AC100	D326 - 5"/54 CHG, PROP, FULL, MK 67, UNIVERSAL												
	MCALESTER AAP	04	K	N	11.0		11.0		6.0	5.0			
	UNKNOWN	05	K	N	9.8		9.8				9.8		
	UNKNOWN	06	K	N	26.3		26.3						26.3
	UNKNOWN	07	K	N	12.1		12.1						12.1
	TOTALS				110.2		59.2		6.0	5.0	9.8		38.4

Manufacture's Name and Location	Production Rates			Reached D+	Procurement Lead Time					Remarks:
	Min Sust.	1-8-5	Max		Initial	Admin Lead Time		Manufacturing time	Total After	
MCALESTER AAP	7500	25000	50000			Prior	After			
UNKNOWN	7500	25000	50000		1-Oct	1-Oct	time	1-Oct		
					5	5	22	27		
					5	5	22	27		
					P-1 Item Shopping List Item M			Page No		
					10			5		

Manufacture's Name and Location	Production Rates			Reached D+	Procurement Lead Time					Remarks:
	Min Sust.	1-8-5	Max		Initial Reorder (Previous Source)	Admin Lead Time		Manu- facturing time	Total After 1-Oct	
MCALESTER AAP	7500	25000	50000			Prior 1-Oct	After 1-Oct			
UNKNOWN	7500	25000	50000			5	5	22	27	
						5	5	22	27	
						P-1 Item Shopping List Item			Page No	
						10		6		

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BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: February 2005			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								P-1 ITEM NOMENCLATURE EXTENDED RANGE MUNITION (ERM)					
Program Element for Code B Items: SUBHEAD NO. A1AK								Other Related Program Elements BLIN: 025300					
	Prior Years	ID Code		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY													
COST (In Millions)	\$28.0			\$2.9	\$0.5	\$0.0	\$0.0	\$0.0	\$0.0	\$69.8	\$124.4		
<u>CONTINUED:</u> <u>PRODUCT IMPROVEMENT:</u> The requested funds provide engineering services and related effort by the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope. Typically, such improvements take advantage of newly developed materials, progress in the state-of-the-art, improved design and other technical advances to provide improved safety, reduced environmental impact, improved reliability/maintainability/availability, decreased cost, and/or correction of deficiencies exclusive of contractual specifications. <u>RENOVATION COMPONENTS:</u> The items purchased with funds identified for renovation components will be used to upgrade unserviceable rounds to ready-for-issue condition. The rounds to be renovated will be those with the lowest asset readiness positions. <u>GAUGE:</u> These funds are required to procure the gauges and test equipments necessary to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance. <u>NON-STANDARD ITEMS:</u> The non-standard line is to support procurement of ammunition training aids and initial procurements of required non type classified munition items. All ammo procured with these funds is procured through the Navy.													

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System							DATE: February 2005		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1						ID Code 025300	P-1 ITEM NOMENCLATURE/SUBHEAD EXTENDED RANGE MUNITION (ERM) SUBHEAD NO. A1AK								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2004			FY 2005			FY 2006			FY 2007		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AK100	AMMUNITION COMPONENTS CHG, PROPELLING EX-167 HANDLING CYCLE DUMMY RO INTERNAL BALLISTICS SIM PE/QA SMCA	DWDC HDUM IBST	1,600 53 2,756	384 10 96	1953.12 5000.00 7906.25	750 50 759									
AK830	PRODUCTION ENGINEERING		5,296			1,344			498						
AK850	PRODUCT IMPROVEMENT		18,264												
AK893	RENOVATION COMPONENTS														
AK894	GAUGE REQUIREMENTS														
AK895	NON-STANDARD														
SUBTOTAL (PAGE 1 OF P5)			27,969			2,903			498			0			0

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE EXTENDED RANGE MUNITION (ERM) BLIN: 025300				SUBHEAD A1AK	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AK100										
AMMUNITION COMPONENTS CHG, PROPELLING EX-167 DWDC FY 2004	384	1953.12	NSWC INDIAN HEAD	Oct-03	WX	NSWC INDIAN HEAD	FEB-04	APR-05	YES	
HANDLING CYCLE DUMMY ROUND HDUM FY 2004	10	5000.00	NSWC DAHLGREN	Oct-03	CONTRACT	UNKNOWN	FEB-05	OCT-05	YES	
INTERNAL BALLISTICS SIMULATOR TEST IBST FY 2004	96	7906.25	NSWC DAHLGREN	Oct-03	CONTRACT	UNKNOWN	FEB-05	OCT-05	YES	
D. REMARKS										
Note: All items shown are priced with available GFM. Note: Location of PCO and contractor are both NSWC Indian Head because work will be performed in-house. No contracts will be awarded.										

		FY 04		FY 04		
AK100	DWDC - CHG, PROPELLING EX-167					
	UNKNOWN	04	EA	N	384	384
	TOTALS				384	384

Manufacture's Name and Location	Production Rates			Reached D+	Procurement Lead Time					Remarks:
	Min Sust.	1-8-5	Max		Admin Lead Time		Manu- facturing time	Total After 1-Oct		
UNKNOWN	18000	27000	76000	Initial Reorder (Previous Source)	Prior 1-Oct	After 1-Oct				
					5	5	22	27		
					5	5	22	27		
					P-1 Item Shopping List Item No		Page No			
					11		5			

Manufacture's Name and Location	Production Rates			Reached D+	Procurement Lead Time					Remarks:
	Min Sust.	1-8-5	Max		Admin Lead Time		Manu- facturing time	Total After 1-Oct		
UNKNOWN					Initial Reorder (Previous Source)	Prior 1-Oct	After 1-Oct			
						2	2	10	12	
						2	2	10	12	
					P-1 Item Shopping List Item No			Page No		
					11			6		

		FY 04		FY 04		
AK100	IBST -INTERNAL BALLISTICS SIMULATOR TEST					
	UNKNOWN	04	EA	N	96	96
	TOTALS				96	96

Manufacture's Name and Location	Production Rates			Reached D+		Procurement Lead Time						Remarks:
	Min Sust.	1-8-5	Max			Initial Reorder (Previous Source)	Admin Lead Time		Manu- facturing time	Total After 1-Oct		
UNKNOWN							Prior 1-Oct	After 1-Oct				
						2	2	10	12			
						2	2	10	12			
						P-1 Item Shopping List Item No			Page No			
						11			7			

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System							DATE: February 2005		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1						ID Code 026500	P-1 ITEM NOMENCLATURE/SUBHEAD 76MM GUN AMMUNITION SUBHEAD NO. A1AF								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2004			FY 2005			FY 2006			FY 2007		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AF100	76MM AMMUNITION COMPONENTS														
	PE/QA SMCA								13						
AF830	PRODUCTION ENGINEERING					636			640						
AF850	PRODUCT IMPROVEMENT					426									
AF893	RENOVATION COMPONENTS								416						
AF894	GAUGE REQUIREMENTS					56			50						
AF895	NON-STANDARD					60			30						
SUBTOTAL (PAGE 1 OF P5)						1,178			1,149			0			

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2005					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								P-1 ITEM NOMENCLATURE INTERMEDIATE CALIBER GUN AMMUNITION					
Program Element for Code B Items: SUBHEAD NO. A1AL								Other Related Program Elements BLIN: 026600					
	Prior Years	ID Code		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY													
COST (In Millions)				\$0.0	\$0.0	\$1.3	\$1.8	\$2.0	\$2.1	\$2.2	\$2.2		
<u>ITEM DESCRIPTION/JUSTIFICATION:</u> The intermediate caliber cartridge is a family of fixed rounds of ammunition for use in shipboard intermediate caliber gun weapon systems (GWS). Navy's primary use for an intermediate caliber GWS will be to address both surface and air targets. United States Coast Guard's (USCG) primary use is drug interdiction, homeland defense, and Visit, Board, Search and Seize (VBSS). Intermediate caliber GWS are currently employed on US Navy guided missile frigates (FFGs) and US Coast Guard Cutters. An intermediate caliber GWS is designated for use on the new Littoral Combat Ship (LCS) and DD(X) class of US Navy ships and the USCG National Security Cutter. The program procures both High Explosive service rounds as well as Target Practice and dummy rounds for this GWS. <u>PROCUREMENT:</u> The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests. <u>PRODUCTION ENGINEERING:</u> Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture. NOTE: Through FY 2005, funds in this line item were previously budgeted in line items 0290, Coast Guard Ammunition, and 0265, 76MM Gun Ammunition.													

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BUDGET ITEM JUSTIFICATION SHEET										DATE: February 2005			
P-40													
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								P-1 ITEM NOMENCLATURE INTERMEDIATE CALIBER GUN AMMUNITION					
Program Element for Code B Items: SUBHEAD NO. A1AL								Other Related Program Elements BLIN: 026600					
	Prior Years	ID Code		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY													
COST (In Millions)				\$0.0	\$0.0	\$1.3	\$1.8	\$2.0	\$2.1	\$2.2	\$2.2		

CONTINUED:

PRODUCT IMPROVEMENT: The requested funds provide engineering services and related effort by the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope. Typically, such improvements take advantage of newly developed materials, progress in the state-of-the-art, improved design and other technical advances to provide improved safety, reduced environmental impact, improved reliability/maintainability/availability, decreased cost, and/or correction of deficiencies exclusive of contractual specifications.

RENOVATION COMPONENTS: The items purchased with funds identified for renovation components will be used to upgrade unserviceable rounds to ready-for-issue condition. The rounds to be renovated will be those with the lowest asset readiness positions.

GAUGE: These funds are required to procure the gauges and test equipments necessary to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance.

NON-STANDARD ITEMS: The non-standard line is to support procurement of ammunition training aids and initial procurements of required non type classified munition items.

All ammo procured with these funds is procured through the Single Manager Conventional Ammunition (SMCA) and the most recent SMCA standard/non-standard price list has been used in pricing the ammo.

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System							DATE: February 2005			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1						ID Code 026600		P-1 ITEM NOMENCLATURE/SUBHEAD INTERMEDIATE CALIBER GUN AMMUNITION SUBHEAD NO. A1AL								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 2004			FY 2005			FY 2006			FY 2007			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
AL100	INTERMEDIATE CALIBER GUN AMMUNITION COMPONENTS MEDIUM CAL TRAINING ROUND PE/QA SMCA	MDTP								850	516.33	439	1,615	524.70	848	
AL830	PRODUCTION ENGINEERING											720			735	
AL850	PRODUCT IMPROVEMENT															
AL893	RENOVATION COMPONENTS														150	
AL894	GAUGE REQUIREMENTS											50			50	
AL895	NON-STANDARD											43			44	
SUBTOTAL (PAGE 1 OF P5)						0			0			1,252			1,827	

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		A. DATE February 2005		
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE INTERMEDIATE CALIBER GUN AMMUNITION BLIN: 026600				SUBHEAD A1AL	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AL100										
INTERMEDIATE CALIBER GUN AMMUNITION COMPONENTS										
MEDIUM CAL TRAINING ROUND MDTP										
FY 2006	850	516.33	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Apr-06	Oct-07	NO	Jul-05
FY 2007	1615	524.70	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Apr-07	Oct-08	NO	Jul-06
D. REMARKS										
NOTE: All items shown are priced with available GFM.										

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CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2005					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								P-1 ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION					
Program Element for Code B Items: SUBHEAD NO. A1AG BLIN: 027000								Other Related Program Elements					
	Prior Years	ID Code		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY													
COST (In Millions)				\$19.2	\$19.1	\$40.1	\$32.5	\$34.4	\$35.5	\$36.4	\$37.5		
<u>ITEM DESCRIPTION/JUSTIFICATION:</u> The OSGA program consists of 40 medium caliber types of gun ammunition (20MM, 25MM, 30MM, 40MM, 60MM mortars). This supports active Navy ships, and active and reserve ashore warfare forces including mobile construction battalions (MCB), amphibious construction battalion (ACB), mobile security forces (MSF), fleet combat readiness groups, inshore undersea warfare groups and several other type operational units. Program includes support for emergent anti-terrorism/force protection and homeland defense requirements. <u>PROCUREMENT:</u> The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests. <u>PRODUCTION ENGINEERING:</u> Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.													

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET										DATE:			
P-40										February 2005			
APPROPRIATION/BUDGET ACTIVITY								P-1 ITEM NOMENCLATURE					
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								OTHER SHIP GUN AMMUNITION					
Program Element for Code B Items:								Other Related Program Elements					
SUBHEAD NO. A1AG								BLIN: 027000					
	Prior Years	ID Code		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY													
COST (In Millions)				\$19.2	\$19.1	\$40.1	\$32.5	\$34.4	\$35.5	\$36.4	\$37.5		

CONTINUED:

PRODUCT IMPROVEMENT: The requested funds provide engineering services and related effort by the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope. Typically, such improvements take advantage of newly developed materials, progress in the state-of-the-art, improved design and other technical advances to provide improved safety, reduced environmental impact, improved reliability/maintainability/availability, decreased cost, and/or correction of deficiencies exclusive of contractual specifications.

RENOVATION COMPONENTS: The items purchased with funds identified for renovation components will be used to upgrade unserviceable rounds to ready-for-issue condition. The rounds to be renovated will be those with the lowest asset readiness positions.

GAUGE: These funds are required to procure the gauges and test equipments necessary to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance.

NON-STANDARD ITEMS: The non-standard line is to support procurement of ammunition training aids and initial procurements of required non type classified munition items.

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System							DATE: February 2005		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1						ID Code 027000	P-1 ITEM NOMENCLATURE/SUBHEAD OTHER SHIP GUN AMMUNITION SUBHEAD NO. A1AG								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2004			FY 2005			FY 2006			FY 2007		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AG100	25MM CARTRIDGES	A976 A981 A991		209,110	11.26	2,355				198,000	17.88	3,540	235,015	18.21	4,280
	CTG, 25MM, TP-T, M793								99,990	23.42	2,342	99,990	23.80	2,380	
	CTG 25MM MK210						149,059	29.11	4,339	99,990	29.58	2,958	99,990	30.06	3,006
	CTG, 25MM, SAPHEI-T														
	30MM CARTRIDGES	AA71 AA65 AA89								7,200	250.00	1,800			
	CART., 30MM APFSDS-T LKD														
	CART., 30MM TP/TP-T LKD														
	CART., 30MM HEI-T/MP LKD		2,000	102.00	202	1,387	136.22	189	14,250	100.00	1,425	14,250	100.00	1,425	
	40MM GRENADE CARTRIDGES	B519 B542 B576 B650 WM30													
	CTG., 40MM, PRAC., M79 F/M203			43,700	5.05	221	50,000	4.42	221	45,000	4.37	197	40,000	4.45	178
CTG 40MM,M430 F/MK19			207,008	22.05	4,565	150,880	36.46	5,501	150,016	22.07	3,311	150,016	22.45	3,368	
CTG, 40MM, FIXED, PRAC., F/MK						148,416	16.03	2,379							
CTG, 40MM, BLANK, SAL (350&20						7,992	38.98	312	8,010	89.81	719	8,010	89.33	715	
CTG, 40MM, 300 METER									50,000	22.46	1,123	50,000	22.82	1,141	
AG200	LCS MINOR CALIBER	MISV MITP													
	MINOR CAL SERVICE ROUND								2,350	100.00	235	2,620	100.00	262	
	MINOR CAL TRAINING ROUND								3,000	22.88	69	3,000	23.25	70	
	20MM CARTRIDGES	AA61													
CART., 20MM ELC			238,700	27.82	6,641	193,673	25.21	4,883	817,150	25.62	20,935	544,800	26.03	14,181	
PE/QA SMCA-AG100					524			504			229			272	
	PE/QA SMCA-AG200														
SUBTOTAL (PAGE 1 OF P5)						14,508			18,328			38,883			31,278

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION BLIN: 027000				SUBHEAD A1AG	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AG100										
25MM CARTRIDGES										
CTG, 25MM, TP-T, M793 A976										
FY 2004	209110	11.26	JMC ROCK ISLAND	Oct-03	MIPR	GENERAL DYNAMICS ORD	Jan-04	Mar-05	YES	
FY 2006	198000	17.88	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Apr-06	Jun-07	NO	Jul-05
FY 2007	235015	18.21	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Apr-07	Jun-08	NO	Jul-06
CTG 25MM MK210 A981										
FY 2006	99990	23.42	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Jun-07	NO	Jul-05
FY 2007	99990	23.80	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Jun-08	NO	Jul-06
CTG, 25MM, SAPHEI-T A991										
FY 2005	149059	29.11	NSWC CRANE	Oct-04	CONTRACT	UNKNOWN	Apr-05	Jun-06	YES	
FY 2006	99990	29.58	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Jun-07	NO	Jul-05
FY 2007	99990	30.06	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Jun-08	NO	Jul-06
30MM CARTRIDGES										
CART., 30MM APFSDS-T LKD AA71										
FY 2006	7200	250.00	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Oct-07	NO	Jul-05

D. REMARKS

NOTE: All items shown are priced with available GFM.

CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION BLIN: 027000				SUBHEAD A1AG	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AG100 CONTINUED										
30MM CARTRIDGES										
CART., 30MM HEI-T/MP LKD AA89										
FY 2004	2000	102.00	NSWC CRANE	Oct-03	CONTRACT	UNKNOWN	Apr-05	Oct-06	YES	
FY 2005	1387	136.22	NSWC CRANE	Oct-04	CONTRACT	UNKNOWN	Apr-05	Oct-06	YES	
FY 2006	14250	100.00	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Oct-07	NO	Jul-05
FY 2007	14250	100.00	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Oct-08	NO	Jul-06
40MM GRENADE CARTRIDGES										
CTG., 40MM, PRAC., M79 F/M203 B519										
FY 2004	43700	5.05	JMC ROCK ISLAND	Oct-03	MIPR	MAST TECHNOLOGY INC.	Jun-04	Jul-05	YES	
FY 2005	50000	4.42	JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Mar-05	Apr-06	YES	
FY 2006	45000	4.37	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Mar-06	Apr-07	NO	Jul-05
FY 2007	40000	4.45	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Mar-07	Apr-08	NO	Jul-06
CTG 40MM,M430 F/MK19 B542										
FY 2004	207008	22.05	JMC ROCK ISLAND	Oct-03	MIPR	UNKNOWN	Mar 05	Jul-06	YES	
FY 2005	150880	36.46	JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Mar 05	Oct-06	YES	
FY 2006	150016	22.07	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Jan-06	Aug-07	NO	Jul-05
FY 2007	150016	22.45	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Jan-07	Aug-08	NO	Jul-06
CTG, 40MM, FIXED, PRAC., F/MK19 B576										
FY 2005	148416	16.03	JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Mar 05	Dec-06	YES	
D. REMARKS										
NOTE: All items shown are priced with available GFM.										

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION BLIN: 027000				SUBHEAD A1AG	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AG100 CONTINUED										
40MM GRENADE CARTRIDGES										
CTG, 40MM, BLANK, SAL (350&200 GRAMS) B650										
FY 2005	7992	38.98	JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Mar-05	Sep-06	YES	
FY 2006	8010	89.81	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Jan-06	Jul-07	NO	Jul-05
FY 2007	8010	89.33	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Jan-07	Jul-08	NO	Jul-06
CTG, 40MM, 300 METER WM30										
FY 2006	50000	22.46	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Mar-06	Mar-07	NO	Jul-05
FY 2007	50000	22.82	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Mar-07	Mar-08	NO	Jul-06
LCS MINOR CALIBER										
MINOR CAL SERVICE ROUND MISV										
FY 2006	2350	100.00	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Mar-06	Sep-07	NO	Jul-05
FY 2007	2620	100.00	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Mar-07	Sep-08	NO	Jul-06
MINOR CAL TRAINING ROUND MITP										
FY 2006	3000	22.88	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Mar-06	Jun-07	NO	Jul-05
FY 2007	3000	23.25	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Mar-07	Jun-08	NO	Jul-06
D. REMARKS										
NOTE: All items shown are priced with available GFM.										

CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION BLIN: 027000				SUBHEAD A1AG	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AG200										
20MM CARTRIDGES										
CART., 20MM ELC AA61										
FY 2004	238700	27.82	NSWC CRANE	Oct-03	CONTRACT	UNKNOWN	Feb-05	Oct-06	YES	
FY 2005	193673	25.21	NSWC CRANE	Oct-04	CONTRACT	UNKNOWN	Feb-05	Oct-06	YES	
FY 2006	817150	25.62	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Feb-06	Oct-07	NO	Jul-05
FY 2007	544800	26.03	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Feb-07	Oct-08	NO	Jul-06
D. REMARKS										
NOTE: All items shown are priced with available GFM.										

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BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: February 2005			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								P-1 ITEM NOMENCLATURE SMALL ARMS AND LANDING PARTY AMMUNITION					
Program Element for Code B Items: SUBHEAD NO. A1AH								Other Related Program Elements BLIN: 033500					
	Prior Years	ID Code		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY													
COST (In Millions)				\$17.8	\$23.1	\$35.6	\$9.3	\$10.1	\$10.3	\$10.6	\$11.1		
<u>ITEM DESCRIPTION/JUSTIFICATION:</u> The Small Arms and Landing Party program consists of approximately 93 types of ammunition (shotgun, handgun, rifle, machine guns, grenades, and land mines). This supports all active Navy ships, and active and reserve ashore warfare forces including mobile construction battalions (MCB), amphibious construction battalion (ACB), mobile security forces (MSF), fleet combat readiness groups, inshore undersea warfare groups and several other type operational units. Program includes support for emergent anti-terrorism/force protection and homeland defense requirements. <u>PROCUREMENT:</u> The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests. <u>PRODUCTION ENGINEERING:</u> Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.													

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BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: February 2005			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								P-1 ITEM NOMENCLATURE SMALL ARMS AND LANDING PARTY AMMUNITION					
Program Element for Code B Items: SUBHEAD NO. A1AH								Other Related Program Elements BLIN: 033500					
	Prior Years	ID Code		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY													
COST (In Millions)				\$17.8	\$23.1	\$35.6	\$9.3	\$10.1	\$10.3	\$10.6	\$11.1		
<u>CONTINUED:</u> <u>PRODUCT IMPROVEMENT:</u> The requested funds provide engineering services and related effort by the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope. Typically, such improvements take advantage of newly developed materials, progress in the state-of-the-art, improved design and other technical advances to provide improved safety, reduced environmental impact, improved reliability/maintainability/availability, decreased cost, and/or correction of deficiencies exclusive of contractual specifications. <u>RENOVATION COMPONENTS:</u> The items purchased with funds identified for renovation components will be used to upgrade unserviceable rounds to ready-for-issue condition. The rounds to be renovated will be those with the lowest asset readiness positions. <u>GAUGE:</u> These funds are required to procure the gauges and test equipments necessary to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance. <u>NON-STANDARD ITEMS:</u> The non-standard line is to support procurement of ammunition training aids and initial procurements of required non type classified munition items.													

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System							DATE: February 2005			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1						ID Code 033500		P-1 ITEM NOMENCLATURE/SUBHEAD SMALL ARMS AND LANDING PARTY AMMUNITION SUBHEAD NO. A1AH								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 2004			FY 2005			FY 2006			FY 2007			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
AH100	SHOTGUN CARTRIDGES															
	CTG, 12 GA, NO. 00	A011		2,021,760	0.34	687	1,000,000	0.35	350	1,000,000	0.36	360	1,699,840	0.36	612	
	CTG,12 GA NO.9	A017								70,000	0.19	14				
	CTG, 12 GA WARNING MUNITION,	WM10								70,700	7.75	548	25,200	7.87	198	
	CTG, 12 GA WARNING MUNITION,	WM20								70,700	7.75	548	25,200	7.87	198	
	5.56MM CARTRIDGES															
	CTG,5.56MM M855	A059		2,378,880	0.21	500				8,500,800	0.25	2,125	1,002,960	0.25	251	
	CTG, 5.56MM, BLANK	A080		962,160	0.10	101				2,359,800	0.12	283	980,400	0.12	118	
	7.62MM CARTRIDGES															
	CTG,7.62MM BLNK	A111								500,000	0.40	200				
	CTG, 7.62MM, LKD, BALL AND TR	A131		3,424,000	0.46	1,589	2,178,400	0.54	1,177	10,050,400	0.52	5,226	1,864,000	0.53	988	
	CTG, 7.62MM, BALL, M80, LKD	A143											250,000	0.54	135	
	CTG, 7.62MM, LKD	A165		3,039,000	0.44	1,335							387,000	0.52	201	
	9MM CARTRIDGES															
AH350	CTG, 9MM, BALL	A363								500,000	0.12	60	13,434,000	0.12	1,612	
	CTG, 9MM, FRANGIBLE	AA16								1,000,000	0.18	180	1,000,000	0.18	180	
	.50 CAL CARTRIDGES															
	CTG, .50 CAL, LKD, BALL	A555		250,000	1.69	423										
	CTG, .50 CAL, LKD & TRACER	A557		969,600	1.76	1,709	1,127,400	1.97	2,221	4,000,000	2.03	8,120	204,000	2.11	431	
	CTG, .50 CAL, MK 211, APIT, M	AA06		1,665,600	6.01	10,005	2,813,463	6.30	17,725	2,565,000	6.37	16,339	403,000	6.48	2,612	
	MATCH AMMO															
	CTG, .22 CAL, BALL, LR, MATCH	A097					200,000	0.18	36				316,000	0.19	60	
	CTG., 5.56MM Match	AA53					425,000	0.53	225	400,000	0.54	216	400,000	0.55	220	
	PE/QA SMCA					104			57			205			220	
	SUBTOTAL (PAGE 1 OF P5)						16,453			21,791			34,424			8,036

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE SMALL ARMS AND LANDING PARTY AMMUNITION BLIN: 033500			SUBHEAD A1AH		
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AH100										
SHOTGUN CARTRIDGES CTG, 12 GA, NO. 00 A011										
FY 2004	2021760	0.34	JMC ROCK ISLAND	Oct-03	MIPR	OLIN CORP	Mar-04	Nov-04	YES	
FY 2005	1000000	0.35	JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Mar-05	Sep-05	YES	
FY 2006	1000000	0.36	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Feb-06	Aug-06	NO	Jul-05
FY 2007	1699840	0.36	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Feb-07	Aug-07	NO	Jul-06
CTG,12 GA NO.9 A017										
FY 2006	70000	0.19	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Feb-06	Aug-06	NO	Jul-05
CTG, 12 GA WARNING MUNITION, 100 METER WM10										
FY 2006	70700	7.75	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Feb-06	Nov-06	NO	Jul-05
FY 2007	25200	7.87	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Feb-07	Nov-07	NO	Jul-06
CTG, 12 GA WARNING MUNITION, 200 METER WM20										
FY 2006	70700	7.75	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Feb-06	Nov-06	NO	Jul-05
FY 2007	25200	7.87	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Feb-07	Nov-07	NO	Jul-06
5.56MM CARTRIDGES CTG,5.56MM M855 A059										
FY 2004	2378880	0.21	JMC ROCK ISLAND	Oct-03	MIPR	ALLIANT TECHSYSTEMS	Mar-04	Jun-05	YES	
FY 2006	8500800	0.25	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Feb-06	Nov-06	NO	Jul-05
FY 2007	1002960	0.25	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Feb-07	Nov-07	NO	Jul-06
D. REMARKS										
NOTE: All items shown are priced with available GFM.										

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE SMALL ARMS AND LANDING PARTY AMMUNITION BLIN: 033500				SUBHEAD A1AH	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AH100 CONTINUED										
5.56MM CARTRIDGES										
CTG, 5.56MM, BLANK A080										
FY 2004	962160	0.10	JMC ROCK ISLAND	Oct-03	MIPR	ALLIANT TECHSYSTEMS	Mar-04	Feb-05	YES	
FY 2006	2359800	0.12	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Feb-06	Nov-06	NO	Jul-05
FY 2007	980400	0.12	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Feb-07	Nov-07	NO	Jul-06
7.62MM CARTRIDGES										
CTG, 7.62MM BLNK A111										
FY 2006	500000	0.40	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Feb-06	Nov-06	NO	Jul-05
CTG, 7.62MM, LKD, BALL AND TRACER A131										
FY 2004	3424000	0.46	JMC ROCK ISLAND	Oct-03	MIPR	ALLIANT TECHSYSTEMS	Jun-04	Sep-05	YES	
FY 2005	2178400	0.54	JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Mar-05	Dec-05	YES	
FY 2006	10050400	0.52	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Feb-06	Nov-06	NO	Jul-05
FY 2007	1864000	0.53	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Feb-07	Nov-07	NO	Jul-06
CTG, 7.62MM, BALL, M80, LKD A143										
FY 2007	250000	0.54	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Feb-07	Nov-07	NO	Jul-06
D. REMARKS										
NOTE: All items shown are priced with available GFM.										

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE SMALL ARMS AND LANDING PARTY AMMUNITION BLIN: 033500				SUBHEAD A1AH	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AH100 CONTINUED										
7.62MM CARTRIDGES										
CTG, 7.62MM, LKD A165										
FY 2004	3039000	0.44	JMC ROCK ISLAND	Oct-03	MIPR	ALLIANT TECHSYSTEMS	Feb-04	Jul-05	YES	
FY 2007	387000	0.52	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Feb-07	Nov-07	NO	Jul-06
9MM CARTRIDGES										
CTG, 9MM, BALL A363										
FY 2006	500000	0.12	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Feb-06	Aug-06	NO	Jul-05
FY 2007	13434000	0.12	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Feb-07	Aug-07	NO	Jul-06
CTG, 9MM, FRANGIBLE AA16										
FY 2006	1000000	0.18	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
FY 2007	1000000	0.18	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
.50 CAL CARTRIDGES										
CTG, .50 CAL, LKD, BALL A555										
FY 2004	250000	1.69	JMC ROCK ISLAND	Oct-03	MIPR	ALLIANT TECHSYSTEMS	Mar-04	Oct-04	YES	

D. REMARKS

NOTE: All items shown are priced with available GFM.

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		A. DATE February 2005		
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE SMALL ARMS AND LANDING PARTY AMMUNITION BLIN: 033500				SUBHEAD A1AH	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AH100 CONTINUED										
.50 CAL CARTRIDGES										
CTG, .50 CAL, LKD & TRACER A557										
FY 2004	969600	1.76	JMC ROCK ISLAND	Oct-03	MIPR	MULTIPLE CONTRACTORS	Mar-04	Sep-04	YES	
FY 2005	1127400	1.97	JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Mar-05	Dec-05	YES	
FY 2006	4000000	2.03	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Feb-06	Nov-06	NO	Jul-05
FY 2007	204000	2.11	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Feb-07	Nov-07	NO	Jul-06
CTG, .50 CAL, MK 211, APIT, M20 4 & 1 LK AA06										
FY 2004	1665600	6.01	JMC ROCK ISLAND	Oct-03	MIPR	ALLIANT TECHSYSTEMS	May-04	Dec-05	YES	
FY 2005	2813463	6.30	NSWC CRANE	Oct-04	CONTRACT	UNKNOWN	Jul-05	Jun-06	YES	
FY 2006	2565000	6.37	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
FY 2007	403000	6.48	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
AH350										
MATCH AMMO										
CTG, .22 CAL, BALL, LR, MATCH, RIFLE A097										
FY 2005	200000	0.18	NSWC CRANE	Oct-04	CONTRACT	UNKNOWN	Apr-05	Apr-06	YES	
FY 2007	316000	0.19	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
D. REMARKS										
NOTE: All items shown are priced with available GFM.										

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE SMALL ARMS AND LANDING PARTY AMMUNITION BLIN: 033500				SUBHEAD A1AH	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AH350 CONTINUED										
MATCH AMMO										
CTG., 5.56MM Match AA53										
FY 2005	425000	0.53	NSWC CRANE	Oct-04	CONTRACT	UNKNOWN	Apr-05	Apr-06	YES	
FY 2006	400000	0.54	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
FY 2007	400000	0.55	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
D. REMARKS										
NOTE: All items shown are priced with available GFM.										

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40									DATE: February 2005				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION MATERIAL					
Program Element for Code B Items: SUBHEAD NO. A1AJ								Other Related Program Elements BLIN: 034000					
	Prior Years	ID Code		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY													
COST (In Millions)				\$10.1	\$10.1	\$13.9	\$10.4	\$10.9	\$11.2	\$11.5	\$11.9		
<u>ITEM DESCRIPTION/JUSTIFICATION:</u> The Pyrotechnics/Demolition program consists of approximately 230 different types of pyrotechnics/demolition items that are required to support the surface, air, ground, and underwater Navy requirements. This program provides pyrotechnics and demolition materials for all active naval vessels, amphibious and mobile construction battalions (ACB and MCB), mobile diving and salvage units, cargo handling and port groups, naval security groups, fleet composite operational readiness groups and explosive ordnance disposal groups/mobile units/detachments/teams. This program also provides materials to support the ship shock test program. These pyrotechnics items consist of illumination, signaling, identification, and location devices using flare or smoke as the primary signaling agent. Pyrotechnics are used for training, combat exercises, submarine rescue and personnel search and rescue operations. Demolitions consist of explosive devices and accessories and are required for fleet units to perform training functions and operations/requirements. <u>PROCUREMENT:</u> The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests. <u>PRODUCTION ENGINEERING:</u> Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.													

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CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET										DATE: February 2005			
P-40													
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION MATERIAL					
Program Element for Code B Items: SUBHEAD NO. A1AJ								Other Related Program Elements BLIN: 034000					
	Prior Years	ID Code		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY													
COST (In Millions)				\$10.1	\$10.1	\$13.9	\$10.4	\$10.9	\$11.2	\$11.5	\$11.9		

CONTINUED:

PRODUCT IMPROVEMENT: The requested funds provide engineering services and related efforts by the producing contractor of manufacturing installation. To extend the useful military life of an item or to improve the item within the current performance envelope. Typically, such improvements take advantage of newly developed materials, progress in the state-of-the-art, improved design and other technical advances to provide improved safety, reduced environmental impact, improved reliability/maintainability/availability, decreased cost, and/or correction of deficiencies exclusive of contractual specifications.

RENOVATION COMPONENTS: The items purchased with funds identified for renovation components will be used to upgrade unserviceable rounds to ready-for-issue condition. The rounds to be renovated will be those with the lowest asset readiness positions.

GAUGE: These funds are required to procure the gauges and test equipments necessary to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance.

NON-STANDARD ITEMS: The non-standard line is to support procurement of ammunition training aids and initial procurements of required non type classified munition items.

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System							DATE: February 2005		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1						ID Code 034000	P-1 ITEM NOMENCLATURE/SUBHEAD PYROTECHNICS AND DEMOLITION MATERIAL SUBHEAD NO. A1AJ								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2004			FY 2005			FY 2006			FY 2007		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AJ100	SIGNALS														
	SIGNAL, ILLUM, MARINE, RED, C	L191											4,992	93.75	468
	SIGNAL, ILLUM, MARINE, YELLOW	L192											4,992	94.01	469
	SIGNAL, ILLUM, MARINE, RED ST	L193											6,456	95.33	616
	SIG, SMK ILLUM, MAR, MK124/13	L283		34,840	48.78	1,700	10,008	55.55	556	40,480	62.87	2,545			
	SIG, SMK ILLUM, MAR, MK 117,	LA26		141	1588.06	225	900	1262.14	1,136	760	1282.46	975			
	TRAINING DEVICES														
	SIM, HAND GRENADE, M116	L601								4,050	8.41	34	4,500	8.55	38
	MINE CHARGES & CHARGE CUTTERS														
	CONTAINER, MCD, MK 788	DWDF		2,196	61.24	135							2,496	64.17	160
CHARGE, LIDD, MK171	DWDN					1,169	127.87	150				2,900	121.53	353	
CHG, DML, BLK, COMP C-4, 1.25	M023								19,500	15.66	305				
CHG, DML, BLK, M118, PETN, 2L	M024					2,500	58.58	146				3,340	56.58	189	
CHG, ASSY, DML, M183/37	M757									1,500	437.86	657			
SUBTOTAL (PAGE 1 OF P5)						2,060			1,988			4,516			2,293

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CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System							DATE: February 2005		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1						ID Code 034000	P-1 ITEM NOMENCLATURE/SUBHEAD PYROTECHNICS AND DEMOLITION MATERIAL SUBHEAD NO. A1AJ								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2004			FY 2005			FY 2006			FY 2007		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AJ100	CONTINUED														
	DET CORDS, CAPS & FUZES														
	AFS NON-ELECTRIC FIRING KIT	AFSK					1,500	151.00	227				2,500	155.90	390
	DETONATOR, DEL, 175MS, MK156	DWEJ											10,000	10.29	103
	DETONATOR, DEL, 200MS, MK157	DWEK											10,000	10.29	103
	DETONATOR, DEL, 17MS, MK 158	DWEL								5,050	13.39	68			
	DETONATOR, DEL, 42MS, MK 159	DWEM								5,050	13.39	68			
	DETONATOR, DEL, 25MS, MK 160	DWEN								5,050	13.39	68			
	FIRING DEVICE, ACOUSTIC, MK 5	DWES		1,074	1452.70	1,560							1,146	1547.45	1,773
	REMOTE FIRING DEVICE, MK 64 M	DWFD								14,000	63.81	893			
	BREECH PLUG ASSEMBLY, TITANIUM	DWFL					1,530	111.77	171						
	CAP, BLASTING, ELECTRIC, MK 1	DWFP		41,444	59.38	2,461							26,900	69.90	1,880
	CAP, BLASTING, ELEC, INERT	M098								4,000	7.86	31			
	CAP, BLASTING, NON-ELEC, M7	M131		35,920	9.60	345				35,000	10.39	364			
	CORD, DETONATING, PRIMACORD,	M456		704,000	0.32	227				1,000,000	0.43	430			
	FUZE, BLASTING, TIME	M670		200,000	0.22	44	440,000	0.31	138	400,000	0.23	92			
	SQUIB, ELECTRIC, MK 20	MG61					9,000	84.91	764	9,110	86.28	786			
	FIRING DEVICE, DML MULTIPURPO	ML03								15,008	32.61	489			
	RADIO FIRING DEVICE (RFD) MK	ML06					50	18390.00	920	44	18686.08	822			
	DET, NON-EL, 50' DUAL, MK 153	MN51					138	54.88	8						
	FIRING DEVICE, MK 62	MN81					2,380	852.11	2,028						
	CONNECTOR, DET CORD, PLASTIC	MW49											30,000	0.48	15
	SUBTOTAL (PAGE 2 OF P5)					4637			4256			4111			4264
TOTAL						6,697			6,244			8,627			6,557

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DD FORM 2446, JUN 86

CLASSIFICATION:

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CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION MATERIAL BLIN: 034000				SUBHEAD A1AJ	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AJ100										
SIGNALS										
SIGNAL, ILLUM, MARINE, RED, COMET L191										
FY 2007	4992	93.75	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
SIGNAL, ILLUM, MARINE, YELLOW COMET L192										
FY 2007	4992	94.01	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
SIGNAL, ILLUM, MARINE, RED STAR MK1 L193										
FY 2007	6456	95.33	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Feb-08	NO	Jul-06
SIG, SMK ILLUM, MAR, MK124/13, DISTRESS L283										
FY 2004	34840	48.78	JMC ROCK ISLAND	Oct-03	MIPR	PYROTECHNIC SPECIALTIE	Sep-04	Mar-06	YES	
FY 2005	10008	55.55	JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Oct-05	Apr-07	NO	Jun-05
FY 2006	40480	62.87	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Oct-07	NO	Jul-05
SIG, SMK ILLUM, MAR, MK 117, GREEN LA26										
FY 2004	141	1588.06	NSWC CRANE	Oct-03	CONTRACT	CRANE AAA	Nov-04	Jun-05	YES	
FY 2005	900	1262.14	NSWC CRANE	Oct-04	CONTRACT	UNKNOWN	Apr-05	Oct-06	YES	
FY 2006	760	1282.46	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Oct-07	NO	Jul-05
D. REMARKS										
NOTE: All items shown are priced with available GFM.										

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION MATERIAL BLIN: 034000				SUBHEAD A1AJ	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AJ100 CONTINUED										
TRAINING DEVICES										
SIM, HAND GRENADE, M116 L601										
FY 2006	4050	8.41	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Sep-06	Sep-07	NO	Jul-05
FY 2007	4500	8.55	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Sep-07	Sep-08	NO	Jul-06
MINE CHARGES & CHARGE CUTTERS										
CONTAINER, MCD, MK 788 DWDF										
FY 2002	1812	61.15	NSWC CRANE	Oct-01	CONTRACT	NSWC CRANE, CODE 4053	Mar-04	Mar-05	YES	
FY 2004	2196	61.24	NSWC CRANE	Oct-03	CONTRACT	NSWC CRANE, CODE 4053	Mar-04	Mar-05	YES	
FY 2007	2496	64.17	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
CHARGE, LIDD, MK171 DWDN										
FY 2005	1169	127.87	NSWC CRANE	Oct-04	CONTRACT	CRANE AAA	Jan-06	Feb-06	YES	
FY 2007	2900	121.53	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	May-08	NO	Jul-06
CHG, DML, BLK, COMP C-4, 1.25/2.5LB M023										
FY 2006	19500	15.66	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Aug-06	Aug-07	NO	Jul-05
CHG, DML, BLK, M118, PETN, 2LB M024										
FY 2005	2500	58.58	JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Apr-05	Feb-06	YES	
FY 2007	3340	56.58	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Apr-07	Feb-08	NO	Jul-06

D. REMARKS

NOTE: All items shown are priced with available GFM.

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION MATERIAL BLIN: 034000				SUBHEAD A1AJ	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AJ100 CONTINUED										
MINE CHARGES & CHARGE CUTTERS CHG, ASSY, DML, M183/37 M757 FY 2006	1500	437.86	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
DET CORDS, CAPS & FUZES AFS NON-ELECTRIC FIRING KIT AFSK FY 2005	1500	151.00	NSWC CRANE	Apr-05	CONTRACT	UNKNOWN	Aug-05	Aug-06	NO	Mar-05
FY 2007	2500	155.90	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
DETONATOR, DEL, 175MS, MK156 MOD 0, 30FT DWEJ FY 2007	10000	10.29	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
DETONATOR, DEL, 200MS, MK157 MOD 0, 16FT DWEK FY 2007	10000	10.29	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
DETONATOR, DEL, 17MS, MK 158 MOD 0, 12FT DWEL FY 2006	5050	13.39	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
DETONATOR, DEL, 42MS, MK 159 MOD 0, 12FT DWEM FY 2006	5050	13.39	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
DETONATOR, DEL, 25MS, MK 160 MOD 0, 12FT DWEN FY 2006	5050	13.39	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
D. REMARKS										
NOTE: All items shown are priced with available GFM.										

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CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION MATERIAL BLIN: 034000			SUBHEAD A1AJ		
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AJ100 CONTINUED										
DET CORDS, CAPS & FUZES FIRING DEVICE, ACOUSTIC, MK 58 DWES										
FY 2004	1074	1452.70	NSWC CRANE	Oct-03	CONTRACT	HI-SHEAR TECHNOLOGY CO	May-04	Aug-06	YES	
FY 2007	1146	1547.45	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Oct-08	NO	Jul-06
REMOTE FIRING DEVICE, MK 64 MOD 0 DWFD										
FY 2006	14000	63.81	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
BREECH PLUG ASSEMBLY, TITANIUM DISRUPTER DWFL										
FY 2005	1530	111.77	NSWC CRANE	Feb-05	CONTRACT	UNKNOWN	Apr-05	Jun-06	YES	
CAP, BLASTING, ELECTRIC, MK 17 MOD 1 DWFP										
FY 2004	41444	59.38	NSWC CRANE	Jan-05	CONTRACT	UNKNOWN	Mar-05	Dec-05	YES	
FY 2007	26900	69.90	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
D. REMARKS										
NOTE: All items shown are priced with available GFM.										

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION MATERIAL BLIN: 034000			SUBHEAD A1AJ		
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AJ100 CONTINUED										
DET CORDS, CAPS & FUZES CAP, BLASTING, ELEC, INERT M098 FY 2006	4000	7.86	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Feb-07	NO	Jul-05
CAP, BLASTING, NON-ELEC, M7 M131 FY 2004	35920	9.60	NSWC CRANE	Oct-03	CONTRACT	STRESAU LABORATORY	May-04	Mar-05	YES	
FY 2006	35000	10.39	NSWC CRANE	Oct-05	MIPR	UNKNOWN	Apr-06	Feb-07	NO	Jul-05
CORD, DETONATING, PRIMACORD, PETN M456 FY 2004	704000	0.32	JMC ROCK ISLAND	Oct-03	MIPR	ENSIGN BICKFORD SIMSBU	Jun-04	Jan-05	YES	
FY 2006	1000000	0.43	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Jun-06	Jan-07	NO	Jul-05
FUZE, BLASTING, TIME M670										
FY 2004	200000	0.22	JMC ROCK ISLAND	Oct-03	MIPR	ENSIGN BICKFORD SIMSBU	May-04	Dec-05	YES	
FY 2005	440000	0.31	JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Apr-05	Feb-06	YES	
FY 2006	400000	0.23	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Apr-06	Feb-07	NO	Jul-05
SQUIB, ELECTRIC, MK 20 MG61 FY 2005	9000	84.91	NSWC CRANE	Jun-05	CONTRACT	UNKNOWN	Oct-05	Oct-06	NO	Apr-05
FY 2006	9110	86.28	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Jul-05

D. REMARKS

NOTE: All items shown are priced with available GFM.

CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION MATERIAL BLIN: 034000				SUBHEAD A1AJ	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AJ100 CONTINUED										
DET CORDS, CAPS & FUZES FIRING DEVICE, DML MULTIPURPOSE ML03 FY 2006	15008	32.61	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Jan-06	Nov-06	NO	Jul-05
RADIO FIRING DEVICE (RFD) MK 186 ML06										
FY 2005	50	18390.00	NSWC CRANE	Oct-04	CONTRACT	ROTHENBUHLER ENG	Jan-05	Apr-08	YES	
FY 2006	44	18686.08	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Sep-08	NO	Jul-05
DET, NON-EL, 50' DUAL, MK 153 MN51 FY 2005	138	54.88	NSWC CRANE	Oct-04	CONTRACT	ENSIGN BICKFORD SIMSBU	Jan-05	Apr-05	YES	
FIRING DEVICE, MK 62 MN81 FY 2005	2380	852.11	NSWC CRANE	Oct-04	CONTRACT	UNKNOWN	Apr-05	Apr-06	YES	
CONNECTOR, DET CORD, PLASTIC MW49 FY 2007	30000	0.48	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Feb-08	NO	Jul-06
CUTTERS & CARTRIDGES BOLT, EXPL, MK5/0 M254 FY 2005	72	4532.15	UNKNOWN	Oct-04	CONTRACT	UNKNOWN	Apr-05	Oct-06	YES	
D. REMARKS										
NOTE: All items shown are priced with available GFM.										

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2005			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION MATERIAL BLIN: 034000				SUBHEAD A1AJ	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AJ100 CONTINUED										
CUTTERS & CARTRIDGES CTG, IMPULSE, MK 148 M663 FY 2006	100	971.41	INDIAN HEAD	Oct-05	CONTRACT	UNKNOWN	Apr-06	Jun-07	NO	Jul-05
CTG, 50 CAL BLANK, ELEC, MK209 SS01 FY 2006	22000	67.74	NSWC CRANE	Nov-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Sep-05
SHOCK TEST CHARGES CHARGE, SHOCK TEST, 60 LB XW65										
FY 2004	314	1432.71	JMC ROCK ISLAND	Oct-03	MIPR	CRANE AAA	Feb-04	Feb-05	YES	
FY 2005	205	1527.15	NSWC CRANE	Oct-04	CONTRACT	NSWC INDIAN HEAD	Nov-04	Nov-05	YES	
FY 2005	320	1485.15	JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Mar-05	Nov-05	YES	
FY 2006	550	1601.01	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Jan-06	Jan-07	NO	Jul-05
FY 2007	550	1628.95	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Jan-07	Jan-08	NO	Jul-06
D. REMARKS										
NOTE: All items shown are priced with available GFM.										

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CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2005					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								P-1 ITEM NOMENCLATURE JUDGEMENT FUND - BLI 0365					
Program Element for Code B Items:								Other Related Program Elements					
	Prior Years	ID Code		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY													
COST (In Millions)				\$20.1									
<u>ITEM DESCRIPTION/JUSTIFICATION:</u> PJ001: Funding required for payment of Judgement fund .													

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5							Weapon System						DATE: February 2005			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1							ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD JUDGEMENT FUND/A1PJ BLI 0365								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 2004			FY 2005			FY 2006			FY 2007			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
PJ001	Judgement Fund					20,193										
SUBTOTAL (PAGE 1 OF P5)						20,193			0			0			0	

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CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET				DATE: FEBRUARY 2005								
P-40				P-1 ITEM NOMENCLATURE BLI 040000								
APPROPRIATION/BUDGET ACTIVITY				Ammunition less than \$5 million (J1A5)								
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/ BA-1												
Program Element for Code B Items:			Other Related Program Elements									
BLI: 040000												
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY											continuing	continuing
COST (In Millions)	\$12.6	A	\$2.1	\$3.1	\$3.2	\$1.2	\$3.2	\$3.2	\$3.3	\$3.4	continuing	continuing

Beginning in FY 2000, Marine Location Markers budgeted in the Ammunition less than \$5 million line item.

Ammunition Less than \$5 Million

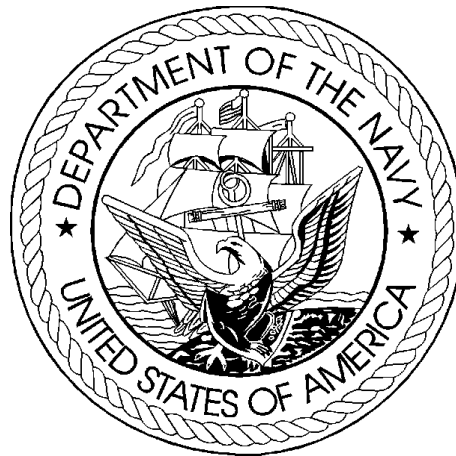
These items include both air-launched and hand-launched pyrotechnic devices. The aircraft launched units visually assist in the location of sonobouys during anti-submarine operations. The hand launched units are used in a variety of situations to include SAR operations, Man Overboard drills and Target Marking. The MK 58 was designed for day or night use in any condition calling for long burning, smoke and flame reference-point marking on the ocean. It produces yellow flame and white smoke for 40-60 minutes which is visible for at least three miles under normal operating conditions. The MK 25 is designed to launch from aircraft (primary) or surface craft to provide day/night reference-points in marking the course of enemy contacts. It is suitable for any type of sea surface reference point marking that requires both smoke and flame propagation for approximately fifteen minutes.

The current budget profile provides funding for support efforts (PES, ILS), procurement of non-standard items, and renovation components for future procurements.

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DEPARTMENT OF THE NAVY
FISCAL YEAR (FY) 2006/FY 2007
BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES
FEBRUARY 2005

PROCUREMENT OF AMMUNITION,
NAVY AND MARINE CORPS
BUDGET ACTIVITY 2

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 2006 PROCUREMENT PROGRAM

EXHIBIT P-1

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

DATE: FEBRUARY 2005

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2004 QUANTITY	FY 2004 COST	FY 2005 QUANTITY	FY 2005 COST	FY 2006 QUANTITY	FY 2006 COST	S E C
BUDGET ACTIVITY 02: PROC AMMO, MC									

MARINE CORPS AMMUNITION									
19	5.56 MM, ALL TYPES	A		22.6		35.0		37.5	U
20	7.62 MM, ALL TYPES	A		6.1		8.7		13.7	U
21	LINEAR CHARGES, ALL TYPES	A		21.3		17.7		38.8	U
22	.50 CALIBER	A		8.1		1.9		34.9	U
23	40 MM, ALL TYPES	A		10.1		25.0		58.1	U
24	60MM, ALL TYPES	A		10.8		12.4		16.2	U
25	81MM, ALL TYPES	A		18.8		25.2		17.2	U
26	120MM, ALL TYPES	A		39.2		15.3		7.2	U
27	CTG 25MM, ALL TYPES	A		3.7		3.7		2.1	U
28	9 MM ALL TYPES	A		2.6		7.6			U
29	GRENADERS, ALL TYPES	A		7.0		5.0		5.3	U
30	ROCKETS, ALL TYPES	A		19.4		21.3			U
31	ARTILLERY, ALL TYPES	A		52.0		55.4		31.8	U
32	EXPEDITIONARY FIGHTING VEHICLE	A				2.5		5.7	U
33	DEMOLITION MUNITIONS, ALL TYPES	A		5.8		3.3		2.4	U
34	FUZE, ALL TYPES	A		4.3		13.8		3.6	U
35	NON LETHALS	B		3.7		1.1		1.1	U
36	AMMO MODERNIZATION	A		4.9		7.1		7.4	U

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DEPARTMENT OF THE NAVY
FY 2006 PROCUREMENT PROGRAM

EXHIBIT P-1

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

DATE: FEBRUARY 2005

		MILLIONS OF DOLLARS							
LINE		IDENT	FY 2004		FY 2005		FY 2006		S
NO	ITEM NOMENCLATURE	CODE	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	E
----	-----	----	-----	-----	-----	-----	-----	-----	C
37	ITEMS LESS THAN \$5 MILLION	A		3.4		1.7		18.2	U
				-----		-----		-----	
	TOTAL PROC AMMO, MC			243.8		263.7		301.3	
				-----		-----		-----	
	TOTAL PROCUREMENT OF AMMO, NAVY & MARINE CORPS			243.8		263.7		301.3	

UNCLASSIFIED

**Fiscal Year 2006 Budget Estimates
Budget Appendix Extract Language**

**PROCUREMENT OF AMMUNITION, NAVY and MARINE CORPS
(PANMC)**

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] *law*, 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, [\$888,340,000] \$872,849,000, to remain available for obligation until September 30, [2007] 2008, *of which \$19,562,000 shall be available for the Navy Reserve and Marine Corps Reserve. (Department of Defense Appropriations Act, 2005.)*

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (101000) 5.56MM, ALL TYPES					
Program Element for Code B Items:					Other Related Program Elements						
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	22.618	34.993	37.452	29.999	30.256	31.634	6.646	35.837		229.435
Description: 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 DODIC AA40 consists of a brass cartridge case, a primer and propellant composition. The Jacketed Frangible cartridge contains a non-toxic, copper, tungsten powder and nylon binder designed to eliminate airborne lead and concerns for disposal. The copper alloy jacket eliminates barrel fouling and gas cutting into barrel and the double base propellant is clean burning. The Cartridge, 5.56mm Ball M855 10/Clip Commercial Pack environmentally friendly (DODIC AA45) will be an alternate to (DODIC A059) primary ball ammunition for the M16A2 Rifle and can be used in the M249 Squad Automatic Weapon (SAW) with a magazine. The M855 Cartridge consists of a brass case, a primer, propellant, and a bullet. The projectile is a pressed tungsten/tin, tungsten/nylon mix. This current cartridge contains a lead primer. The Cartridge, 5.56mm Special Match Molybdenum Coated (DODIC: AA67). This cartridge is in support of the Marine Corps Competition in Arms Program. The Cartridge, 5.56mm 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 M855 Cartridge consists of a brass case, a primer, propellant, and a bullet. The Cartridge, 5.56mm Dummy M199 (DODIC A060) is used in the M16 Rifle series for training personnel in loading or unloading, simulating fire and rifle inspection. The M199 Cartridge contains neither primer nor propellant. The cartridge case has six longitudinal corrugations impressed upon the case for identification and a plain bullet tip. 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 DODIC A062 is linked 5.56mm NATO ammunition. A green tip on the projectile of the M855 Ball ammunition identifies the cartridge. The M27 Link is used to connect the 200 round belts. 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. These cartridges are linked with M27 Links. The M855 and M856 cartridges consist of a brass cartridge case, a primer and propellant. The M855 Ball cartridge has a green bullet tip for identification. The M856 Tracer cartridge has an orange bullet tip for identification. The M856 Tracer cartridge is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact, target designation, or range estimation. 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 M862 Cartridge consists of a brass case, a primer, propellant composition, and a plastic projectile made of a polycarbonate blend. 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 M200 Cartridge is linked with the M27 Metallic Link. 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.											

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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Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2005						
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	FY04			FY05			FY06			FY07		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE:												
CTG, 5.56MM BALL M855) (DODIC A059)												
LOAD ASSEMBLY & PACK (LAP)	16.084	54,209,375	0.30	17.688	47,695,000	0.37	26.371	113,772,000	0.23	26.334	113,612,000	0.23
BOX METAL M2A1 (EACH)	0.719	81,268	8.85	0.791	71,502	11.06	1.179	170,561	6.91	1.177	170,321	6.91
CTG, 5.56MM DUMMY (DODIC A060)												
LOAD ASSEMBLY & PACK (LAP)							0.027	108,000	0.25	0.015	57,692	0.26
CTG, 5.56MM BALL LINKED (DODIC A062)												
LOAD ASSEMBLY & PACK (LAP)				6.987	24,953,125	0.28	0.571	1,978,787	0.29			
CTG, 5.56MM 4 AND 1 LINKED (DODIC A064)												
LOAD ASSEMBLY & PACK (LAP)	0.361	1,121,212	0.33				1.131	3,311,428	0.34			
CTG, 5.56MM BLUE TIP PLASTIC (DODIC A065)												
LOAD ASSEMBLY & PACK (LAP)				0.498	1,069,230	0.48	0.513	4,396,153	0.48			
CTG, 5.56MM BLANK LINKED (DODIC A075)												
LOAD ASSEMBLY & PACK (LAP)	2.237	10,652,173	0.21	1.687	8,034,782	0.21	1.227	5,376,000	0.23			
CTG, 5.56MM BLANK (DODIC A080)												
LOAD ASSEMBLY & PACK (LAP)	1.824	20,260,000	0.09	3.119	34,650,000	0.09	1.799	18,172,727	0.10			
CTG, 5.56MM GREEN AMMO (DODIC AA45)												
LOAD ASSEMBLY & PACK (LAP)				0.705	1,194,029	0.59	0.723	2,000,000	0.36	0.758	2,047,619	0.37
PRODUCT												
INDUSTRIAL STOCK SUPPORT	0.3			0.57			0.489			0.198		
INTERIM TRANSPORTATION	0.047			0.056			0.284			0.069		
PRODUCTION ENGINEERING	0.289			0.897			0.552			0.328		
QUALITY ASSURANCE	0.332			0.429			0.629			0.334		
ACCEPTANCE TESTING				0.329			1.236			0.065		
P-5 TOTAL	22.193			33.756			36.731			29.278		

Exhibit P-5a, Procurement History and Planning			Weapon System		Date: FEBRUARY 2005					
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	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
CTG, 5.56MM BALL M855 (DODIC A059)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2004	54,209,375	0.30	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
FY 2005	47,695,000	0.37	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 04	JAN 05	OCT 05	YES	
FY 2006	113,772,000	0.23	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
FY 2007	113,612,000	0.23	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 07	OCT 07	YES	
BOX METAL M2A1 (EACH)										
FY 2004	81,268	8.85	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
FY 2005	71,502	11.06	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 04	JAN 05	OCT 05	YES	
FY 2006	170,561	6.91	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
FY 2007	170,321	6.91	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 07	OCT 07	YES	
CTG, 5.56MM DUMMY (DODIC A060)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2006	108,000	0.25	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	MAR 06	OCT 06	NO	
FY 2007	57,692	0.26	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	MAR 07	OCT 07	NO	
CTG, 5.56MM BALL LINKED (DODIC A062)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2005	24,953,125	0.28	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 04	MAR 05	OCT 05	YES	
FY 2006	1,978,787	0.29	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	MAR 06	OCT 06	YES	
CTG, 5.56MM 4 AND 1 LINKED (DODIC A064)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2004	1,121,212	0.33	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
FY 2006	3,311,428	0.34	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 04	YES	
CTG, 5.56MM BLUE TIP PLASTIC (DODIC A065)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2005	1,038,461	0.48	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 04	MAR 05	MAR 06	YES	
FY 2006	1,069,230	0.48	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	MAR 06	MAR 07	YES	

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005																	
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition															Weapon System			P-1 Line Item DODIC and Nomenclature: (101000) DODIC: A059 5.56MM, ALL TYPES														
										PRODUCTION RATE					PROCUREMENT LEADTIMES																	
		Manufacturer's Name and Location								MSR		ECON		MAX		ALT Prior to Oct 1		ALT After to Oct 1		Intitital Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure						
Item																																
A059		ALLIANT TECH, INDEP, MO								0		19.4		67.5		4		4		9		9		13		M						
Fiscal Year 2004															Fiscal Year 2005																	
Calendar Year 2004															Calendar Year 2005																	
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		
A059	2004	MC	54.2	0.0	54.2				A									4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.7	0.0		
	2005	MC	47.7	0.0	47.7																A									47.7		
	2006	MC	114.0	0.0	####																									114.0		
	2007	MC	114.0	0.0	####																									114.0		
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		
A059	2004	MC	54.2	54.2	0.0																									0.0		
	2005	MC	47.7	0.0	47.7	4	4	4	4	4	4	4	4	4	4	4	3.7													0.0		
	2006	MC	114.0	0.0	####				A									10	10	10	10	10	10	10	10	10	10	10	4	0.0		
	2007	MC	114.0	0.0	####																A									114.0		

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005																	
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition															Weapon System			P-1 Line Item DODIC and Nomenclature: (101000) DODIC: A059 5.56MM, ALL TYPES														
										PRODUCTION RATE					PROCUREMENT LEADTIMES																	
		Manufacturer's Name and Location								MSR		ECON		MAX		ALT Prior to Oct 1		ALT After to Oct 1		Intitilal Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure						
Item																																
A059		ALLIANT TECH, INDEP, MO								0		19.4		67.5		4		4		9		9		13		M						
										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	
A059		2004	MC	57.8	57.8	0.0																									0.0	
		2005	MC	48.0	48.0	0.0																									0.0	
		2006	MC	114.0	114.0	0.0																									0.0	
		2007	MC	114.0	0.0	####	10	10	10	10	10	10	10	10	10	10	10	4													0.0	
										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	
A059		2004	MC	57.8	57.8	0.0																									0.0	
		2005	MC	48.0	48.0	0.0																									0.0	
		2006	MC	114.0	114.0	0.0																									0.0	
		2007	MC	114.0	114.0	0.0																									0.0	

Exhibit P-40, Budget Item Justification							Date: FEBRUARY 2005				
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	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	6.139	8.674	13.731	7.958	0.090	9.838	5.154	13.884		65.468
Description: Cartridge, 7.62 MM ball (DODIC A102) intermediate designed for AK47 rifle packaged 20 rounds per carton/ 50 cartons per wooden box.											
The Cartridge, 7.62mm Blank M82 Linked (DODIC A111) is used with blank firing attachments to simulate firing during training exercises with the M240 Machine Guns. The M82 Blank Round consists of a brass cartridge case loaded with a primer and propellant composition. The case is shaped approximately to the configuration of the combat cartridge with no bullet. The propellant is held in the case by a wad, and on newer lots the mouth is sealed with purple lacquer and crimped for protection against air and moisture.											
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 M80 and M62 cartridges consist of a lead-styphnate primer and are loaded with propellant composition. The bullets are composed of a metal-clad steel jacket with a lead-antimony slug. The M80 Ball round consists of a brass cartridge case and an unpainted bullet. The M62 Tracer round consists of a brass cartridge case and a bullet with an orange tip for identification. The M62 Tracer round is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact, target designation, or range estimation.											
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. The M80 Ball consists of a brass cartridge case and an unpainted bullet. The cartridge case contains a lead-styphnate primer containing propellant. The bullet is composed of a metal-clad steel jacket with a lead-antimony slug.											
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 M80 and M62 Cartridges consist of a lead-styphnate primer and is loaded with propellant composition. The bullets are composed of a metal-clad steel jacket with a lead-antimony slug. The M80 Ball round consists of a brass cartridge case and an unpainted bullet. The M62 Tracer round consists of a brass cartridge case and a bullet with an orange tip for identification. The M62 Tracer round is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact, target designation, or range estimation.											
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 M118 Round consists of a brass cartridge case, a primer, WC-750 propellant and projectile. The projectile consists of a copper alloy jacket surrounding a lead slug, and has an unpainted bullet.											

Exhibit P-5, Cost Analysis			Date: FEBRUARY 2005									
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	ID Code: A	P-1 Line Item Nomenclature: (102000) 7.62MM, ALL TYPES										
	FY04			FY05			FY06			FY07		
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
CTG, 7.62MM, BLANK LINKED (DODIC A111)												
HARDWARE:												
LOAD ASSEMBLY & PACK (LAP)	1.246	5,191,666	0.24									
CTG, 7.62MM 4 & 1 LINKED (DODIC A131)												
HARDWARE:												
LOAD ASSEMBLY & PACK (LAP)	3.943	9,617,073	0.41	5.696	13,246,511	0.43	7.23	14,755,102	0.49	6.851	13,702,000	0.50
CTG, 7.62MM BALL LINKED (DODIC A143)												
HARDWARE:												
LOAD ASSEMBLY & PACK (LAP)							2.457	5,341,304	0.46			
CTG, 7.62MM, 4 & 1 LINKED (DODIC A151)												
HARDWARE:												
LOAD ASSEMBLY & PACK (LAP)							0.910	2,022,222	0.45	0.455	910,000	0.50
CTG, 7.62MM BALL LONG RANGE (DODIC AA11)												
HARDWARE:												
LOAD ASSEMBLY & PACK (LAP)	0.464	1,031,111	0.45				1.306	2,251,724	0.58			
PRODUCT:												
INDUSTRIAL STOCK SUPPORT	0.201			0.223			0.343			0.279		
PRODUCTION ENGINEERING	0.19			0.191			0.35			0.243		
QUALITY ASSURANCE	0.095			0.107			0.155			0.13		
P-5 Total	6.139			6.217			12.751			7.958		

Exhibit P-5a, Procurement History and Planning			Weapon System		Date: FEBRUARY 2005					
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	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
CTG 7.62 MM BLANK M82 LINKED/M13 (DODIC A111)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2004	5,191,666	0.24	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
CTG 7.62MM 4 BALL/1 TRACER LINKED (DODIC A131)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2004	9,617,073	0.41	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
FY 2005	13,246,511	0.43	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 04	JAN 05	OCT 05	YES	
FY 2006	14,755,102	0.49	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
FY 2007	13,702,000	0.50	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 07	OCT 07	YES	
CTG, 7.62MM BALL LINKED (DODIC A143)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2006	5,341,304	0.46	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
CTG 7.62MM 4 BALL/1 TRACER LINKED (DODIC A151)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2006	2,022,222	0.45	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
FY 2007	910,000	0.50	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 07	OCT 07	YES	
CTG 7.62MM BALL LONG RANGE (DODIC AA11)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2004	1,031,111	0.51	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
FY 2006	2,251,724	0.58	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005																
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition												Weapon System			P-1 Line Item DODIC and Nomenclature: (102000), DODIC: A131, 7.62MM, ALL TYPES, 4 & 1 LINKED																
								PRODUCTION RATE					PROCUREMENT LEADTIMES																		
		Manufacturer's Name and Location						MSR	ECON	MAX	ALT Prior to Oct 1	ALT After to Oct 1	Intitial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure															
Item																															
A131		ALLIANT TECH, INDEPENDANCE, MO						0	19.4	67.5	4	4	9	9	13	M															
Fiscal Year 2004										Fiscal Year 2005																					
								Calendar Year 2004										Calendar Year 2005													
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	
A131	2004	MC	9.61	0.00	9.61				A									0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.00
	2005	MC	13.24	0.00	13.24																A										13.24
	2006	MC	14.76	0.00	14.76																										14.76
	2007	MC	13.70	0.00	13.70																										13.70
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	
A131	2004	MC	9.61	9.61	0.00																										0.00
	2005	MC	13.24	0.00	13.24	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1														0.00
	2006	MC	14.76	0.00	14.76				A									1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6	0.00
	2007	MC	13.70	0.00	13.70																A										13.70

Exhibit P-21, Production Schedule										Date: FEBRUARY 2005																					
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition										Weapon System		P-1 Line Item DODIC and Nomenclature: (102000), DODIC: A131, 7.62MM, ALL TYPES, 4 & 1 LINKED																			
							PRODUCTION RATE					PROCUREMENT LEADTIMES																			
		Manufacturer's Name and Location					MSR	ECON	MAX	ALT Prior to Oct 1	ALT After to Oct 1	Intitial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																
Item																															
A131		ALLIANT TECH, INDEPENDANCE, MO					0	19.4	67.5	4	4	9	9	13	M																
							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
A131		2004	MC	9.61	9.61	0.00																									0.00
		2005	MC	13.24	13.24	0.00																									0.00
		2006	MC	14.76	14.76	0.00																									0.00
		2007	MC	13.70	0.00	13.70	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.5													0.00
							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
A131		2004	MC	9.61	9.61	0.00																									0.00
		2005	MC	13.24	13.24	0.00																									0.00
		2006	MC	14.76	14.76	0.00																									0.00
		2007	MC	13.70	13.70	0.00																									0.00

Exhibit P-40, Budget Item Justification							Date: FEBRUARY 2005				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (103000) LINEAR CHARGES, ALL TYPES						
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	21.310	17.718	38.761	35.000	39.204	35.498	39.397	35.683		262.571
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. It has a tractor motor design which incorporates two forward mounted, rearward facing, exhaust nozzles which are threaded into the motor headcap. 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 M58 is capable of clearing a path up to 46-feet wide and 350-feet long through a minefield. The arresting cable is a nylon rope that provides a standoff distance between the vehicle and the explosion. 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 blocks are sheathed with an outer layer of nylon. The two strands of detonating cord pass through the entire length of the demolition section. The demolition section and the arresting cable are coiled inside the container. Most of the arresting cable is beneath the demolition section. The fuze, which is packaged, is normally on top of the coiled demolition section. 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 inert linear demolition charge is an exact replica of the M58A4 linear demolition charge (i.e., same size, shape, and weight). The arresting cable is a nylon rope that provides a standoff distance between the vehicle and the inert demolition section. The inert demolition section is composed of rubber blocks instead of C4 blocks and a M1147 Inert Fuze is used in place of the M1134 Series Fuze. The blocks are sheathed with an outer layer of nylon. The Linear Demolition Charge M59A1 (DODIC ML25) is a rocket-towed, linear demolition charge designed to provide a clear path for combat vehicles during minefield and barrier breaching operations. The M59 is capable of clearing a path up to 46-feet wide and 350-feet long through a minefield. The arresting cable is a nylon rope that provides a standoff distance between the vehicle and the explosion. 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 blocks are sheathed with an outer layer of nylon. The two strands of detonating cord pass through the entire length of the demolition section. The demolition section and the arresting cable are coiled inside the container. Most of the arresting cable is beneath the demolition section. The fuze, which is packaged, is normally on top of the coiled demolition section. The MK7 MOD2 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.											

Exhibit P-5, Cost Analysis						Date: FEBRUARY 2005						
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	FY04			FY05			FY06			FY07		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
ROCKET MOTOR, 5 INCH (DODIC J143)												
LOAD ASSEMBLE & PACK	1.628	229	7109.17	1.630	221	7375.57						
EC INHIBITING TAPE (LB)	0.019	631	30.11	0.019	609	31.20						
PROPELLANT 5-5 (LB)	0.271	16,826	16.11	0.271	16,238	16.69						
CHG DEMO LINEAR HE (DODIC M913)												
LOAD ASSEMBLE & PACK	2.919	211	13836.97	2.464	157	15694.270	1.663	101	16465.35			
COMP C4 CLASS 3 (LB)	3.292	358,700	9.18	2.779	266,900	10.41	1.875	171,700	10.92			
FUZE, ELECTRIC M1134A4 (EA)	0.354	211	1681.19	0.299	157	1904.46	0.202	101	2000.00			
CHG DEMO LINEAR INERT (DODIC M914)												
COMPLETE ROUND							0.375	15	25000.00			
CHG DEMO LINEAR HE LVT (DODIC ML25)												
LOAD ASSEMBLE & PACK	5.485	318	17248.43	3.486	204	17088.24						
COMP C4 CLASS 3 (LB)	4.324	556,500	7.77	2.748	357,000	7.70						
FUZE, ELECTRIC M1134A4 (EA)	0.588	318	1849.06	0.374	204	1833.33						
APERS OBSTACLE BREACHING SYS (DODIC MN79)												
LOAD ASSEMBLE & PACK	3.299	354	9319.21	4.117	500.00	8234.00	32.02	3,246	9864.45	32.02	3,154	10152.19
PRODUCT												
ACCEPTANCE TESTING	0.046			0.033			0.011					
INTERIM TRANSPORTATION	0.005			0.005								
PRODUCTION ENGINEERING	0.364			0.376			1.999			1.941		
QUALITY ASSURANCE	0.283			0.283			1.080			1.039		
GOVERNMENT FURNISHED MATERIAL	-1.567			-1.166			-0.464					
TOTAL	21.310			17.718			38.761			35.000		

BLIN: 103000

Exhibit P-5a, Procurement History and Planning			Weapon System			Date: FEBRUARY 2005				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Line (103000)	Item Nomenclature: LINEAR CHARGES, ALL TYPES				
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
ROCKET MOTOR, 5 INCH (DODIC J143)										
LAP COMPLETE ROUND J143										
FY 2004	229	7109.17	JMC, ROCK ISLAND, IL	C/FFP	NSWC, INDIAN HEAD, MD	OCT 03	DEC 03	OCT 05	YES	
FY 2005	221	7375.57	JMC, ROCK ISLAND, IL	C/FFP	NSWC, INDIAN HEAD, MD	OCT 04	DEC 04	OCT 06	YES	
EC INHIBITING TAPE (LB)										
FY 2004	631	30.11	JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, RADFORD, VA	OCT 03	DEC 03	OCT 05	YES	
FY 2005	609	31.20	JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, RADFORD, VA	OCT 04	DEC 04	OCT 06	YES	
PROPELLANT N-5 (LB)										
FY 2004	16,826	16.11	JMC, ROCK ISLAND, IL	C/FFP	BAE HOLSTON AAP, KINGSPORT, TN	OCT 03	DEC 03	OCT 05	YES	
FY 2005	16,238	16.69	JMC, ROCK ISLAND, IL	C/FFP	BAE HOLSTON AAP, KINGSPORT, TN	OCT 04	DEC 04	OCT 06	YES	
CHG DEMO LINEAR (DODIC M913)										
LAP COMPLETE ROUND M913										
FY 2004	211	13836.97	JMC, ROCK ISLAND, IL	C/FFP	American Ordnance MILAN, TN	OCT 03	MAR 04	AUG 05	YES	
FY 2005	157	15694.27	JMC, ROCK ISLAND, IL	C/FFP	American Ordnance MILAN, TN	OCT 04	MAR 05	AUG 06	YES	
FY 2006	101	16465.35	JMC, ROCK ISLAND, IL	C/FFP	American Ordnance MILAN, TN	UNKNOWN	MAR 06	AUG 07	YES	
COMP C4 CLASS 3 (LB)										
FY 2004	358,700	9.18	JMC, ROCK ISLAND, IL	C/FFP	BAE HOLSTON AAP, KINGSPORT, TN	OCT 03	MAR 04	AUG 05	YES	
FY 2005	266,900	10.41	JMC, ROCK ISLAND, IL	C/FFP	BAE HOLSTON AAP, KINGSPORT, TN	OCT 04	MAR 05	AUG 06	YES	
FY 2006	171,700	10.92	JMC, ROCK ISLAND, IL	C/FFP	BAE HOLSTON AAP, KINGSPORT, TN	UNKNOWN	MAR 06	AUG 07	YES	
FUZE, ELECTRIC M1134A4 (EA)										
FY 2004	211	1681.19	JMC, ROCK ISLAND, IL	C/FFP	CRANE AAP, CRANE, IN	OCT 03	MAR 04	AUG 05	YES	
FY 2005	157	1904.46	JMC, ROCK ISLAND, IL	C/FFP	CRANE AAP, CRANE, IN	OCT 04	MAR 05	AUG 06	YES	
FY 2006	101	2000.00	JMC, ROCK ISLAND, IL	C/FFP	CRANE AAP, CRANE, IN	UNKNOWN	MAR 06	AUG 07	YES	
CHG DEMO LINEAR INERT (DODIC M914)										
LAP COMPLETE ROUND M914										
FY 2007	15	25000.00	JMC, ROCK ISLAND, IL	C/FFP	American Ordnance MILAN, TN	UNKNOWN	APR 06	MAY 07	NO	

Exhibit P-5a, Procurement History and Planning				Weapon System		Date: FEBRUARY 2005				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Line Item Nomenclature: (103000) LINEAR CHARGES, ALL TYPES					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
CHG DEMO LINEAR (DODIC ML25)										
LAP COMPLETE ROUND ML25										
FY 2004	318	17248.43	JMC, ROCK ISLAND, IL	C/FFP	AMERICAN ORDNANCE MILAN, TN	OCT 03	MAR 04	AUG 05	YES	
FY 2005	204	17088.24	JMC, ROCK ISLAND, IL	C/FFP	AMERICAN ORDNANCE MILAN, TN	OCT 04	MAR 05	AUG 06	YES	
COMP C4 CLASS 3 (LB)										
FY 2004	556,500	7.77	JMC, ROCK ISLAND, IL	C/FFP	BAE HOLSTON AAP, KINGSPORT, TN	OCT 03	MAR 04	AUG 05	YES	
FY 2005	357,000	7.70	JMC, ROCK ISLAND, IL	C/FFP	BAE HOLSTON AAP, KINGSPORT, TN	OCT 04	MAR 05	AUG 06	YES	
FUZE, ELECTRIC M1134A4 (EA)										
FY 2004	318	1849.06	JMC, ROCK ISLAND, IL	C/FFP	CRANE AAP CRANE, IN	OCT 03	MAR 04	AUG 05	YES	
FY 2005	204	1833.33	JMC, ROCK ISLAND, IL	C/FFP	CRANE AAP CRANE, IN	OCT 04	MAR 05	AUG 06	YES	
APERS OBSTACLE BREACHING SYS (DODIC MN79)										
LAP COMPLETE ROUND MN79										
FY 2004	354	9319.21	MCSC, QUANTICO, VA	C/FFP	ENSIGN-BICKFORD GRAHAM, KY	OCT 03	DEC 03	JUN 04	YES	
FY 2005	500	8234.00	MCSC, QUANTICO, VA	C/FFP	ENSIGN-BICKFORD GRAHAM, KY	OCT 04	DEC 04	JUN 05	YES	
FY 2006	3,246	9873.57	MCSC, QUANTICO, VA	C/FFP	UNKNOWN	UNKNOWN	DEC 05	JUN 06	YES	
FY 2007	3,154	10158.63	MCSC, QUANTICO, VA	C/FFP	UNKNOWN	UNKNOWN	DEC 06	JUN 07	YES	

Exhibit P-5a

Exhibit P-21, Production Schedule														Date: FEBRUARY 2005																	
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition														Weapon System		P-1 Line Item DODIC and Nomenclature: (103000) DODIC: MN79, APERS OBSTACLE BREACHING SYS															
										PRODUCTION RATE					PROCUREMENT LEADTIMES																
Item				Manufacturer's Name and Location						MSR	ECON	MAX	ALT Prior to Oct 1		ALT After to Oct 1		Intitial Mfg PLT		Reorder Mfg PLT		Total	Unit of Measure									
MN79				ENSIGN-BICKFORD SIMSBURY, CT						0.1	1.5	0.3	3		3		6		6		9	K									
										Fiscal Year 2004										Fiscal Year 2005											
										Calendar Year 2004										Calendar Year 2005											
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	
MN79	04	MC	0.35	0.00	0.35			A						0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02					0.00	
	05	MC	0.50	0.00	0.50															A							0.04	0.04	0.04	0.04	0.34
	06	MC	3.25	0.00	3.25																										3.25
	07	MC	3.15	0.00	3.15																										3.15
										Fiscal Year 2006										Fiscal Year 2007											
										Calendar Year 2006										Calendar Year 2007											
	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	
MN79	04	MC	0.35	0.00	0.00																										0.00
	05	MC	0.50	0.16	0.34	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.06																		0.00
	06	MC	3.25	0.00	3.25			A						0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.28					0.00
	07	MC	3.15	0.00	3.15															A							0.26	0.26	0.26	0.26	2.11

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005																		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition										Weapon System					P-1 Line Item DODIC and Nomenclature: (103000) DODIC: MN79, APERS OBSTACLE BREACHING SYS																		
								PRODUCTION RATE					PROCUREMENT LEADTIMES																				
Item				Manufacturer's Name and Location				MSR		ECON		MAX		ALT Prior to Oct 1		ALT After to Oct 1		Intitial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure									
MN79				ENSIGN-BICKFORD SIMSBURY, CT				0.1		1.5		3		3		3		6		6		9		K									
								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
MN79				04	MC	0.35	0.35	0.00																									0.00
				05	MC	0.50	0.50	0.00																									0.00
				06	MC	3.25	3.25	0.00																									0.00
				07	MC	3.15	1.04	2.11	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.29																	0.00
								Fiscal Year 2010								Fiscal Year 2011																	
								Calendar Year 2010								Calendar Year 2011																	
				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
Item																																	
MN79				04	MC	0.35	0.35	0.00																									0.00
				05	MC	0.50	0.50	0.00																									0.00
				06	MC	3.25	3.25	0.00																									0.00
				07	MC	3.15	3.15	0.00																									0.00

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Exhibit P-21

BLIN: 103000

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Production Schedule

Exhibit P-40, Budget Item Justification							Date: FEBRUARY 2005				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (104000) .50 CALIBER						
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	8.058	1.891	34.882	6.471	20.617	39.221	9.425	23.027		143.592
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 cartridges are 5.45 inches long with a brass case and are linked together with the M2 cartridge link, 100 rounds to a belt. The projectile is a steel core bullet with a copper-alloy jacket. The Bare copper (non-painted) projectile tip identifies the M33 Cartridge.											
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 cartridges are linked with the M2 Link. The cartridges are 5.45 inches long with a brass case and are linked four M8 Armor Piercing Incendiary cartridges to one M20 Armor Piercing Incendiary Tracer cartridge. The projectile for the M8 Cartridge is a metal-jacketed bullet with a hardened core of manganese-molybdenum steel, a point filler incendiary composition and a base filler seal of lead antimony. The projectile for the M20 Cartridge is similar to the M8 Bullet but with a tracer element. An aluminum-colored tip on the projectile identifies the M8 Cartridge and a red tip with aluminum-colored stripe to the rear of the red tip identifies the M20 Cartridge.											
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 4 API M8/1 API-T M20 Linked (DODIC X576) is used in M2 .50 caliber Machine Guns against armored targets in a training unique environment. This cartridge is certified for overhead fire of unprotected friendly troops. The cartridge will provide the same capability as DODIC A576, which upon impact with the target, the incendiary mixture bursts into flames and ignites the flammable material.											
The Cartridge, Caliber .50 API Single Round (DODIC X606) is used in the M82A3 Special Application Scoped Rifle (SASR) sniper rifle against armored targets in a training unique environment. This cartridge is certified for overhead fire of unprotected friendly troops. The cartridge will provide the same capability as DODIC A606, which provides penetration, fragmentation, and fire starting capabilities upon impact of target.											

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2005						
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	FY04			FY05			FY06			FY07		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
CTG, .50 CAL BALL LINKED (DODIC A555)												
LOAD ASSEMBLY & PACK (LAP)	1.263	774,846	1.63				0.434	252,325	1.72			
CTG, .50 CAL API 4 & 1 LINKED (DODIC A576)												
LOAD ASSEMBLY & PACK (LAP)	6.174	2,756,250	2.24	1.795	690,384	2.600	26.521	12,055,000	2.20			
BOX METAL M2A1 (EACH)	0.255	2,849	8.95	0.073	54,887	10.33	1.081	122,840	8.80			
CTG, .50 CAL BLANK LINKED (DODIC A598)												
LOAD ASSEMBLY & PACK (LAP)	0.202	325,806	0.62									
CTG, .50 CAL API 4 & 1 LINKED CLR F/OVHD FIRE (DODIC X576)												
LOAD ASSEMBLY & PACK (LAP)							4.553	2,742,771	1.66	4.553	2,662,573	1.71
PRODUCT												
INDUSTRIAL STOCK SUPPORT	0.017			0.002			0.39			0.36		
INTERIM TRANSPORTATION	0.006			0.002			0.027					
PRODUCTION ENGINEERING	0.113			0.016			0.417			0.164		
QUALITY ASSURANCE	0.028			0.003			1.215			1.15		1.674
TOTAL	8.058			1.891			34.638			6.227		

Exhibit P-5a, Procurement History and Planning			Weapon System		Date: FEBRUARY 2005					
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	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
CTG, 50 CAL BALL LINKED (DODIC A555)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2004	774,846	1.63	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
FY 2006	252,325	1.72	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
CTG, 50 CAL API 4 & 1 LINKED (DODIC A576)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2004	2,756,250	2.24	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
FY 2005	690,384	2.60	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 04	JAN 05	OCT 05	YES	
FY 2006	12,055,000	2.20	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
BOX METAL M2A1 (EACH)										
FY 2004	2,849	8.95	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
FY 2005	54,887	10.33	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 04	JAN 05	OCT 05	YES	
FY 2006	122,840	8.80	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
CTG, 50 CAL BLANK LINKED (DODIC A598)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2004	325,806	0.62	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
CTG, 50 CAL API 4 & 1 LINKED CLR F/OVHD FIRE (DODIC X576)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2006	2,742,771	1.66	CRANE NWS, IN	SS/FP	UNKNOWN	UNKNOWN	JAN 06	OCT 06	YES	
FY 2007	2,662,573	1.71	CRANE NWS, IN	SS/FP	UNKNOWN	UNKNOWN	JAN 07	OCT 07	YES	

Exhibit P-21, Production Schedule														Date: FEBRUARY 2005																	
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition										Weapon System		P-1 Line Item DODIC and Nomenclature: (104000) DODIC: A576, CTG, .50 CALIBER API 4 & 1 LINKED																			
								PRODUCTION RATE				PROCUREMENT LEADTIMES																			
		Manufacturer's Name and Location								MSR	ECON	MAX	ALT Prior to Oct 1	ALT After to Oct 1	Intitial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure													
Item																															
A576		ALLIANT TECH, INDEP, MO								0	1.15	3.96	4	4	9	9	13	M													
								Fiscal Year 2004								Fiscal Year 2005															
								Calendar Year 2004								Calendar Year 2005															
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	
A576	2004	MC	2.76	0.00	2.76				A									0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.00	
	2005	MC	0.69	0.00	0.69																A									0.69	
	2006	MC	12.06	0.00	12.06																									12.06	
	2007	MC	0.00	0.00	0.00																									0.00	
								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	
A576	2004	MC	2.76	2.76	0.00																									0.00	
	2005	MC	0.69	0.00	0.69	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.03													0.00	
	2006	MC	12.06	0.00	12.06				A									1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.06	0.00
	2007	MC	0.00	0.00	0.00																									0.00	

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (105000) 40MM, ALL TYPES					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	10,125	25,017	58,148	55,236	51,164	53,052	66,960	60,566		380,268
Description: This line includes 40mm Cartridges, All Types. This ammunition includes the following specific cartridges: DODIC B430 is an interim DODIC. The program is engineering support required to prepare the Weapons Systems Explosives Safety Review Board documentation to procure an improved variant of the 40mm M430 High Explosive Dual Purpose Cartridge (DODIC B646). 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 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 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.											

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (105000) 40MM, ALL TYPES					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	10,125	25,017	58,148	55,236	51,164	53,052	66,960	60,566		380,268
Description Continuation: The Cartridge, 40mm Practice M385A1 (DODIC B576) 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, 40mm Blank Saluting (DODIC B650) is fired from a 40mm Saluting Gun and is used for ceremonial and training purposes. The cartridge contains flash charge designed to produce a loud report when fired. 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).											

Exhibit P-40a, Budget Item Justification for Aggregated Items										Date:	FEBRUARY 2005
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (105000) 40MM, ALL TYPES					
Procurement Items	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
CTG, 40MM FCT PROGRAM (DODIC B430)		0.519	0.000	0.000	0.000						
QTY											
P-40a Total		0.519	0.000	0.000	0.000						

Exhibit P-5, Cost Analysis								Date: FEBRUARY 2005				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	ID Code: A	P-1 Line Item Nomenclature: (105000) 40MM, ALL TYPES										
		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
CTG, 40MM PRACTICE M781 (DODIC B519)												
COMPLETE ROUND	2.000	378,071	4.800	2.721	572,519	4.750	5.009	1,232,812	4.060	0.351	84,497	4.150
CTG, 40MM WHITE STAR PARA M583 (DODIC B535)												
COMPLETE ROUND				0.939	26,824	35.000						
CTG, 40MM HEDP LINKED MK19 (DODIC B542)												
LAP, CTG, 40MM, HEDP M433				9.141	604,563	15.120	23.322	1,532,325	15.220	23.670	1,512,460	15.650
BANDOLEER (EA)				0.212	76,534	2.770	0.716	256,630	2.790	0.727	253,310	2.870
COMP A-5 CLASS 1 (LB)				0.194	45,327	4.280	0.655	151,972	4.310	0.665	150,112	4.430
COMP CH-6 (LB)				0.007	367	19.070	0.024	1,232	19.480	0.024	1,215	19.750
DET STAB M55 (EA)				0.313	474,242	0.660	1.057	1,601,515	0.660	1.073	1,577,941	0.680
FZ PIBD M550 MPTS (EA)				3.146	470,254	6.690	10.627	1,579,049	6.730	10.786	1,556,421	6.930
LAP SPITBACK ASSY F/M433(EA)				0.015	10,204	1.470	0.051	34,228	1.490	0.051	3,774	1.510
LAP TEST VEHICLE F/M433 (EA)				0.099	10,227	9.680	0.334	34,326	9.730	0.339	33,866	10.010
LEAD AZIDE (SP) (LB)				0.002	47	42.550	0.007	158	44.300	0.007	156	44.870
M9.003 FLAKE F/40MM (LB)				0.024	370	64.860	0.081	1,241	65.220	0.082	1,224	66.940
RDX TYPE II CLASS 3(LB)				0.002	47	42.550	0.007	158	44.300	0.007	156	44.870
CTG, 40MM HEDP M433 (DODIC B546)												
COMPLETE ROUND	3.345	82,450	40.570	3.473	92,219	37.660				1.878	26,540	70.760
CTG, 40MM BLANK SALUTING (DODIC B650)												
COMPLETE ROUND, 40MM BLANK SALUTE										0.207	3,309	62.55
CTG, 40MM PRACTICE LINKED MK19 (DODIC B576)												
COMPLETE ROUND												
CTG, 40MM PRACTICE (DODIC BA12)												
COMPLETE ROUND	3.996	216,000	18.50	4.234	227,756	18.59	11.839	618,547	19.14	12.002	608,620	19.72
PRODUCT												
INDUSTRIAL STOCK SUPPORT	0.045			0.083			0.162			0.047		
ACCEPTANCE TESTING	0.021			0.021			0.059			0.059		
PRODUCTION ENGINEERING	0.139			0.293			3.988			3.150		
QUALITY ASSURANCE	0.060			0.098			0.210			0.111		
P-5 Total	9.606			25.017			58.148			55.236		

Exhibit P-5a, Procurement History and Planning			Weapon System		Date: FEBRUARY 2005					
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	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
CTG 40MM PRACTICE M781 (DODIC B519)										
LAP, COMPLETE ROUND										
FY 2004	378,071	4.800	JMC,ROCK ISLAND,IL	C/FFP	MAST TECHNOLOGIES LAS VEGAS, NV	OCT 03	DEC 03	MAR 05	YES	
FY 2005	572,519	4.750	JMC,ROCK ISLAND,IL	C/FFP	MAST TECHNOLOGIES LAS VEGAS, NV	OCT 04	DEC 04	MAR 06	YES	
FY 2006	1,232,812	4.060	JMC,ROCK ISLAND,IL	C/FFP	MAST TECHNOLOGIES LAS VEGAS, NV	OCT 05	DEC 05	MAR 07	YES	
FY 2007	84,497	4.150	JMC,ROCK ISLAND,IL	C/FFP	MAST TECHNOLOGIES LAS VEGAS, NV	UNKNOWN	DEC 06	MAR 08	YES	
CTG 40MM WHITE STAR PARA (DODIC B535)										
LAP, COMPLETE ROUND										
FY 2005	26,824	35.00	JMC, ROCK ISLAND, IL	C/FFP	MARTIN. PERRY, FL	OCT 04	DEC 04	MAR 06	YES	
CTG 40MM HEDP LINKED FOR MK 19 (DODIC B542)										
LAP, CTG, 40MM, HEDP M433										
FY 2005	604,563	15.12	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	1,532,325	15.22	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	1,512,460	15.65	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	
BANDOLEER (EA)										
FY 2005	76,534	2.77	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	256,630	2.79	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	253,310	2.87	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	
COMP A-5 CLASS 1 (LB)										
FY 2005	45,327	4.28	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	151,972	4.31	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	150,112	4.43	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	
COMP CH-6 (LB)										
FY 2005	367	19.07	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	1,232	19.48	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	1,215	19.75	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	

Exhibit P-5a, Procurement History and Planning				Weapon System		Date: FEBRUARY 2005				
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	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
CTG 40MM HEDP LINKED FOR MK 19 (DODIC B542)										
DET STAB M55 (EA)										
FY 2005	474,242	0.66	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	1,601,515	0.66	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	1,577,941	0.68	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	
FZ PIBD M550 MPTS (EA)										
FY 2005	470,254	6.69	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	1,579,049	6.73	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	1,556,421	6.93	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	
LAP SPITBACK ASSY F/M433(EA)										
FY 2005	10,204	1.47	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	34,228	1.49	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	3,774	1.51	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	
LAP TEST VEHICLE F/M433 (EA)										
FY 2005	10,227	9.68	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	34,326	9.73	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	33,866	10.01	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	
LEAD AZIDE (SP) (LB)										
FY 2005	47	42.55	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	158	44.30	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	156	44.87	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	
M9.003 FLAKE F/40MM (LB)										
FY 2005	370	64.86	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	1,241	65.22	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	1,224	66.94	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	
RDX TYPE II CLASS 3(LB)										
FY 2005	47	42.55	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	158	44.30	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	156	44.87	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	
CTG 40MM HEDP FOR M79/M203 (DODIC B546)										
LAP, COMPLETE ROUND										
FY 2005	82,450	40.57	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	OCT 04	MAR 05	APR 06	YES	
FY 2006	92,219	37.66	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 06	Apr 07	YES	
FY 2007	26,540	70.76	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 07	APR 08	YES	
CTG, 40MM BLANK SALUTING (DODIC B650)										
COMPLETE ROUND										
FY 2007	3,309	62.55	UNKNOWN	C/FFP	UNKNOWN	UNKNOWN	DEC 06	JUN 08	NO	
CTG 40MM PRACTICE (DODIC BA12)										
COMPLETE ROUND										
FY 2004	216,000	18.50	NSWC, DAHLGREN, VA	C/FFP	NICO, GERMANY	JUL 04	SEP 04	SEP 05	YES	
FY 2005	227,756	18.59	NSWC, DAHLGREN, VA	C/FFP	NICO, GERMANY	JUL 05	SEP 05	SEP 06	YES	
FY 2006	618,547	19.14	NSWC, DAHLGREN, VA	C/FFP	NICO, GERMANY	UNKNOWN	SEP 06	SEP 07	YES	
FY 2007	608,620	19.72	NSWC, DAHLGREN, VA	C/FFP	NICO, GERMANY	UNKNOWN	SEP 07	SEP 08	YES	

Exhibit P-21, Production Schedule														Date: FEBRUARY 2005																			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition										Weapon System				P-1 Line Item DODIC and Nomenclature: (105000) DODIC: B542, 40MM, ALL TYPES, HEDP LINKED FOR MK19																			
								PRODUCTION RATE						PROCUREMENT LEADTIMES																			
Item				Manufacturer's Name and Location				MSR		ECON		MAX		ALT Prior to Oct 1		ALT After to Oct 1		Intitial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure									
B542				TO BE SELECTED				27		50		100		6		6		16		16		22		M									
								Fiscal Year 2004										Fiscal Year 2005															
								Calendar Year 2004										Calendar Year 2005															
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
B542				04	MC	0.00	0.00	0.00																								0.00	
				05	MC	0.60	0.00	0.60																		A						0.60	
				06	MC	1.53	0.00	1.53																								1.53	
				07	MC	1.51	0.00	1.52																								1.52	
								Fiscal Year 2006										Fiscal Year 2007															
								Calendar Year 2006										Calendar Year 2007															
				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
B542				04	MC	0.00	0.00	0.00																								0.00	
				05	MC	0.60	0.00	0.60										0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05				0.00
				06	MC	1.53	0.00	1.53						A																###	0.13	0.13	1.14
				07	MC	1.51	0.00	1.51																		A							1.51

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005																		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition										Weapon System					P-1 Line Item DODIC and Nomenclature: (105000) DODIC: B542, 40MM, ALL TYPES, HEDP LINKED FOR MK19																		
							PRODUCTION RATE					PROCUREMENT LEADTIMES																					
Item			Manufacturer's Name and Location				MSR	ECON	MAX	ALT Prior to Oct 1			ALT After to Oct 1			Intitial Mfg PLT		Reorder Mfg PLT		Total	Unit of Measure												
B542			TO BE SELECTED				27	50	100	6			6			16		16		22	M												
							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	
B542			04	MC	0.00	0.00	0.00																								0.00		
			05	MC	0.60	0.60	0.00																								0.00		
			06	MC	1.53	0.39	1.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.10															0.00		
			07	MC	1.51	0.00	1.51										0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.08				0.00	
							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
B542			04	MC	0.00	0.00	0.00																								0.00		
			05	MC	0.60	0.60	0.00																								0.00		
			06	MC	1.53	1.53	0.00																								0.00		
			07	MC	1.51	1.51	0.00																								0.00		

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005																			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition															Weapon System					P-1 Line Item DODIC and Nomenclature: (105000) DODIC: BA12, 40MM, ALL TYPES, PRACTICE														
										PRODUCTION RATE					PROCUREMENT LEADTIMES																			
Item					Manufacturer's Name and Location					MSR		ECON		MAX		ALT Prior to Oct 1		ALT After to Oct 1		Intitial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure								
BA12					NICO PYROTECHNIK TRITTAU, GERMANY					10		40		80		3		3		12		12		15		M								
										Fiscal Year 2004										Fiscal Year 2005														
										Calendar Year 2004										Calendar Year 2005														
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
BA12					04	MC	0.22	0.00	0.22												A											0.02	0.20	
					05	MC	0.23	0.00	0.23																						A	0.21		
					06	MC	0.62	0.00	0.62																							0.62		
					07	MC	0.61	0.00	0.61																							0.61		
										Fiscal Year 2006										Fiscal Year 2007														
										Calendar Year 2006										Calendar Year 2007														
					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
BA12					04	MC	0.22	0.22	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01													0.00	
					05	MC	0.23	0.00	0.23												0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01		0.00	
					06	MC	0.62	0.00	0.62												A											0.05	0.57	
					07	MC	0.61	0.00	0.61																						A	0.60		

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005															
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition										Weapon System					P-1 Line Item DODIC and Nomenclature: (105000) DODIC: BA12, 40MM, ALL TYPES, PRACTICE															
						PRODUCTION RATE					PROCUREMENT LEADTIMES																			
Item			Manufacturer's Name and Location			MSR		ECON		MAX		ALT Prior to Oct 1		ALT After to Oct 1		Intitial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure								
BA12			NICO PYROTECHNIK TRITTAU, GERMANY			10		40		80		3		3		12		12		15		M								
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
BA12	04	MC	0.22	0.22	0.00																								0.00	
	05	MC	0.23	0.23	0.00																								0.00	
	06	MC	0.62	0.05	0.57	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07													0.00	
	07	MC	0.61	0.61	0.60												0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.00	
Fiscal Year 2010										Fiscal Year 2011																				
Calendar Year 2010										Calendar Year 2011																				
	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
BA12	04	MC	0.22	0.22	0.00																								0.00	
	05	MC	0.23	0.23	0.00																								0.00	
	06	MC	0.62	0.62	0.00																								0.00	
	07	MC	0.61	0.61	0.00																								0.00	

Exhibit P-40, Budget Item Justification							Date: FEBRUARY 2005				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition							P-1 Item Nomenclature: (108300) 60MM, ALL TYPES				
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	10,781	12,398	16,224	16,423	16,382	22,558	10,764	9,262		114,792
Description: This line includes 60mm Mortar Ammunition, All Types. FY04 funding includes Congressional plus-ups to support current operations. The Cartridge, 60mm High Explosive M720 (DODIC B642) is a high explosive round for use in the M224 Lightweight Company Mortar System. It is intended for use against personnel and light materiel targets. 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 High Explosive M720A1 (DODIC BA16) with M734A1 Multi-Option Fuze (MOFA) is a high explosive round for use in the 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 round for use in the 60mm M224 Lightweight Company Mortar System. It is intended for spotting purposes. Funds for this item are included in the outyear totals for this line item.											

Exhibit P-5, Cost Analysis				Date: FEBRUARY 2005									
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition		ID Code: A	P-1 Line Item Nomenclature: (108300) 60MM, ALL TYPES										
		FY04			FY05			FY06			FY07		
WBS COST ELEMENTS		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE:													
CTG, 60MM HE M720 W/MOF (DODIC B642)													
LAP, CTG, 60MM, M720					1.701	23,204	73.29						
FIN ASSEMBLY M27					0.175	23,204	7.56						
FUZE, M0, M734A1					5.537	23,204	238.64						
IGNITION CTG, 60MM, M702					0.429	23,204	18.48						
PROPELLANT CHARGE, 60MM M235					0.653	92,816	7.04						
SHELL BODY, 60MM, HE, M720A1/M768					1.155	23,204	49.79						
CTG, 60MM HE M888 (DODIC B643)													
LAP, CTG, 60MM, M720A1		2.271	65,066	34.90									
COMP A-5 CLASS 1(LB)		0.025	1,951	12.80									
COMP B TYPE 1 GRADE A (LB)		0.081	33,612	2.41									
NITROCELLULOSE WW GR A (LB)		0.145	2,148	67.55									
RDX TYPE II CLASS 3 (LB)		0.416	26,066	15.99									
TNT TYPE I FLAKE (LB)		0.058	26,026	2.22									
CONTAINER ASSY M204 (EA)		0.93	262,866	3.54									
FUZE MPTS M935		1.708	67,688	25.16									
LAP CHG PROP M204		0.35	262,866	1.33									
M10 FLAKE .008 (LB)		0.156	5,207	29.96									
M27 FIN ASSEMBLY		0.594	67,668	8.79									
M207 INGNITION CARTRIDGE		0.964	67,668	14.25									
M720 PROJ MPTS		0.868	67,668	14.83									
M9 FLAKE .008 (LB)		0.044	520	86.96									
M935 FUZE		1.351	53,696	25.16									
PRODUCT													
ACCEPTANCE TESTING		0.025			0.451								
PRODUCTION ENGINEERING		0.085			0.282								
QUALITY ASSURANCE		0.027			1.455								
INTERIM TRANSPORTATION		0.015			0.560								
INDUSTRIAL STOCK SUPPORT		0.047											
GOVERNMENT FURNISHED MATERIAL		-0.769											
Sub Total		9.391			12.398			0.000			0.000		

Exhibit P-5, Cost Analysis									Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			ID Code: A	P-1 Line Item Nomenclature: (108300) 60MM, ALL TYPES										
WBS COST ELEMENTS			FY04			FY05			FY06			FY07		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE:														
CTG, 60MM HE M720A1 W/MOF (DODIC BA16)														
LAP, CTG, 60MM, M720A1			0.213	3,000	71.00				2.486	24,544	101.29	2.516	24,401	103.11
FIN ASSEMBLY M27			0.02	3,120	6.41				0.233	25,526	9.13	0.236	25,377	9.30
FUZE, MO, M734A1			0.645	3,120	206.73				7.528	25,526	294.91	7.621	25,377	300.31
IGNITION CTG, 60MM, M702			0.05	3,120	16.03				0.584	25,524	22.88	0.591	25,377	23.29
PROPELLANT CHARGE, 60MM M235			0.075	12,295	6.10				0.875	100,574	8.70	0.886	100,112	8.85
SHELL BODY, 60MM, HE, M720A1/M768			0.135	3,120	43.27				1.576	25,526	61.74	1.595	25,369	62.87
PRODUCT														
ACCEPTANCE TESTING			0.027						0.315			0.32		
PRODUCTION ENGINEERING			0.169						1.973			1.997		
QUALITY ASSURANCE			0.048						0.561			0.57		
INTERIM TRANSPORTATION			0.008						0.093			0.10		
Sub Total			1.390			0.000			16.224			16.423		
P-5 Total			10.781			12.398			16.224			16.423		

Exhibit P-5a, Procurement History and Planning				Weapon System		Date: FEBRUARY 2005				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Line Item Nomenclature: (108300) 60MM, ALL TYPES					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
CTG, 60MM HE M720 W/MOF (DODIC B642)										
FY 2005										
LAP, CTG, 60MM, M720A1	23,204	73.29	JMC, ROCK ISLAND, IL	C/FP	AMERICAN ORDNANCE MILAN TN	OCT 04	DEC 04	SEP 06	YES	
FIN ASSEMBLY M27	23,204	7.56	JMC, ROCK ISLAND, IL	C/FP	WILKINSON PT CALHOUN, NE	OCT 04	DEC 04	SEP 06	YES	
FUZE, M0, M734A1	23,204	238.64	JMC, ROCK ISLAND, IL	C/FP	BULOVA LANCASTER, PA	OCT 04	DEC 04	SEP 06	YES	
IGNITION CTG, 60MM, M702	23,204	18.48	JMC, ROCK ISLAND, IL	C/FP	AMERICAN ORDNANCE MILAN TN	OCT 04	DEC 04	SEP 06	YES	
PROPELLANT CHARGE, 60MM, M235	92,816	7.04	JMC, ROCK ISLAND, IL	C/FP	AMERICAN ORDNANCE MILAN TN	OCT 04	DEC 04	SEP 06	YES	
SHELL BODY, 60MM, HE, M720A1/M768	23,204	49.79	JMC, ROCK ISLAND, IL	C/FP	MEDICO WILKES-BARRE, PA	OCT 04	DEC 04	SEP 06	YES	
CTG, 60MM HE M888 (DODIC B643)										
FY 2004										
LAP	65,066	34.90	JMC, ROCK ISLAND, IL	SS/FP	AMERICAN ORDNANCE MILAN TN	OCT 03	MAR 04	SEP 06	YES	
COMP A-5 CLASS 1 (LB)	1,951	12.80	JMC, ROCK ISLAND, IL	TBS/TBS	GFM	OCT 03	MAR 04	SEP 06	YES	
COMP B TYPE I GRADE A (LB)	33,612	2.41	JMC, ROCK ISLAND, IL	TBS/TBS	GFM	OCT 03	MAR 04	SEP 06	YES	
NITROCELLULOSE WW BR A (LB)	2,148	67.55	JMC, ROCK ISLAND, IL	TBS/TBS	GFM	OCT 03	MAR 04	SEP 06	YES	
RDX TYPE II CLASS 3 (LB)	26,066	15.99	JMC, ROCK ISLAND, IL	TBS/TBS	GFM	OCT 03	MAR 04	SEP 06	YES	
TNT TYPE I FLAKE (LB)	26,066	2.22	JMC, ROCK ISLAND, IL	TBS/TBS	GFM	OCT 03	MAR 04	SEP 06	YES	
CONTAINER ASSY M204 (EA)	262,866	3.54	JMC, ROCK ISLAND, IL	SS/FP	ARMTEC CHOCELLA CA	OCT 03	MAR 04	SEP 06	YES	
FUZE MPTS M935	67,688	25.16	JMC, ROCK ISLAND, IL	SS/FP	BULOVA LANCASTER, PA	OCT 03	MAR 04	SEP 06	YES	
LAP CHG PROP M204	262,866	1.33	JMC, ROCK ISLAND, IL	SS/FP	AMERICAN ORDNANCE MILAN TN	OCT 03	MAR 04	SEP 06	YES	
M10 FLAKE .008 (LB)	5,207	29.96	JMC, ROCK ISLAND, IL	SS/FP	ALLINANT RADFORD, VA	OCT 03	MAR 04	SEP 06	YES	
M27 FIN ASSEMBLY	67,668	8.79	JMC, ROCK ISLAND, IL	SS/FP	WILKINSON PT CALHOUN, NE	OCT 03	MAR 04	SEP 06	YES	
M702 IGNITION CARTRIDGE	67,668	14.25	JMC, ROCK ISLAND, IL	SS/FP	AMERICAN ORDNANCE MILAN TN	OCT 03	MAR 04	SEP 06	YES	
M720 PROJ MPTS	67,668	14.83	JMC, ROCK ISLAND, IL	SS/FP	MEDICO WILKES-BARRE, PA	OCT 03	MAR 04	SEP 06	YES	
M9 FLAKE .008 (LB)	520	86.96	JMC, ROCK ISLAND, IL	SS/FP	ALLINANT RADFORD, VA	OCT 03	MAR 04	SEP 06	YES	
M935 FUZE	53,696	25.16	JMC, ROCK ISLAND, IL	SS/FP	BULOVA LANCASTER, PA	OCT 03	MAR 04	SEP 06	YES	

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Exhibit P-5a, Procurement History and Planning			Weapon System			Date: FEBRUARY 2005				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Line Item Nomenclature: (108300) DODIC: BA16, 60MM, ALL TYPES, HE W/MOF					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
CTG, 60MM HE W/MOF (DODIC BA16)										
FY 2004										
LAP, CTG, 60MM, M720A1	3,000	71.00	ARDEC, PICATINNEY, NJ	C/FP	American Ordnance MILAN TN	OCT 03	SEP 04	MAR 06	YES	
FIN ASSEMBLY M27	3,120	6.41	ARDEC, PICATINNEY, NJ	C/FP	WILKINSON PT CALHOUN, NE	OCT 03	SEP 04	MAR 06	YES	
FUZE, MO, M734A1	3,120	206.73	ARDEC, PICATINNEY, NJ	C/FP	BULOVA LANCASTER, PA	OCT 03	SEP 04	MAR 06	YES	
IGNITION CTG, 60MM, M702	3,120	16.03	ARDEC, PICATINNEY, NJ	C/FP	American Ordnance MILAN TN	OCT 03	SEP 04	MAR 06	YES	
PROPELLANT CHARGE, 60MM, M235	12,295	6.10	ARDEC, PICATINNEY, NJ	C/FP	American Ordnance MILAN TN	OCT 03	SEP 04	MAR 06	YES	
SHELL BODY, 60MM, HE, M720A1/M768	3,120	43.27	ARDEC, PICATINNEY, NJ	C/FP	MEDICO WILKES-BARRE, PA	OCT 03	SEP 04	MAR 06	YES	
FY 2006										
LAP, CTG, 60MM, M720A1	24,544	101.29	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 06	MAR 08	NO	
FIN ASSEMBLY M27	25,526	9.13	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 06	MAR 08	NO	
FUZE, MO, M734A1	25,526	294.91	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 06	MAR 08	NO	
IGNITION CTG, 60MM, M702	25,526	22.88	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 06	MAR 08	NO	
PROPELLANT CHARGE, 60MM, M235	100,574	8.70	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 06	MAR 08	NO	
SHELL BODY, 60MM, HE, M720A1/M768	25,526	61.74	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 06	MAR 08	NO	
FY 2007										
LAP, CTG, 60MM, M720A1	24,401	103.11	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 07	MAR 09	NO	
FIN ASSEMBLY M27	25,377	9.30	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 07	MAR 09	NO	
FUZE, MO, M734A1	25,377	300.31	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 07	MAR 09	NO	
IGNITION CTG, 60MM, M702	25,377	23.29	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 07	MAR 09	NO	
PROPELLANT CHARGE, 60MM, M235	100,112	8.85	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 07	MAR 09	NO	
SHELL BODY, 60MM, HE, M720A1/M768	25,369	62.87	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 07	MAR 09	NO	

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Exhibit P-5a
Procurement History and Planning

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005																	
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition										Weapon System					P-1 Line Item DODIC and Nomenclature: (108300) DODIC: BA16, 60MM, ALL TYPES, HE W/MOF																	
										PRODUCTION RATE					PROCUREMENT LEADTIMES																	
Item			Manufacturer's Name and Location					MSR	ECON	MAX	ALT Prior to Oct 1			ALT After to Oct 1			Intitial Mfg PLT			Reorder Mfg PLT			Total		Unit of Measure							
BA16			American Ordnance Milan, TN					150	250	500	12			12			18			18			30		K							
										Fiscal Year 2004										Fiscal Year 2005												
										Calendar Year 2004										Calendar Year 2005												
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
BA16			2004	MC	3.0	0.0	3.0												A													3.0
			2005	MC	0.0	0.0	0.0																									0.0
			2006	MC	24.5	0.0	24.5																									24.5
			2007	MC	24.4	0.0	24.4																									24.4
										Fiscal Year 2006										Fiscal Year 2007												
										Calendar Year 2006										Calendar Year 2007												
			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
BA16			2004	MC	3.0	0.0	3.0						0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25								0.0
			2005	MC	0.0	0.0	0.0																									0.0
			2006	MC	24.5	0.0	24.5												A													24.5
			2007	MC	24.4	0.0	24.4																							A		24.4

Exhibit P-21, Production Schedule														Date: FEBRUARY 2005																			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition														Weapon System				P-1 Line Item DODIC and Nomenclature: (108300) DODIC: BA16, 60MM, ALL TYPES, HE W/MOF															
										PRODUCTION RATE					PROCUREMENT LEADTIMES																		
Item				Manufacturer's Name and Location				MSR		ECON		MAX		ALT Prior to Oct 1		ALT After to Oct 1		Intitial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure									
BA16				UNKNOWN				150		250		500		12		12		18		18		30		K									
										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
BA16				2004	MC	3.0	3.0	0.0																									0.0
				2005	MC	0.0	0.0	0.0																									0.0
				2006	MC	24.5	0.0	24.5						2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.06								0.0
				2007	MC	24.4	0.0	24.4																		2.0	2.0	2.0	2.0	2.0	2.0	2.0	10.4
										Fiscal Year 2010										Fiscal Year 2011													
										Calendar Year 2010										Calendar Year 2011													
				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
BA16				2004	MC	3.0	3.0	0.0																									0.0
				2005	MC	0.0	0.0	0.0																									0.0
				2006	MC	24.5	24.5	0.0																									0.0
				2007	MC	24.4	14.0	10.4	2.0	2.0	2.0	2.0	2.4																				0.0

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2005			
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	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	18.798	25.222	17.211	33.170	20.339	25.562	26.739	1.768		168.809
Description: This line includes 81mm Mortar Ammunition, All Types. 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 physical characteristics of the 81mm IMC are essentially identical to the current M853A1 illuminating cartridge except that it carries an IR filler vice a "white light" illuminate filler. 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. 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. 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. 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.											

Exhibit P-5, Cost Analysis								Date: FEBRUARY 2005				
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										
	FY04			FY05			FY06			FY07		
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
MORTAR, 81MM HE MOF FZ (DODIC C868)												
COMPLETE ROUND							1.362	1,530	890.00	1.362	1,503	906.00
MORTAR, 81MM HE PD FZ (DODIC C869)												
COMPLETE ROUND							8.338	8,346	999.00	19.090	18,770	1017.00
MORTAR, 81 MM IR ILLUM (DODIC C484)												
HARDWARE:												
LAP, CTG 81MM, M816				0.364	5,387	67.57						
BODY TUBE AND TAIL CONE				0.216	6,064	35.62						
FIN ASSEMBLY M27				0.117	6,064	19.29						
FUZE, MTSQ, M772				0.548	6,064	90.37						
IGNITION CTG, M752				0.157	6,064	25.89						
INFRARED ILLUMINANT CANISTER				0.795	6,064	131.10						
PARACHUTE ASSEMBLY				0.125	6,064	20.61						
PROPELLANT CHARGE, 81MM M219				0.149	12,295	6.43						
PRODUCT												
ACCEPTANCE TESTING				0.480								
FIRST DESTINATION TRANSPORTATION				0.143								
INTERIM TRANSPORTATION				0.200								
PRODUCTION ENGINEERING				1.312								
QUALITY ASSURANCE				0.264								
Sub Total	0.000			4.870			9.700			20.452		

Exhibit P-5, Cost Analysis			Date: FEBRUARY 2005									
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										
	FY04			FY05			FY06			FY07		
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
MORTAR, 81 MM SMOKE RP (DODIC C870)												
HARDWARE:												
LAP, CTG 81MM, SMOKE RP M819	0.702	2,588	271.25				3.893	13,938	279.31	3.897	13,277	284.93
M9 FLAKE	0.002	60	38.46				0.011	278	39.57	0.010	310	38.46
CONTAINER ASSY M205	0.044	10,352	4.25				0.250	55,752	4.48	0.251	56,432	4.45
FUZE M772	0.377	2,692	140.04				2.367	15,889	148.97	2.294	15,270	147.13
IGN CTG M752	0.075	2,692	27.86				0.467	15,889	29.39	0.445	15,270	29.14
PROP CHARGE	0.019	10,352	2.04				0.119	55,752	2.13	0.116	55,104	2.11
PRODUCT												
ACCEPTANCE TESTING	0.044						0.100			0.074		
INDUSTRIAL STOCK SUPPORT	0.000						0.000			0.010		
INTERIM TRANSPORTATION	0.010						0.008			0.000		
PRODUCTION ENGINEERING	0.052						0.216			0.362		
QUALITY ASSURANCE	0.004						0.080			0.052		
GOVERNMENT FURNISHED MATERIAL												
Sub Total	1.329						7.511			7.511		

Exhibit P-5, Cost Analysis													Date: FEBRUARY 2005
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											
		FY04			FY05			FY06			FY07		
WBS COST ELEMENTS		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
MORTAR, 81 MM ILLUM (DODIC C871)													
HARDWARE:													
LAP, CTG 81MM, M853A1		2.116	32,280	65.55	2.360	34,959	67.51				0.621	8,655	71.75
BODY TUBE AND TAIL CONE		1.274	36,893	34.53	1.421	39,956	35.56				0.373	9,867	37.80
FIN ASSEMBLY M27		0.692	36,893	18.76	0.772	39,956	19.32				0.203	9,867	20.57
FUZE, MTSQ, M772		3.238	36,893	87.79	3.613	39,956	90.42				0.947	9,867	95.98
IGNITION CTG, M752		0.927	36,893	25.13	1.034	39,956	25.88				0.271	9,867	27.47
ILLUMINANT CANISTER		4.694	36,893	127.23	5.237	39,956	131.07				1.371	9,867	138.95
PARACHUTE ASSEMBLY		0.740	36,893	20.06	0.825	39,956	20.65				0.217	9,867	21.99
PROPELLANT CHARGE, 81MM M219		0.866	138,801	6.24	0.966	150,325	6.43				0.253	37,217	6.80
PRODUCT													
ACCEPTANCE TESTING		0.430			0.480						0.120		
INDUSTRIAL STOCK SUPPORT		0.128			0.143						0.040		
INTERIM TRANSPORTATION		0.194			0.216						0.060		
PRODUCTION ENGINEERING		1.568			2.615						0.430		
QUALITY ASSURANCE		0.602			0.670						0.301		
Sub Total		17.469			20.352			0.000			5.207		
P-5 Total		18.798			25.222			17.211			33.170		

BLIN: 109100

Exhibit P-5a, Procurement History and Planning			Weapon System			Date: FEBRUARY 2005				
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	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
MORTAR, 81MM HE MOF FZ (DODIC C868)										
FY 2006	1,530	890.00	ARDEC, PICATINNEY, NJ	C/FFP	UNKNOWN	UNKNOWN	DEC 06	MAR 08	YES	
FY 2007	1,503	906.00	ARDEC, PICATINNEY, NJ	C/FFP	UNKNOWN	UNKNOWN	DEC 07	MAR 09	YES	
MORTAR, 81MM HE PD FZ (DODIC C869)										
FY 2006	8,346	999.00	ARDEC, PICATINNEY, NJ	C/FFP	UNKNOWN	UNKNOWN	DEC 06	MAR 08	YES	
FY 2007	18,770	1017.00	ARDEC, PICATINNEY, NJ	C/FFP	UNKNOWN	UNKNOWN	DEC 07	MAR 09	YES	
MORTAR, 81MM ILLUM INFRARED (DODIC C484)										
FY 2005										
LOAD, ASSEMBLE & PACK (LAP)	5,387	67.57	ARDEC, PICATINNEY, NJ	C/FFP	UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
BODY TUBE AND TAIL CONE	6,064	35.62	ARDEC, PICATINNEY, NJ	C?FFP	UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
FIN ASSEMBLY M27	6,064	19.29	ARDEC, PICATINNEY, NJ	C/FFP	UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
FUZE MTSQ M772	6,064	90.37	ARDEC, PICATINNEY, NJ	C/FFP	UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
IGN CARTRIDGE	6,064	25.89	ARDEC, PICATINNEY, NJ	C/FFP	UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
INFRARED ILLUM CANISTER	6,064	131.10	ARDEC, PICATINNEY, NJ	C/FFP	UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
PARACHUTE ASSEMBLY	6,064	20.61	ARDEC, PICATINNEY, NJ	C/FFP	UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
PROPELLANT CHARGE M219	12,295	6.43	ARDEC, PICATINNEY, NJ	C/FFP	UNKNOWN	OCT 04	MAR 05	SEP 06	YES	

Exhibit P-5a, Procurement History and Planning				Weapon System		Date: FEBRUARY 2005				
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	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
MORTAR, 81MM SMOKE RP (DODIC C870)										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2004	2,588	271.25	ARDEC, PICATINNEY, NJ	C/FFP	PINE BLUFF ARSENAL PINE BLUFF, AR	OCT 03	MAR 04	SEP 05	YES	
FY 2006	13,938	279.31	ARDEC, PICATINNEY, NJ	C/FFP	PINE BLUFF ARSENAL PINE BLUFF, AR	UNKNOWN	MAR 06	SEP 07	YES	
FY 2007	13,277	284.93	ARDEC, PICATINNEY, NJ	C/FFP	PINE BLUFF ARSENAL PINE BLUFF, AR	UNKNOWN	MAR 07	SEP 08	YES	
M9 FLAKE .010 (LBS)										
FY 2004	60	38.46	ARDEC, PICATINNEY, NJ	C/FFP	GFM	OCT 03	MAR 05	SEP 06	YES	
FY 2006	278	39.57	ARDEC, PICATINNEY, NJ	C/FFP	GFM	UNKNOWN	MAR 06	SEP 07	YES	
FY 2007	310	38.46	ARDEC, PICATINNEY, NJ	C/FFP	GFM	UNKNOWN	MAR 07	SEP 08	YES	
CONTAINER										
FY 2004	10,352	4.25	ARDEC, PICATINNEY, NJ	C/FFP	ARMTEC DEFENSE PROD COACHELLA, CA	OCT 03	MAR 04	SEP 05	YES	
FY 2006	55,752	4.48	ARDEC, PICATINNEY, NJ	C/FFP	ARMTEC DEFENSE PROD COACHELLA, CA	UNKNOWN	MAR 06	SEP 07	YES	
FY 2007	56,432	4.45	ARDEC, PICATINNEY, NJ	C/FFP	ARMTEC DEFENSE PROD COACHELLA, CA	UNKNOWN	MAR 07	SEP 08	YES	
FUZE MTSQ M772										
FY 2004	2,692	140.04	ARDEC, PICATINNEY, NJ	C/FFP	JUNGHAMS SCHRAMBERG, GERMANY	OCT 03	MAR 04	SEP 05	YES	
FY 2006	15,889	148.97	ARDEC, PICATINNEY, NJ	C/FFP	JUNGHAMS SCHRAMBERG, GERMANY	UNKNOWN	MAR 06	SEP 07	YES	
FY 2007	15,270	147.13	ARDEC, PICATINNEY, NJ	C/FFP	JUNGHAMS SCHRAMBERG, GERMANY	UNKNOWN	MAR 07	SEP 08	YES	
IGNITION CARTRIDGE										
FY 2004	2,692	27.86	ARDEC, PICATINNEY, NJ	C/FFP	AMERICAN ORDNANCE MILAN, TN	OCT 03	MAR 04	SEP 05	YES	
FY 2006	15,889	29.39	ARDEC, PICATINNEY, NJ	C/FFP	AMERICAN ORDNANCE MILAN, TN	UNKNOWN	MAR 06	SEP 07	YES	
FY 2007	15,270	29.14	ARDEC, PICATINNEY, NJ	C/FFP	AMERICAN ORDNANCE MILAN, TN	UNKNOWN	MAR 07	SEP 08	YES	
PROPELLANT CHARGE M218										
FY 2004	10,352	2.04	ARDEC, PICATINNEY, NJ	C/FFP	AMERICAN ORDNANCE MILAN, TN	OCT 03	MAR 04	SEP 05	NO	
FY 2006	55,752	2.13	ARDEC, PICATINNEY, NJ	C/FFP	AMERICAN ORDNANCE MILAN, TN	UNKNOWN	MAR 06	SEP 07	NO	
FY 2007	55,104	2.11	ARDEC, PICATINNEY, NJ	C/FFP	AMERICAN ORDNANCE MILAN, TN	UNKNOWN	MAR 07	SEP 08	NO	

Exhibit P-5a, Procurement History and Planning			Weapon System			Date: FEBRUARY 2005				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Line Item Nomenclature: 81MM, ALL TYPES (109100)					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
MORTAR, 81MM ILLUM (DODIC C871)										
FY 2004										
LAP, CTG, 81MM, M853A1	36,343	65.55	ARDEC, PICATINNEY, NJ	C/FFP	PINE BLUFF ARSENAL, PINE BLUFF, AR	OCT 03	MAR 04	SEP 05	YES	
BODY TUBE AND TAIL CONE	36,893	34.53	ARDEC, PICATINNEY, NJ	C/FFP	MEDICO IND, WILKES-BARRE, PA	OCT 03	MAR 04	SEP 05	YES	
FIN ASSEMBLY M27	36,893	18.76	ARDEC, PICATINNEY, NJ	C/FFP	WILKINSON MFG, PORT CALHOUN, NE	OCT 03	MAR 04	SEP 05	YES	
FUZE, MTSQ, M772	36,893	87.77	ARDEC, PICATINNEY, NJ	C/FFP	DIEHL MFG, NUREMBERG, GE	OCT 03	MAR 04	SEP 05	YES	
IGNITION CTG, M752	36,893	25.13	ARDEC, PICATINNEY, NJ	C/FFP	MARTIN ELECTRONICS, PERRY, FL	OCT 03	MAR 04	SEP 05	YES	
ILLUMINANT CANISTER	36,893	127.23	ARDEC, PICATINNEY, NJ	C/FFP	CRANE, AAA, CRANE, IN	OCT 03	MAR 04	SEP 05	YES	
PARACHUTE ASSEMBLY	36,893	20.06	ARDEC, PICATINNEY, NJ	C/FFP	WILKINSON MFG, PORT CALHOUN, NE	OCT 03	MAR 04	SEP 05	YES	
PROPELLANT CHARGE, M219	138,801	6.24	ARDEC, PICATINNEY, NJ	C/FFP	HITECH, EAST CAMDEN, AR	OCT 03	MAR 04	SEP 05	YES	
FY 2005										
LAP, CTG, 81MM, M853A1	32,280	67.51	ARDEC, PICATINNEY, NJ	C/FFP	PINE BLUFF ARSENAL, PINE BLUFF, AR	OCT 04	MAR 05	SEP 06	YES	
BODY TUBE AND TAIL CONE	39,956	35.56	ARDEC, PICATINNEY, NJ	C/FFP	MEDICO IND, WILKES-BARRE, PA	OCT 04	MAR 05	SEP 06	YES	
FIN ASSEMBLY M27	39,956	90.42	ARDEC, PICATINNEY, NJ	C/FFP	WILKINSON MFG, PORT CALHOUN, NE	OCT 04	MAR 05	SEP 06	YES	
FUZE, MTSQ, M772	39,956	90.42	ARDEC, PICATINNEY, NJ	C/FFP	DIEHL MFG, NUREMBERG, GE	OCT 04	MAR 05	SEP 06	YES	
IGNITION CTG, M752	39,956	25.88	ARDEC, PICATINNEY, NJ	C/FFP	MARTIN ELECTRONICS, PERRY, FL	OCT 04	MAR 05	SEP 06	YES	
ILLUMINANT CANISTER	39,956	131.07	ARDEC, PICATINNEY, NJ	C/FFP	CRANE, AAA, CRANE, IN	OCT 04	MAR 05	SEP 06	YES	
PARACHUTE ASSEMBLY	39,956	20.65	ARDEC, PICATINNEY, NJ	C/FFP	WILKINSON MFG, PORT CALHOUN, NE	OCT 04	MAR 05	SEP 06	YES	
PROPELLANT CHARGE, M219	150,325	6.43	ARDEC, PICATINNEY, NJ	C/FFP	HITECH, EAST CAMDEN, AR	OCT 04	MAR 05	SEP 06	YES	

Exhibit P-5a, Procurement History and Planning			Weapon System			Date: FEBRUARY 2005				
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	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
MORTAR, 81MM ILLUM (DODIC C871) (CONTINUED)										
FY 2007										
LAP, CTG, 81MM, M853A1	8,655	71.75	ARDEC, PICATINNEY, NJ	C/FFP	PINE BLUFF ARSENAL, PINE BLUFF, AR	UNKNOWN	MAR 07	SEP 08	YES	
BODY TUBE AND TAIL CONE	9,867	37.80	ARDEC, PICATINNEY, NJ	C/FFP	MEDICO IND, WILKES-BARRE, PA	UNKNOWN	MAR 07	SEP 08	YES	
FIN ASSEMBLY M27	9,867	20.57	ARDEC, PICATINNEY, NJ	C/FFP	WILKINSON MFG, PORT CALHOUN, NE	UNKNOWN	MAR 07	SEP 08	YES	
FUZE, MTSQ, M772	9,867	95.98	ARDEC, PICATINNEY, NJ	C/FFP	DIEHL MFG, NUREMBERG, GE	UNKNOWN	MAR 07	SEP 08	YES	
IGNITION CTG, M752	9,867	27.47	ARDEC, PICATINNEY, NJ	C/FFP	ELECTRONICS, PERRY, FL	UNKNOWN	MAR 07	SEP 08	YES	
ILLUMINANT CANISTER	9,867	138.95	ARDEC, PICATINNEY, NJ	C/FFP	CRANE, AAA, CRANE, IN	UNKNOWN	MAR 07	SEP 08	YES	
PARACHUTE ASSEMBLY	9,867	21.99	ARDEC, PICATINNEY, NJ	C/FFP	WILKINSON MFG, PORT CALHOUN, NE	UNKNOWN	MAR 07	SEP 08	YES	
PROPELLANT CHARGE, M219	37,217	6.80	ARDEC, PICATINNEY, NJ	C/FFP	HITECH, EAST CAMDEN, AR	UNKNOWN	MAR 07	SEP 08	YES	

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005																			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition															Weapon System					P-1 Line Item DODIC and Nomenclature: (109100) DODIC: C869, CTG, 81MM HE WITH PD FUZE														
										PRODUCTION RATE					PROCUREMENT LEADTIMES																			
Item					Manufacturer's Name and Location					MSR		ECON		MAX		ALT Prior to Oct 1		ALT After to Oct 1		Intitital Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure								
C869					PINE BLUFF ARSENAL PINE BLUFF, AR					600		2000		3500		6		6		15		15		21		K								
										Fiscal Year 2004										Fiscal Year 2005														
										Calendar Year 2004										Calendar Year 2005														
Item					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
C869					2004	MC	0.00	0.00	0.00																									0.00
					2005	MC	0.00	0.00	0.00																									0.00
					2006	MC	8.35	0.00	8.35																									8.35
					2007	MC	18.77	0.00	18.77																									18.77
										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	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
C869					2004	MC	0.00	0.00	0.00																									0.00
					2005	MC	0.00	0.00	0.00																									0.00
					2006	MC	8.35	0.00	8.35														A											8.35
					2007	MC	18.77	0.00	18.77																									18.77

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005																				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition															Weapon System					P-1 Line Item DODIC and Nomenclature: (109100) DODIC: C869, CTG, 81MM HE WITH PD FUZE															
										PRODUCTION RATE					PROCUREMENT LEADTIMES																				
Item					Manufacturer's Name and Location					MSR		ECON		MAX		ALT Prior to Oct 1			ALT After to Oct 1			Initial Mfg PLT			Reorder Mfg PLT			Total		Unit of Measure					
C869					PINE BLUFF ARSENAL PINE BLUFF, AR					600		2000		3500		6			6			15			15			21		K					
										Fiscal Year 2008										Fiscal Year 2009															
					Calendar Year 2008															Calendar Year 2009															
Item					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	
					C	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	
C869					2004	MC	0.00	0.00	0.00																									0.00	
					2005	MC	0.00	0.00	0.00																									0.00	
					2006	MC	8.35	0.00	8.35						0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.65								0.00	
					2007	MC	18.77	0.00	18.77			A															1.6	1.6	1.6	1.6	1.6	1.6	1.6	7.57	
										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	
					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	
					C	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	
C869					2004	MC	0.00	0.00	0.00																									0.00	
					2005	MC	0.00	0.00	0.00																									0.00	
					2006	MC	8.35	8.35	0.00																										0.00
					2007	MC	18.77	11.20	7.57	1.6	1.6	1.6	1.6	1.17																					0.00

Exhibit P-21, Production Schedule														Date: FEBRUARY 2005																				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition										Weapon System				P-1 Line Item DODIC and Nomenclature: (109100) DODIC: C871, 81MM, ALL TYPES, ILLUM																				
								PRODUCTION RATE						PROCUREMENT LEADTIMES																				
Item				Manufacturer's Name and Location				MSR	ECON	MAX	ALT Prior to Oct 1		ALT After to Oct 1		Intitial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure													
C871				PINE BLUFF ARSENAL PINE BLUFF, AR				150	250	500	12		12		18		18		30		K													
								Fiscal Year 2004										Fiscal Year 2005																
								Calendar Year 2004										Calendar Year 2005																
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	
C871				2004	MC	36.3	0.0	36.3						A																		2.7	33.6	
				2005	MC	35.0	0.0	35.0																			A						35.0	
				2006	MC	0.0	0.0	0.0																									0.0	
				2007	MC	5.5	0.0	5.5																									5.5	
								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	
C871				2004	MC	32.3	2.7	29.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6														0.0	
				2005	MC	35.0	0.0	35.0												2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.1		35.0
				2006	MC	0.0	0.0	0.0																									0.0	
				2007	MC	8.7	0.0	8.7																				A					8.7	

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005																			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition															Weapon System					P-1 Line Item DODIC and Nomenclature: (109100) DODIC: C871, 81MM, ALL TYPES, ILLUM														
										PRODUCTION RATE					PROCUREMENT LEADTIMES																			
Item					Manufacturer's Name and Location					MSR	ECON	MAX	ALT Prior to Oct 1			ALT After to Oct 1			Intitial Mfg PLT		Reorder Mfg PLT		Total	Unit of Measure										
C871					PINE BLUFF ARSENAL PINE BLUFF, AR					150	250	500	12			12			18		18		30	K										
										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
C871					2004	MC	32.30	32.30	0.00																								0.00	
					2005	MC	35.00	35.00	0.00																								0.00	
					2006	MC	0.00	0.00	0.00																								0.00	
					2007	MC	8.70	0.00	8.70												0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.67		0.00
										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
C871					04	MC	32.30	32.30	0.00																								0.00	
					05	MC	34.96	31.96	0.00																								0.00	
					06	MC	12.72	12.72	0.00																								0.00	
					07	MC	5.54	5.54	0.00																								0.00	

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2005			
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	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	39.241	15.305	7.231	35.677	50.491	64.898	61.288	97.804		371.935
Description: This line includes 120mm, All Types. The Cartridge, 120mm Target Practice Cartridge with Tracer (TP-T) M831 series (DODIC C784) is a fixed 120mm cartridge which simulates the ballistics of the High Explosive Anti-tank Multi-Purpose with Tracer (HEAT-MP-T) M830 series Cartridge. The M831 series Cartridge with inert projectile is intended for use in the 120mm smooth bore M256 cannon. 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; and 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. The Cartridge, 120mm HEAT-MP-T M830A1 (DODIC C791) is used in the 120mm smooth bore M256 cannon for anti-tank and air defense capability. The M1002 Target Practice Multi-Purpose Cartridge with Tracer (TPMP-T) (DODIC CA31) is a 120mm Training Cartridge for the tactical M830A1 HEAT-MP-T Cartridge. Main Battle Tank. The XM1028 canister tank cartridge is a tank round comprised of 1150 tungsten balls, which are expelled upon muzzle exit. There is no fuse on this round. While the dispersion pattern increases with range as the velocity of the balls decreases, the dense tungsten balls are used to minimize the velocity fall-off. 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 dismounted personnel targets, command and control systems, and indirect fire systems.											

Exhibit P-5, Cost Analysis								Date: FEBRUARY 2005				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	ID Code: A	P-1 Line Item Nomenclature: (112100) 120MM, ALL TYPES										
		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
CTG, 120MM TP-T M831A1 (DODIC C784)												
LAP, COMPLETE ROUND	1.983	3,213	617.25	1.983	2,939	617.25						
CTG, 120MM TPCSDS-T M865 (DODIC C785)												
LAP, COMPLETE ROUND	3.155	5,891	613.53	4.892	7,776	629.12				4.734	26,696	649.30
CTG, 120MM HEAT-MP-T M830A1 (DODIC C791)												
LAP, COMPLETE ROUND	28.29	4,190	6750.50	7.924	1,256	6311.00				7.000	1,045	6695.34
CTG, 120MM TPMP-T M1002 (DODIC CA31)												
LAP, COMPLETE ROUND	3.000	1,675	1791.04							3.500	1,952	1792.65
CTG, 120MM CANISTER ROUND (DODIC CA38)												
LAP, COMPLETE ROUND										4.500	3,863	1165.00
EXPEDITIONARY FIRE SUPPORT SYSTEM												
SYSTEM UNDERGOING SOURCE SELECTION							7.231			15.929		0.00
PRODUCT												
ACCEPTANCE TESTING	0.459			0.071						0.002		
PRODUCTION ENGINEERING	1.177			0.313						0.010		
QUALITY ASSURANCE	1.177			0.122						0.002		
TOTAL	39.241			15.305			7.231			35.677		

Exhibit P-5a, Procurement History and Planning			Weapon System		Date: FEBRUARY 2005					
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	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
CTG, 120MM TP-T M831A1 (DODIC: C784)										
COMPLETE ROUND M831A1										
FY 2004	3,213	617.25	JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, PLYMOUTH MN	OCT 03	JAN 04	OCT 04	YES	
FY 2005	2,939	617.25	JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, PLYMOUTH MN	OCT 04	JAN 05	OCT 05	YES	
CTG, 120MM TPCSDS-T M865 (DODIC: C785)										
COMPLETE ROUND M831A1										
FY 2004	5,891	613.53	JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, PLYMOUTH MN	OCT 03	JAN 04	OCT 04	YES	
FY 2005	7,776	629.12	JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, PLYMOUTH MN	OCT 04	JAN 05	OCT 05	YES	
FY 2007	26,696	649.30	JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, PLYMOUTH MN	UNKNOWN	JAN 07	OCT 07	YES	
CTG, 120MM HEAT-MP-T M830A1 (DODIC: C791)										
COMPLETE ROUND M830A1										
FY 2004	4,190	6750.50	JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, PLYMOUTH MN	OCT 03	MAR 04	SEP 05	YES	
FY 2005	1,256	6311.00	JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, PLYMOUTH MN	OCT 04	MAR 05	SEP 06	YES	
FY 2007	1,045	6695.34	JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, PLYMOUTH MN	UNKNOWN	MAR 07	SEP 08	YES	
CTG, 120MM TPMP-T M1002 (DODIC: CA31)										
COMPLETE ROUND M1002										
FY 2004	1,675	1791.04	ARDEC, PICATINNY, NJ	C/FFP	ALLIANT TECH, PLYMOUTH MN	OCT 03	OCT 04	NOV 05	YES	
FY 2007	1,952	1792.65	ARDEC, PICATINNY, NJ	C/FFP	ALLIANT TECH, PLYMOUTH MN	UNKNOWN	OCT 07	NOV 08	YES	
EXPEDITIONARY FIRE SUPPORT SYSTEM										
SYSTEM UNDERGOING SOURCE SELECTION										
FY 2006			UNKNOWN	C/FFP	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	NO	
FY 2007			UNKNOWN	C/FFP	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	NO	

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005																
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition												Weapon System			P-1 Line Item DODIC and Nomenclature: (112100) DODIC: C791, CTG, 120MM HEAT-MP-T M830A1																
						PRODUCTION RATE						PROCUREMENT LEADTIMES																			
Item				Manufacturer's Name and Location				MSR		ECON		MAX		ALT Prior to Oct 1		ALT After to Oct 1		Intitial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure							
C791				ALLIANT TECH, PLYMOUTH, MN				0.1		1		5		6		6		18		18		24		K							
Fiscal Year 2004												Fiscal Year 2005																			
									Calendar Year 2004									Calendar Year 2005													
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
C791		04	MC	4.19	0.00	4.19						A																		0.35	3.84
		05	MC	1.26	0.00	1.26																		A							1.26
		06	MC	0.00	0.00	0.00																									0.00
		07	MC	1.05	0.00	1.05																									1.05
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
C791		04	MC	4.19	0.35	3.84	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.34														0.00
		05	MC	1.26	0.00	1.26												0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.05		0.00
		06	MC	0.00	0.00	0.00																									0.00
		07	MC	1.05	0.00	1.05																		A							1.05

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005																			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition															Weapon System					P-1 Line Item DODIC and Nomenclature: (112100) DODIC: C791, CTG, 120MM HEAT-MP-T M830A1														
										PRODUCTION RATE					PROCUREMENT LEADTIMES																			
Item					Manufacturer's Name and Location					MSR	ECON	MAX	ALT Prior to Oct 1	ALT After to Oct 1	Intitial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																
C791					ALLIANT TECH, PLYMOUTH, MN					0.1	1	5	6	6	18	18	24	K																
										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
C791					04	MC	4.19	4.19	0.00																									0.00
					05	MC	1.26	1.26	0.00																									0.00
					06	MC	0.00	0.00	0.00																									0.00
					07	MC	1.05	0.00	1.05													0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.06		0.00
										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
C791					04	MC	4.19	4.19	0.00																									0.00
					05	MC	1.26	1.26	0.00																									0.00
					06	MC	0.00	0.00	0.00																									0.00
					07	MC	1.05	1.05	0.00																									0.00

Exhibit P-40, Budget Item Justification							Date: FEBRUARY 2005				
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	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	3.693	3.734	2.118	6.097	5.698	20.525	5.473	8.385		55.723
Description: The Cartridge, 25mm Dummy M794 Linked (DODIC A967) is used for non-firing system checkout used with the 25mm M242 Automatic Cannon for training of the crew. This M794 Cartridge is a modified M793 Target Practice with Tracer (TP-T) projectile silver brazed to a modified standard cartridge case and is completely inert. The cartridge case cavity is filled through an enlarged primer hole with an epoxy resin filler to approximate the weight of the M792 High Explosive Incendiary-Tracer (HEI-T) and M793 TP-T Service Cartridges. The threaded nose of the TP-T projectile is silver brazed to the projectile body to improve physical integrity. The external configuration of the M794 metal dummy cartridge (by use of standard components) is the same as that of the M792 HEI-T and M793 TP-T Service Cartridges. These cartridges are linked together by the M28 link. The Cartridge, 25mm APDS-T M791 Linked (DODIC A974) is an Armor-Piercing Discarding Sabot with Tracer (APDS-T) round 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. The M791 Cartridge consists of a sabot encapsulated projectile body. This body is crimped to a steel cartridge case containing 98 grams of extruded propellant, a M115 Percussion Primer, and a booster pellet. The projectile body consists of a solid tungsten alloy penetrator, pressed-on aluminum windshield, pressed-in tracer pellet, molded discarding type nylon sabot, staked aluminum base and a pressed-on nylon nose cap. The penetrator is spin stabilized and penetrates a target solely by kinetic energy. Funds for this item are included in the outyear totals for this line item. 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. The projectile is painted blue and is inert. The cartridge consists of a hollow, two-piece projectile body, which is crimped to a steel cartridge case containing 99 grams of ball propellant, M115 Percussion Primer, and booster pellet. The body of the projectile consists of a hollow steel body screw-on steel nosepiece, swaged iron-rotating band, and pressed-in tracer pellets. This projectile is configured only as linked ammunition. 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. The M719 cartridge consists of a subcaliber projectile inside an aluminum sabot crimped to a steel cartridge case containing 98 grams of extruded propellant, a M115 Percussion Primer, and a booster pellet. The subprojectile consists of a depleted uranium penetrator and a threaded aluminum windshield with pressed-in tracer pellets. The three piece aluminum sabot utilizes a nylon obturator and a polyethylene nose cap.											

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2005			
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	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	3.693	3.734	2.118	6.097	5.698	20.525	5.473	8.385		55.723
Description Continuation: Light Armor Vehicle 25 (DODIC LAV). This funding is being used for the evaluation of advanced technology in the 25MM Family of munitions. The LAV-25 is an all-terrain, all-weather vehicle with night capabilities. It provides strategic mobility to reach and engage the threat, tactical mobility for effective use of fire power, fire power to defeat soft and armored targets, and battlefield survivability to carry out combat missions. It is air transportable via C-130, C-141, C-5 and CH-53 E. When combat loaded there are 210 ready rounds and 420 stowed rounds of 25mm ammunition as well as 400 ready rounds and 1200 stowed rounds of 7.62mm. There are 8 ready rounds and 8 stowed rounds of smoke grenades. A supplementary M240E1 7.62mm machine gun can be pintle-mounted at the commander's station in the turret. The LAV-25 is fully amphibious with a maximum of 3 minutes preparation.											

Exhibit P-40a, Budget Item Justification for Aggregated Items										Date: FEBRUARY 2005	
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (138800) CTG 25MM, ALL TYPES					
Procurement Items	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
Light Armor Vehicle 25 (DODIC LAV)	A	0.000	0.125	0.000	0.000						
		0	0	0	0						
P-40a Total		0.000	0.125	0.000	0.000						

Exhibit P-5, Cost Analysis													Date: FEBRUARY 2005
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											
		FY04			FY05			FY06			FY07		
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	
CTG 25MM DUMMY LINKED (DODIC A967)													
COMPLETE ROUND							0.373	11,410	32.69				
CTG, 25MM TP-T LINKED (DODIC A976)													
COMPLETE ROUND	3.558	170,076	20.92	3.609	184,320	19.58	1.745	87,820	19.87	4.746	234,254	20.26	
CTG, 25MM APFSDS-T, M919 (DODIC A986)													
COMPLETE ROUND										1.351	13,245	102.00	
PRODUCT													
PRODUCTION ENGINEERING	0.135												
P-5 Total	3.693			3.609			2.118			6.097			

Exhibit P-40, Budget Item Justification							Date: FEBRUARY 2005				
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	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	2.552	7.615	0.000	2.290	1.211	5.719	0.000	2.270		21.657
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 has a brass case and a bullet consisting of a copper alloy jacket and lead-antimony slug. It can be identified by its jacketed hollow point configuration. Funds for this item are included in the outyear totals for this line item. 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 cartridge has a lighter propellant charge than other 9x19mm small arms cartridges which enables it to duplicate the ballistic trajectory of the M136 High Explosive Anti-Tank (HEAT) round to 400 meters. The projectile of the 9mm M939 has a tracer element which allows the user to visually observe the flight of the projectile to the impact point. The cartridge is visually distinguished from other 9x19mm cartridges by its unique color identification marks. The M939 Cartridge has a red tip, a white band around the case mouth, and one half of the cartridge base is painted black. 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 M882 Ball consists of a brass cartridge case, a primer, propellant, and a plain bullet tip. 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, thus indicating a hit. This cartridge consists of a composite brass/plastic cartridge case loaded with a plastic projectile filled with a fluorescent red, detergent based, non-toxic, washable, inert paste and is propelled by a conventional lead styphnate primer containing approximately .02 grams of GBSE propellant. 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, thus indicating a hit. This cartridge consists of a composite brass/plastic cartridge case loaded with a plastic projectile filled with a fluorescent blue, detergent based, non-toxic, washable, inert paste and is propelled by a conventional lead styphnate primer containing approximately .02 grams of GBSE propellant. Weapons fitted with the M9 Special Effects Small Arms Marking System (SESAMS) Adapter Kit will operate semi or full automatic simulating live fire. The intended use for the SESAMS is to provide enhanced simulated automatic live fire training by allowing force-on-force training versus firing at silhouette on impact. When the round impacts a target, the plastic projectile sheath breaks and detergent marks the target, thus indicating a hit.											

Exhibit P-40a, Budget Item Justification for Aggregated Items									Date: FEBRUARY 2005		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (142800) 9MM, ALL TYPES						
Procurement Items	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
9MM SESAMS (RED) (DODIC AA12)	A	0.734	1.800	0.000	1.203						
QTY		1,668,181	4,500,000	0	2,653,333						
9MM SESAMS (BLUE) (DODIC AA21)	A	0.752	1.600	0.000	1.087						
QTY		1,709,090	4,000,000	0	2,415,555						
SESAMS, SPC EFFECTS SMALL ARMS MK SYS	A	0.000	0.134	0.000	0.000						
QTY		0	335,000	0	0						

Exhibit P-5, Cost Analysis									Date: FEBRUARY 2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy	ID Code:	P-1 Line Item Nomenclature: (142800) 9MM, ALL TYPES										
		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
9MM BALL (DODIC A363)												
LOAD ASSEMBLY & PACK (LAP)	0.866	10,825,000	0.08	3.396	37,733,333	0.09						
PRODUCT												
ACCEPTANCE TESTING	0.021			0.07								
PRODUCTION ENGINEERING	0.147			0.506								
QUALITY ASSURANCE	0.032			0.109								
P-5 Total	1.066			4.081			0.000			0.000		

[illegible]

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine						P-1 Item Nomenclature: (146800) GRENADES, ALL TYPES					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	6.983	5.022	5.315	7.564	8.932	0.469	0.763	3.606		38.654
Description: This line includes Grenades, All Types. The Grenade, Launcher Smoke Infrared (IR) Screening M76 (DODIC G826) is used with the M250, M239, M243 Grenade Launchers installed on tanks, AAVs, and LAVs to provide infrared and visual smoke screening for armored/tactical vehicles in combat situations. The grenade has a plastic cylindrical main body. The plastic body houses the IR composition, burster, booster lead, and safe and arming (S&A) mechanism. The S&A mechanism consists of a spring-loaded slider/bore rider containing the explosive lead and a spring-loaded setback lock. A propellant assembly is retained in the body forming the complete grenade. The propellant assembly includes a pyrotechnic delay detonator, launch propellant, an electric match, and a propellant retainer with electrical contacts. When electrically initiated, the match activates and ignites the propellant and delay elements. Expanding gases propel the grenade from the launch tube. The Fuze, Hand Grenade Practice M228 (DODIC G878) is a pyrotechnic delay-igniting fuze. DODIC G878 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. The split end of the safety pin has an angular spread or a diamond crimp. 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 that is designed to fragment when detonated. The grenade body contains 6.5 ounces of Composition B high explosive. This grenade is fuzed with the M213 Pyrotechnic Delay-detonating Fuze. It is designed to function the grenade 4 to 5.1 seconds after release of the safety lever. The body of the fuze contains a primer and a pyrotechnic delay column. Assembled to the body are a striker, a striker spring, a safety lever, a safety pin and pull ring, a safety clip, and a detonator assembly. The M213 Fuze is equipped with two safety features. 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. The body contains a primer, first fire mixture, pyrotechnic delay column, and ignition mixture. Assembled to the body are a striker, striker spring, safety lever, and safety pin with pull ring. The split end of the safety pin has an angular spread. Safety clips are not required with these grenades. Removal of the safety pin permits release of the safety lever. When the safety lever is released, a striker acting under the force of a striker spring forces it away from the grenade body. The striker rotates on its own axis and strikes the percussion primer. The primer initiates the first fire mixture, initiating the grenade.											

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2005			
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	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	6.983	5.022	5.315	7.564	8.932	0.469	0.763	3.606		38.654
Continued: 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. The body contains a primer, first fire mixture, pyrotechnic delay column, and ignition mixture. Assembled to the body are a striker, striker spring, safety lever, and safety pin with pull ring. The split end of the safety pin has an angular spread. Safety clips are not required with these grenades. Removal of the safety pin permits release of the safety lever. When the safety lever is released, a striker acting under the force of a striker spring forces it away from the grenade body. The striker rotates on its own axis and strikes the percussion primer. The primer initiates the first fire mixture, initiating the grenade. The Riot Control Agent, CS (DODIC K765) is a riot control agent capsule that consists of ortho-chlorobenzylidene malano-nitrile. The CS is ground to a particle size of less than 840 microns. The filled capsule weighs about 0.82 grams. The capsules are used to demonstrate to trainees the protection effort afforded by properly fitted chemical-biological masks, and to demonstrate to unmasked trainees the effects of CS riot control agents. The Floating Smoke Pot (FSP DODIC KM03) is a new item being procured using the Foreign Comparative Test (FCT) Program to replace older variants of smoke pots. This round is designed to screen personnel and equipment movement and will replace current systems with a non-toxic smoke payload and enhanced fuze. 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. The base of the launching tube contains a primer and initiating charge. As shipped, the firing pin cap is placed on the forward/open end and must be removed and placed on the primer end (indicated by a red colored stripe) for firing. Stabilizing fins on the rocket are folded parallel to the axis of the signal. 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. The base of the launching tube contains a primer and an initiating charge. As shipped, the firing pin cap is placed on the forward/open end and must be removed and placed on the primer end (indicated by a red colored stripe) for firing. Stabilizing fins on the rocket are folded parallel to the axis of the signal.											

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2005			
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	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	6.983	5.022	5.315	7.564	8.932	0.469	0.763	3.606		38.654
Continued: The Signal, Smoke and 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 with 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. A label attached to the outer surface of the case further identifies the smoke (day) and flare (night) ends and provides precise instructions for use. The case contains four sub assemblies; smoke candle, smoke igniter, flare candle, and flare igniter. 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 contained in a hand-held aluminum launching tube. The base of the launching tube contains a primer and an initiating charge. As shipped, the firing pin cap is placed on the forward/open end and must be removed and placed on the primer end for firing. Stabilizing fins on the rocket are folded parallel to the axis of the signal. 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. Under the protective cap are ignition wires and a plug. The plastic container is filled with a pyrotechnic charge and is initiated electrically. The Main Gun Signature Simulator (MGSS) (DODIC LA06) cartridge is used with the Multiple Integrated Laser Engagement Simulator (MILES) 2000 system to simulate main gun, tank, and artillery fire during training. This is a newly fielded item and is currently pending safety release. Currently, all Marine Corps assets are in Condition Code "D".											

[illegible]

Exhibit P-5, Cost Analysis							Date: FEBRUARY 2005					
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										
WBS COST ELEMENTS	FY04			FY05			FY06			FY07		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
GRENADE, LAUNCHER SMOKE IR/M76 (DODIC G826)												
COMPLETE ROUND				0.911	12,177	90.00				0.369	3,690	100.00
FUZE, GRENADE HAND PRACT, M228 (DODIC G878)												
COMPLETE ROUND	4.513	1,397,213	3.23				4.156	937,802	4.55	4.452	658,561	4.88
GRENADE, HAND FRAG M67 (DODIC G881)												
COMPLETE ROUND				3.703	140,028	27.19						
GRENADE, HAND SMOKE GREEN M18 (DODIC G940)												
COMPLETE ROUND	0.673	24,364	38.79				0.523	14,538	41.41	0.705	14,538	42.65
GRENADE, HAND SMOKE YELLOW M18 (DODIC G945)												
COMPLETE ROUND	0.776	20,357	38.02							0.615	18,946	43.65
SIGNAL SMOKE 7 ILLUM MK124MOD 0 (L283)												
HARDWARE:												
COMPLETE ROUND										0.482	9,701	52.78
SIMULATOR, TANK MAIN GUN M30 (DODIC LA06)												
COMPLETE ROUND							0.070	23,841	3.02	0.070	22,508	3.11
PRODUCT												
INDUSTRIAL STOCK SUPPORT	0.036			0.035			0.025			0.001		
PRODUCTION ENGINEERING	0.325			0.256			0.152			0.431		
QUALITY ASSURANCE	0.009			0.082			0.099			0.106		
TOTAL	6.332			4.987			5.025			7.231		

Exhibit P-5a, Procurement History and Planning				Weapon System		Date: FEBRUARY 2005				
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	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
GRENADE,LAUNCHER SMOKE IR/M76(DODIC G826)										
LAP, COMPLETE ROUND G826										
FY 2005	12,177	90.00	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	OCT 04	SEP 06	MAR 08	YES	
FY 2007	3,690	100.00	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	SEP 08	MAR 10	YES	
FUZE,GRENADE HAND PRACT M228(DODIC G878)										
LAP, COMPLETE ROUND G878										
FY 2004	1,397,213	3.23	JMC, ROCK ISLAND, IL	C/FFP	MARTIN ELECTRONICS INDUSTRIES PERRY, FL	OCT 03	SEP 05	MAR 06	YES	
FY 2006	937,802	4.55	JMC, ROCK ISLAND, IL	C/FFP	MARTIN ELECTRONICS INDUSTRIES PERRY, FL	UNKNOWN	SEP 07	MAR 08	YES	
FY 2007	658,561	4.88	JMC, ROCK ISLAND, IL	C/FFP	MARTIN ELECTRONICS INDUSTRIES PERRY, FL	UNKNOWN	SEP 08	MAR 09	YES	
GRENADE,HAND FRAG M67(DODIC G881)										
LAP, COMPLETE ROUND G881										
FY 2005	140,028	9.67	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	OCT 04	MAR 05	JAN 06	NO	
GRENADE,HAND SMOKE GREEN M18(DODIC G940)										
LAP, COMPLETE ROUND G940										
FY 2004	24,364	38.79	JMC, ROCK ISLAND, IL	C/FFP	AAP PINE BLUFF AR	OCT 03	SEP 04	MAR 06	YES	
FY 2006	14,538	41.41	JMC, ROCK ISLAND, IL	C/FFP	AAP PINE BLUFF AR	UNKNOWN	SEP 06	MAR 08	YES	
FY 2007	14,538	42.65	JMC, ROCK ISLAND, IL	C/FFP	AAP PINE BLUFF AR	UNKNOWN	SEP 07	MAR 09	YES	

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (147100) ROCKETS, ALL TYPES					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	19.384	21.267	0.000	6.653	10.002	13.737	17.046	15.223		103.312
Description: This line includes Rockets, All Types.											
The cartridge and launcher, 84mm M136 AT-4 (DODIC C995) is mainly employed against armored personnel carriers; it can be used against battle tanks when fired at the flanks or rear; and 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 Rocket, 83mm Assault MK3, Mod 0 (SMAW) (DODIC HX05) is designed for use against reinforced concrete, sandbag and timber bunkers, brick and block walls, and lightly armored vehicles. The Rocket, 83mm High Explosive Anti-Armor (MEAA) MK6, Mod 0 (SMAW) (HX06) is designed especially for use against main battle tanks and other armored vehicles. Both the HX05 and HX06 are unguided, dual mode, high explosive rockets contained in a disposable one-shot rocket container. The Rocket, High Explosive, 66mm M72A7 (DODIC HA29) is a lightweight, single shot, disposable weapon optimized to defeat lightly armored vehicles and other hard targets at close combat ranges.											

Exhibit P-5, Cost Analysis				Date: FEBRUARY 2005								
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	ID Code: A	P-1 Line Item Nomenclature: (147100) ROCKETS, ALL TYPES										
	FY04			FY05			FY06			FY07		
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
CARTRIDGE AND LAUNCHER,												
84MM M136 AT-4 (DODIC C995)												
COMPLETE ROUND	6.157	4,104	1500.24	5.123	3,412	1501.47						
ROCKET, 83MM DUAL MODE (DODIC HX05)												
COMPLETE ROUND	13.227	7,359	1797.17	13.594	7,507	1810.75						
ROCKET, 83MM HEAA (DODIC HX06)												
COMPLETE ROUND										6.091	4,000	1662.25
RCKT, 66MM HE M72A7 LAW (DODIC HA29)												
COMPLETE ROUND				2.550	1,136	2244.72						
PRODUCT										0.155		
ACCEPTANCE TESTING										0.259		
PRODUCTION ENGINEERING										0.148		
QUALITY ASSURANCE												
TOTAL	19.384			21.267						6.653		

Exhibit P-21, Production Schedule														Date: FEBRUARY 2005																			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition												Weapon System		P-1 Line Item DODIC and Nomenclature: (147100) DODIC: HX06, ROCKET, 83MM HEAA																			
						PRODUCTION RATE					PROCUREMENT LEADTIMES																						
Item				Manufacturer's Name and Location			MSR	ECON	MAX	ALT Prior to Oct 1		ALT After to Oct 1		Intitial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure													
HX06				UNKNOWN			1500	750	1800	12		1		11		6		24		E													
						Fiscal Year 2004										Fiscal Year 2005																	
						Calendar Year 2004										Calendar Year 2005																	
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
HX06				04	MC	0.00	0.00	0.00																									0.00
				05	MC	0.00	0.00	0.00																									0.00
				06	MC	0.00	0.00	0.00																									0.00
				07	MC	4.00	0.00	4.00																									4.00
						Fiscal Year 2006										Fiscal Year 2007																	
						Calendar Year 2006										Calendar Year 2007																	
				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
HX06				04	MC	0.00	0.00	0.00																									0.00
				05	MC	0.00	0.00	0.00																									0.00
				06	MC	0.00	0.00	0.00																									0.00
				07	MC	4.00	0.00	4.00																									4.00

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005																					
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition															Weapon System					P-1 Line Item DODIC and Nomenclature: (147100) DODIC: HX06, ROCKET, 83MM HEAA																
										PRODUCTION RATE					PROCUREMENT LEADTIMES																					
Item					Manufacturer's Name and Location					MSR	ECON	MAX	ALT Prior to Oct 1					ALT After to Oct 1					Initial Mfg PLT					Reorder Mfg PLT					Total		Unit of Measure	
HX06					UNKNOWN					1500	750	1800	12					1					11					6					24		E	
Fiscal Year 2008															Fiscal Year 2009																					
Calendar Year 2008															Calendar Year 2009																					
Item	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						
HX06	04	MC	0.00	0.00	0.00																															
	05	MC	0.00	0.00	0.00																															
	06	MC	0.00	0.00	0.00																															
	07	MC	4.00	0.00	4.00		A											0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.37	0.00					
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						
	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						
HX06	04	MC	0.00	0.00	0.00																															
	05	MC	0.00	0.00	0.00																															
	06	MC	0.00	0.00	0.00																															
	07	MC	4.00	4.00	0.00																										#####					

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (147300) ARTILLERY, ALL TYPES					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	52.018	55.384	31.810	42.398	48.169	45.020	80.065	61.205		416.069
Description: The Projectile, 155mm High Explosive (HE) M795 (DODIC D529) is used in the 155mm M198 Howitzer and is compatible with the M777 Light Weight 155 Howitzer. This projectile is used to provide conventional support fires and provides an increase in range, lethality, and accuracy over the older M107 series 155mm projectile. The Projectile, 155mm High Explosive (HE) M107 (DODIC D544) is used in the 155mm M198 Howitzer and is compatible with the M777 Light Weight 155 Howitzer. This projectile is used to provide conventional support fires. The Projectile, 155mm Smoke White Phosphorus (WP) M110A2 (DODIC D550) is used in the 155mm M198 Howitzer and is compatible with the M777 Light Weight 155 Howitzer. This projectile is used to provide smoke for marking purposes and can be used to provide screening of mechanized or infantry maneuver. The M231 is a Low-Zone Modular Artillery Charge System (MACS) (DODIC DA12) used as a propelling charge for the 155mm family of artillery projectiles. MACS M231 will offer improvements in logistics, range, and simplicity when compared to existing bag propellants (M3 series and M4 series). The M232 is a Top-Zone Modular Artillery Charge System (MACS) (DODIC DA13) used as a propelling charge for the 155mm family of artillery projectiles. MACS M232 will offer improvements in logistics, range, and simplicity when compared to existing bag propellants (M203 series, M119 series and M4 series).											

Exhibit P-5, Cost Analysis													Date: FEBRUARY 2005
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											
		FY04			FY05			FY06			FY07		
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	
PROJ, 155MM HE EX RANGE M795 (DODIC D529)													
LAP, PROJ 155MM M795	5.882	49,472	118.25	4.396	37,731	116.51	1.375	13,840	99.35	2.180	20,786	104.88	
LIFTING PLUGS	0.356	51,248	6.95	0.266	38,873	6.84	0.083	14,259	5.82	0.132	21,415	6.16	
PROJ M795 MPTS	10.585	51,248	206.54	7.911	38,873	203.51	2.474	14,259	173.50	3.923	21,415	183.19	
SUPPLEMENTAL CHARGES	0.253	51,248	4.94	0.189	38,873	4.86	0.059	14,259	4.14	0.094	21,415	4.39	
TNT TYPE I GRADE A(LB)	3.693	1,240,535	2.98	2.760	940,988	2.93	0.863	345,161	2.50	1.369	518,390	2.64	
WOODEN PALLETS	0.29	6,030	48.09	0.217	4,574	47.44	0.068	1,678	40.52	0.108	2,520	42.86	
PROJ, 155MM HE M107 (DODIC D544)													
LAP, PROJ 155MM M107	8.541	59,670	82.96	3.232	45,317	71.32	4.208	37,203	113.11	4.884	31,553	154.79	
*COMP B TYPE 1 GRADE A(LB)	5.203	1,013,962	2.97	1.969	770,064	2.56	2.564	632,184	4.06	2.975	536,175	5.55	
*PLUG, SHOCK ATTENUATING	0.230	60,483	2.20	0.087	45,934	1.89	0.113	37,710	3.00	0.131	31,983	4.10	
*SUPPLEMENTAL CHARGES	0.476	60,483	4.56	0.180	45,934	3.92	0.234	37,710	6.21	0.272	31,983	8.50	
GROMMET (EA)	0.164	61,076	1.56	0.062	46,385	1.34	0.081	38,080	2.13	0.094	32,297	2.91	
PROJ M107 MPTS	13.831	60,483	132.55	5.234	45,934	113.95	6.815	37,710	180.72	7.909	31,983	247.29	
RECLAIM OP F/SUPL CHARGE	0.645	60,483	6.18	0.244	45,934	5.31	0.318	37,710	8.43	0.369	31,983	11.54	
PRODUCT													
ACCEPTANCE TESTING	0.444			0.291			0.133			0.187			
PRODUCTION ENGINEERING	1.012			0.657			0.306			0.429			
QUALITY ASSURANCE	0.263			0.127			0.110			0.135			
INTERIM TRANSPORTATION	0.024			0.009			0.012			0.014			
Sub Total	51.892			27.831			19.816			25.205			

Exhibit P-5, Cost Analysis									Date: FEBRUARY 2005			
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										
	FY04			FY05			FY06			FY07		
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE:												
PROJ, 155MM WP M110A2 (DODIC D550)												
LAP, PROJ 155MM M1110A2				0.964	3,516	274.28	1.575	5,530	284.81	1.934	6,730	287.37
*TNT TYPE I FLAKE (LB)				0.001	795	2.34	0.002	1,250	1.60	0.002	1,521	1.31
CASING BSTR (EA)				0.218	3,593	60.74	0.356	5,651	63.00	0.437	6,877	63.55
CHG BSTR M54A1 ASSY (EA)				0.328	3,632	90.44	0.536	5,712	93.84	0.658	6,951	94.66
CYCLOTOL 75/25 TYPE I				0.047	6,876	6.85	0.077	10,815	7.12	0.094	13,162	7.22
GROMMET (EA)				0.006	3,632	1.84	0.010	5,712	1.75	0.012	6,951	1.73
PLUG, SHOCK ATTENUATING				0.027	3,593	7.65	0.044	5,651	7.79	0.054	6,877	7.85
PROJ, 155MM WP M110A1 MPTS (EA)				1.021	3,593	284.35	1.668	5,651	295.17	2.048	6,877	297.80
155MM MOD ARTY CHG SYS M231 (DODIC DA12)												
LAP, COMPLETE ROUND M231	5.513	73,089	75.43	14.446	187,003	77.25	4.576	57,510	79.57	5.992	73,129	81.94
155MM MOD ARTY CHG SYS M232 (DODIC DA13)												
LAP, COMPLETE ROUND M232				10.043	98,187	102.29	4.565	43,331	105.35	7.303	67,311	108.50
PRODUCT												
ACCEPTANCE TESTING	0.185			0.917			0.451			0.624		
INTERIM TRANSPORTATION												
PRODUCTION ENGINEERING	0.275			1.443			0.796			1.087		
QUALITY ASSURANCE	0.051			0.325			0.246			0.323		
NONRECURRING												
GOVERNMENT FURNISHED MATERIAL	-5.898			-2.233			-2.908			-3.375		
Sub Total	0.126			27.553			11.994			17.193		
P-5 Total	52.018			55.384			31.810			42.398		

Exhibit P-5a, Procurement History and Planning			Weapon System		Date: FEBRUARY 2005					
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	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
PROJ, 155MM HE EX RANGE M795 (DODIC D529)										
LAP, PROJ, 155MM M795										
FY 2004	49,742	118.25	ARDEC, PICATINNEY, NJ	C/FFP	AMERICAN ORDANCE, MIDDLETON, IA	OCT 03	DEC 03	MAR 05	YES	
FY 2005	37,731	116.51	ARDEC, PICATINNEY, NJ	C/FFP	Day & Zimmerman, Parsons, KS	OCT 04	DEC 04	MAR 06	YES	
FY 2006	13,840	99.35	ARDEC, PICATINNEY, NJ	C/FFP	Day & Zimmerman, Parsons, KS	UNKNOWN	DEC 05	MAR 07	YES	
FY 2007	20,786	104.88	ARDEC, PICATINNEY, NJ	C/FFP	Day & Zimmerman, Parsons, KS	UNKNOWN	DEC 06	MAR 08	YES	
LIFTING PLUGS										
FY 2004	51,248	6.95	ARDEC, PICATINNEY, NJ	C/FFP	MEDICO IND, WILKES-BARRE, PA	OCT 03	DEC 03	MAR 05	YES	
FY 2005	38,873	6.84	ARDEC, PICATINNEY, NJ	C/FFP	MEDICO IND, WILKES-BARRE, PA	OCT 04	DEC 04	MAR 06	YES	
FY 2006	14,259	5.82	ARDEC, PICATINNEY, NJ	C/FFP	MEDICO IND, WILKES-BARRE, PA	UNKNOWN	DEC 05	MAR 07	YES	
FY 2007	21,415	6.16	ARDEC, PICATINNEY, NJ	C/FFP	MEDICO IND, WILKES-BARRE, PA	UNKNOWN	DEC 06	MAR 08	YES	
PROJ M795 MPTS										
FY 2004	51,248	206.54	ARDEC, PICATINNEY, NJ	C/FFP	CHAMB MFG, SCRANTON, PA	OCT 03	DEC 03	MAR 05	YES	
FY 2005	38,873	203.51	ARDEC, PICATINNEY, NJ	C/FFP	CHAMB MFG, SCRANTON, PA	OCT 04	DEC 04	MAR 06	YES	
FY 2006	14,259	173.50	ARDEC, PICATINNEY, NJ	C/FFP	CHAMB MFG, SCRANTON, PA	UNKNOWN	DEC 05	MAR 07	YES	
FY 2007	21,415	183.19	ARDEC, PICATINNEY, NJ	C/FFP	CHAMB MFG, SCRANTON, PA	UNKNOWN	DEC 06	MAR 08	YES	
SUPPLEMENTAL CHARGES										
FY 2004	51,248	4.94	ARDEC, PICATINNEY, NJ	C/FFP	MCAL AAP, MCALESTER, OK	OCT 03	DEC 03	MAR 05	YES	
FY 2005	38,873	4.86	ARDEC, PICATINNEY, NJ	C/FFP	MCAL AAP, MCALESTER, OK	OCT 04	DEC 04	MAR 06	YES	
FY 2006	14,259	4.14	ARDEC, PICATINNEY, NJ	C/FFP	MCAL AAP, MCALESTER, OK	UNKNOWN	DEC 05	MAR 07	YES	
FY 2007	21,415	4.39	ARDEC, PICATINNEY, NJ	C/FFP	MCAL AAP, MCALESTER, OK	UNKNOWN	DEC 06	MAR 08	YES	
TNT TYPE I GRADE A(LB)										
FY 2004	1,240,535	2.98	ARDEC, PICATINNEY, NJ	C/FFP	MCAL AAP, MCALESTER, OK	OCT 03	DEC 03	MAR 05	YES	
FY 2005	940,988	2.93	ARDEC, PICATINNEY, NJ	C/FFP	MCAL AAP, MCALESTER, OK	OCT 04	DEC 04	MAR 06	YES	
FY 2006	345,161	2.50	ARDEC, PICATINNEY, NJ	C/FFP	MCAL AAP, MCALESTER, OK	UNKNOWN	DEC 05	MAR 07	YES	
FY 2007	518,390	2.64	ARDEC, PICATINNEY, NJ	C/FFP	MCAL AAP, MCALESTER, OK	UNKNOWN	DEC 06	MAR 08	YES	
WOODEN PALLETS										
FY 2004	6,030	48.09	ARDEC, PICATINNEY, NJ	C/FFP	KNOX CTY ASSOC. VINCENNES, IN	OCT 03	DEC 03	MAR 05	YES	
FY 2005	4,574	47.44	ARDEC, PICATINNEY, NJ	C/FFP	KNOX CTY ASSOC. VINCENNES, IN	OCT 04	DEC 04	MAR 06	YES	
FY 2006	1,678	40.52	ARDEC, PICATINNEY, NJ	C/FFP	KNOX CTY ASSOC. VINCENNES, IN	UNKNOWN	DEC 05	MAR 07	YES	
FY 2007	2,520	42.86	ARDEC, PICATINNEY, NJ	C/FFP	KNOX CTY ASSOC. VINCENNES, IN	UNKNOWN	DEC 06	MAR 08	YES	

Exhibit P-5a, Procurement History and Planning			Weapon System		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			P-1 Line (147300)		Item Nomenclature: ARTILLERY, ALL TYPES					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
PROJ, 155MM HE M107 (DODIC D544)										
LAP, PROJ, 155MM M107										
FY 2004	59,670	82.96	JMC, ROCK ISLAND, IL	C/FFP	AMERICAN ORDNANCE, MIDDLETON, IA	OCT 03	MAR 04	MAR 05	YES	
FY 2005	45,317	71.32	JMC, ROCK ISLAND, IL	C/FFP	AMERICAN ORDNANCE, MIDDLETON, IA	OCT 04	MAR 05	MAR 06	YES	
FY 2006	37,203	113.11	JMC, ROCK ISLAND, IL	C/FFP	AMERICAN ORDNANCE, MIDDLETON, IA	UNKNOWN	MAR 06	MAR 07	YES	
FY 2007	31,553	154.79	JMC, ROCK ISLAND, IL	C/FFP	AMERICAN ORDNANCE, MIDDLETON, IA	UNKNOWN	MAR 07	MAR 08	YES	
*COMP B TYPE I GRADE A(LB)										
FY 2004	1,013,962	2.97	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	OCT 03	MAR 04	MAR 05	YES	
FY 2005	770,064	2.56	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	OCT 04	MAR 05	MAR 06	YES	
FY 2006	632,184	4.06	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	UNKNOWN	MAR 06	MAR 07	YES	
FY 2007	536,175	5.55	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	UNKNOWN	MAR 07	MAR 08	YES	
*PLUG SHOCK ATTENUATING										
FY 2004	60,483	2.20	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	OCT 03	MAR 04	MAR 05	YES	
FY 2005	45,934	1.89	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	OCT 04	MAR 05	MAR 06	YES	
FY 2006	37,710	3.00	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	UNKNOWN	MAR 06	MAR 07	YES	
FY 2007	31,983	4.10	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	UNKNOWN	MAR 07	MAR 08	YES	
*SUPPLEMENTAL CHARGE										
FY 2004	60,483	4.56	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	OCT 03	MAR 04	MAR 05	YES	
FY 2005	45,934	3.92	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	OCT 04	MAR 05	MAR 06	YES	
FY 2006	37,710	6.21	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	UNKNOWN	MAR 06	MAR 07	YES	
FY 2007	31,983	8.50	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	UNKNOWN	MAR 07	MAR 08	YES	
GROMMET (EA)										
FY 2004	61,076	1.56	JMC, ROCK ISLAND, IL	C/FFP	CHAMB MFG, SCRANTON, PA	OCT 03	MAR 04	MAR 05	YES	
FY 2005	46,385	1.34	JMC, ROCK ISLAND, IL	C/FFP	CHAMB MFG, SCRANTON, PA	OCT 04	MAR 05	MAR 06	YES	
FY 2006	38,080	2.13	JMC, ROCK ISLAND, IL	C/FFP	CHAMB MFG, SCRANTON, PA	UNKNOWN	MAR 06	MAR 07	YES	
FY 2007	32,297	2.91	JMC, ROCK ISLAND, IL	C/FFP	CHAMB MFG, SCRANTON, PA	UNKNOWN	MAR 07	MAR 08	YES	
PROJ M107 MPTS										
FY 2004	60,483	132.55	JMC, ROCK ISLAND, IL	C/FFP	CHAMB MFG, SCRANTON, PA	OCT 03	MAR 04	MAR 05	YES	
FY 2005	45,934	113.95	JMC, ROCK ISLAND, IL	C/FFP	CHAMB MFG, SCRANTON, PA	OCT 04	MAR 05	MAR 06	YES	
FY 2006	37,710	180.72	JMC, ROCK ISLAND, IL	C/FFP	CHAMB MFG, SCRANTON, PA	UNKNOWN	MAR 06	MAR 07	YES	
FY 2007	31,983	247.29	JMC, ROCK ISLAND, IL	C/FFP	CHAMB MFG, SCRANTON, PA	UNKNOWN	MAR 07	MAR 08	YES	
RECLAIM OP F/SUPL CHARGE										
FY 2004	60,483	6.18	JMC, ROCK ISLAND, IL	C/FFP	MCAL AAP, MCALESTER, OK	OCT 03	MAR 04	MAR 05	YES	
FY 2005	45,934	5.31	JMC, ROCK ISLAND, IL	C/FFP	MCAL AAP, MCALESTER, OK	OCT 04	MAR 05	MAR 06	YES	
FY 2006	37,710	8.43	JMC, ROCK ISLAND, IL	C/FFP	MCAL AAP, MCALESTER, OK	UNKNOWN	MAR 06	MAR 07	YES	
FY 2007	31,983	11.54	JMC, ROCK ISLAND, IL	C/FFP	MCAL AAP, MCALESTER, OK	UNKNOWN	MAR 07	MAR 08	YES	

Exhibit P-5a, Procurement History and Planning			Weapon System		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line (147300)	Item Nomenclature: ARTILLERY, ALL TYPES					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
PROJ 155MM WP M110A2 (DODIC D550)										
LAP, PROJ, 155MM M110A2										
FY 2005	3,516	274.28	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	OCT 04	MAR 05	NOV 06	YES	
FY 2006	5,530	284.81	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 06	NOV 07	YES	
FY 2007	6,730	287.37	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 07	NOV 08	YES	
*TNT TYPE I FLAKE (LB)										
FY 2005	795	2.34	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	OCT 04	MAR 05	NOV 06	YES	
FY 2006	1,250	1.60	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	UNKNOWN	MAR 06	NOV 07	YES	
FY 2007	1,521	1.31	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	UNKNOWN	MAR 07	NOV 08	YES	
CASING BSTR (EA)										
FY 2005	3,593	60.74	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	OCT 04	MAR 05	NOV 06	YES	
FY 2006	5,651	63.00	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 06	NOV 07	YES	
FY 2007	6,877	63.55	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 07	NOV 08	YES	
CHG BSTR M54A1 ASSY (EA)										
FY 2005	3,632	90.44	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	OCT 04	MAR 05	NOV 06	YES	
FY 2006	5,712	93.84	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 06	NOV 07	YES	
FY 2007	6,951	94.66	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 07	NOV 08	YES	
CYCLOTOL 75/25 TYPE 1										
FY 2005	6,876	6.85	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	OCT 04	MAR 05	NOV 06	YES	
FY 2006	10,815	7.12	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 06	NOV 07	YES	
FY 2007	13,162	7.22	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 07	NOV 08	YES	
GROMMET (EA)										
FY 2005	3,632	1.84	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	OCT 04	MAR 05	NOV 06	YES	
FY 2006	5,712	1.75	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 06	NOV 07	YES	
FY 2007	6,951	1.73	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 07	NOV 08	YES	
PLUG SHOCK ATTENUATING										
FY 2005	3,593	7.65	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	OCT 04	MAR 05	NOV 06	YES	
FY 2006	5,651	7.79	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 06	NOV 07	YES	
FY 2007	6,877	7.85	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 07	NOV 08	YES	
PROJ, 155MM WP M110A2 MPTS (EA)										
FY 2005	3,593	284.35	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	OCT 04	MAR 05	NOV 06	YES	
FY 2006	5,651	295.17	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 06	NOV 07	YES	
FY 2007	3,877	297.80	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 07	NOV 08	YES	

Exhibit P-5a, Procurement History and Planning			Weapon System			Date: FEBRUARY 2005				
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	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
155MM CHG SYS M231 (DODIC DA12)										
LAP, M231										
FY 2004	73,089	75.43	ARDEC, PICATINNY, NJ	C/FFP	AMERICAN ORDNANCE, MIDDLETON, IA	OCT 03	JUL 04	MAR 06	YES	
FY 2005	187,003	77.25	ARDEC, PICATINNY, NJ	C/FFP	AMERICAN ORDNANCE, MIDDLETON, IA	OCT 04	JUL 05	MAR 07	YES	
FY2006	57,510	79.57	ARDEC, PICATINNY, NJ	C/FFP	AMERICAN ORDNANCE, MIDDLETON, IA	UNKNOWN	JUL 06	MAR 08	YES	
FY 2007	73,129	81.94	ARDEC, PICATINNY, NJ	C/FFP	AMERICAN ORDNANCE, MIDDLETON, IA	UNKNOWN	JUL 07	MAR 09	YES	
155MM CHG SYS M232 (DODIC DA13)										
LAP, M232										
FY 2005	98,187	102.29	ARDEC, PICATINNY, NJ	C/FFP	AMERICAN ORDNANCE, CAMDEN, AR	OCT 04	MAR 05	SEP 06	YES	
FY 2006	43,331	105.35	ARDEC, PICATINNY, NJ	C/FFP	AMERICAN ORDNANCE, CAMDEN, AR	UNKNOWN	MAR 06	SEP 07	YES	
FY 2007	67,311	108.50	ARDEC, PICATINNY, NJ	C/FFP	AMERICAN ORDNANCE, CAMDEN, AR	UNKNOWN	MAR 07	SEP 08	YES	

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005															
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition										Weapon System					P-1 Line Item DODIC and Nomenclature: (147300) DODIC: D529, PROJ 155MM HE EX RANGE M795															
					PRODUCTION RATE					PROCUREMENT LEADTIMES																				
Item			Manufacturer's Name and Location			MSR		ECON		MAX		ALT Prior to Oct 1		ALT After to Oct 1		Intitital Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure								
D529			American Ordnance, Middleton, IA			0.7		8		28		3		3		15		15		18		K								
Fiscal Year 2004										Fiscal Year 2005																				
Calendar Year 2004										Calendar Year 2005																				
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
D529	04	MC	49.7	0.0	49.7			A															4.1	4.1	4.1	4.1	4.1	4.1	4.1	21.0
	05	MC	37.7	0.0	37.7															A										37.7
	06	MC	13.8	0.0	13.8																									13.8
	07	MC	20.8	0.0	20.8																									20.8
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
D529	04	MC	49.7	28.7	21.0	4.1	4.1	4.1	4.1	4.6																				0.0
	05	MC	37.7	0.0	37.7						3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.6								0.0
	06	MC	13.8	0.0	13.8			A															1.2	1.2	1.2	1.2	1.2	1.2	1.2	5.4
	07	MC	20.8	0.0	20.8															A										20.8

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005																			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition										Weapon System					P-1 Line Item DODIC and Nomenclature: (147300) DODIC: D529, PROJ 155MM HE EX RANGE M795																			
										PRODUCTION RATE					PROCUREMENT LEADTIMES																			
Item				Manufacturer's Name and Location						MSR		ECON		MAX		ALT Prior to Oct 1			ALT After to Oct 1			Intitial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure						
D529				American Ordnance, Middleton, IA						0.7		8		28		3			3			15		15		18		K						
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 V	D E C	J A N	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	
D529				04	MC	49.7	49.7	0.0																								0.0		
				05	MC	37.7	51.2	0.0																								0.0		
				06	MC	13.8	8.4	5.4	1.2	1.2	1.2	1.2	0.6																			0.0		
				07	MC	20.8	0.0	20.8						1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1							0.0		
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 V	D E C	J A N	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	
D529				04	MC	49.7	49.7	0.0																								0.0		
				05	MC	37.7	37.7	0.0																								0.0		
				06	MC	13.8	13.8	0.0																								0.0		
				07	MC	20.8	20.8	0.0																								0.0		

Exhibit P-21, Production Schedule																Date: FEBRUARY 2005																			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition												Weapon System				P-1 Line Item DODIC and Nomenclature: (147300) DODIC: D544 PROJ, 155MM HE M107																			
								PRODUCTION RATE								PROCUREMENT LEADTIMES																			
Item				Manufacturer's Name and Location				MSR		ECON		MAX		ALT Prior to Oct 1		ALT After to Oct 1		Intitial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure											
D544				American Ordnance, Middleton, IA				8.6		25		42.3		6		6		12		12		18		K											
								Fiscal Year 2004								Fiscal Year 2005																			
								Calendar Year 2004												Calendar Year 2005															
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				
D544		04	MC	59.7	0.0	59.7						A												5.0	5.0	5.0	5.0	5.0	5.0	5.0	24.7				
		05	MC	45.3	0.0	45.3																		A							45.3				
		06	MC	37.2	0.0	37.2																									37.2				
		07	MC	31.6	0.0	31.6																									31.6				
								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				
D544		04	MC	59.7	35.0	24.7	5.0	5.0	5.0	5.0	4.7																				0.0				
		05	MC	45.3	0.0	45.3						3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.5								0.0				
		06	MC	37.2	0.0	37.2						A												3.1	3.1	3.1	3.1	3.1	3.1	3.1	15.5				
		07	MC	31.6	0.0	31.6																		A							31.6				

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005																			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition										Weapon System					P-1 Line Item DODIC and Nomenclature: (147300) DODIC: D544 PROJ, 155MM HE M107																			
										PRODUCTION RATE					PROCUREMENT LEADTIMES																			
Item					Manufacturer's Name and Location					MSR		ECON		MAX		ALT Prior to Oct 1			ALT After to Oct 1			Intitial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure						
D544					American Ordnance, Middleton, IA					8.6		25		42.3		6			6			12		12		18		K						
										Fiscal Year 2008										Fiscal Year 2009														
										Calendar Year 2008										Calendar Year 2009														
Item					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
D544					04	MC	59.7	24.7	0.0																								0.0	
					05	MC	45.3	45.3	0.0																								0.0	
					06	MC	37.2	21.7	15.5	3.1	3.1	3.1	3.1	3.1																			0.0	
					07	MC	31.6	0.0	31.6						2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.0							0.0	
										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
					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
Item																																		
D544					04	MC	59.7	24.7	0.0																								0.0	
					05	MC	45.3	45.3	0.0																								0.0	
					06	MC	37.2	37.2	0.0																								0.0	
					07	MC	31.6	31.6	0.0																								0.0	

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005																
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition										Weapon System					P-1 Line Item DODIC and Nomenclature: (147300) DODIC: D550 PROJ, 155MM WP M110A2																
								PRODUCTION RATE							PROCUREMENT LEADTIMES																
Item				Manufacturer's Name and Location				MSR		ECON		MAX			ALT Prior to Oct 1		ALT After to Oct 1		Intitial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure						
D550				UNKNOWN				8		13		30			6		6		20		20		26		K						
								Fiscal Year 2004										Fiscal Year 2005													
										Calendar Year 2004										Calendar Year 2005											
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
D550		04	MC	0.00	0.00	0.00																									0.00
		05	MC	3.52	0.00	3.52																			A						3.52
		06	MC	5.53	0.00	5.53																									5.53
		07	MC	6.73	0.00	6.73																									6.73
								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
D550		04	MC	0.00	0.00	0.00																									0.00
		05	MC	3.52	0.00	3.52														0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.33
		06	MC	5.53	0.00	5.53						A																			5.53
		07	MC	6.73	0.00	6.73																		A							6.73

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005																	
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition										Weapon System					P-1 Line Item DODIC and Nomenclature: (147300) DODIC: D550 PROJ, 155MM WP M110A2																	
							PRODUCTION RATE								PROCUREMENT LEADTIMES																	
Item				Manufacturer's Name and Location				MSR		ECON		MAX		ALT Prior to Oct 1		ALT After to Oct 1		Intitial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure								
D550				Pine Bluff, Arsenal, AR				8		13		30		6		6		20		20		26		K								
							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	
D550		04	MC	0.00	0.00	0.00																									0.00	
		05	MC	3.52	3.19	0.33	0.33																								0.00	
		06	MC	5.53	0.00	5.53		0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.47													0.00	
		07	MC	6.73	0.00	6.73														0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.57	
							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	
D550		04	MC	0.00	0.00	0.00																									0.00	
		05	MC	3.52	3.52	0.00																									0.00	
		06	MC	5.53	5.53	0.00																									0.00	
		07	MC	6.73	6.16	0.57	0.57																								0.00	

Exhibit P-21, Production Schedule															Date: FEBRUARY 2005																				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition										Weapon System					P-1 Line Item DODIC and Nomenclature: (147300) DODIC: DA12, 155MM MOD ARTY CHG SYS M231																				
										PRODUCTION RATE					PROCUREMENT LEADTIMES																				
Item					Manufacturer's Name and Location					MSR	ECON			MAX		ALT Prior to Oct 1		ALT After to Oct 1		Intitial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure									
DA12					AMERICAN ORDNANCE, MIDDLETON, IA					1	12			50		10		10		20		20		30		K									
										Fiscal Year 2004										Fiscal Year 2005															
										Calendar Year 2004										Calendar Year 2005															
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	
DA12					04	MC	73.1	0.0	73.1										A															73.1	
					05	MC	187	0	187																						A			187	
					06	MC	57.5	0.0	57.5																									57.5	
					07	MC	73.1	0.0	73.1																									73.1	
										Fiscal Year 2006										Fiscal Year 2007															
										Calendar Year 2006										Calendar Year 2007															
					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	
DA12					04	MC	73.1	0.0	73.1						6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.0							0.0	
					05	MC	187	0	187																			16	16	16	16	16	16	16	75.0
					06	MC	57.5	0.0	57.5										A															57.5	
					07	MC	73.1	0.0	73.1																						A			73.1	

Date:
FEBRUARY 2005

P-1 Line Item DODIC and Nomenclature:
(147300) DODIC: DA12, 155MM MOD ARTY CHG SYS M231

Exhibit P-21, Production Schedule														Date: FEBRUARY 2005																			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition														Weapon System		P-1 Line Item DODIC and Nomenclature: (147300) DODIC: DA13, 155MM MOD ARTY CHG SYS M232																	
										PRODUCTION RATE					PROCUREMENT LEADTIMES																		
Item				Manufacturer's Name and Location						MSR		ECON		MAX		ALT Prior to Oct 1		ALT After to Oct 1		Intitial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure							
DA13				AMERICAN ORDNANCE, CAMDEN, AR						1		12		50		6		6		18		18		24		K							
										Fiscal Year 2004										Fiscal Year 2005													
										Calendar Year 2004										Calendar Year 2005													
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
DA13				04	MC	0.0	0.0	0.0																								0.0	
				05	MC	98.2	0.0	98.2																		A						98.2	
				06	MC	43.3	0.0	43.3																								43.3	
				07	MC	67.3	0.0	67.3																								67.3	
										Fiscal Year 2006										Fiscal Year 2007													
										Calendar Year 2006										Calendar Year 2007													
				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
Item																																	
DA13				04	MC	0.0	0.0	0.0																								0.0	
				05	MC	98.2	0.0	98.2												8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.0		0.0
				06	MC	43.3	0.0	43.3						A																	3.6	39.7	
				07	MC	67.3	0.0	67.3																	A							67.3	

Exhibit P-21, Production Schedule														Date: FEBRUARY 2005																					
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition														Weapon System			P-1 Line Item DODIC and Nomenclature: (147300) DODIC: DA13, 155MM MOD ARTY CHG SYS M232																		
										PRODUCTION RATE					PROCUREMENT LEADTIMES																				
Item					Manufacturer's Name and Location					MSR	ECON	MAX	ALT Prior to Oct 1		ALT After to Oct 1		Intitial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure												
DA13					AMERICAN ORDNANCE, CAMDEN, AR					1	12	50	6		6		18		18		24		K												
										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	
DA13					04	MC	0.0	0.0	0.0																									0.0	
					05	MC	98.2	98.2	0.0																									0.0	
					06	MC	43.3	3.6	39.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7														0.0	
					07	MC	67.3	0.0	67.3													5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7		0.0
										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	
DA13					04	MC	0.0	0.0	0.0																									0.0	
					05	MC	98.2	98.2	0.0																									0.0	
					06	MC	43.3	43.3	0.0																									0.0	
					07	MC	67.3	67.3	0.0																									0.0	

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (147500) EXPEDITIONARY FIGHTING VEHICLE					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	0.000	2.464	5.738	9.504	28.730	14.875	15.631	16.030		92.972
Description: Target Practice - Tracer (TP-T) (DODIC AA65) provides a low cost round to train and sustain 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 concerns of unexploded ordnance associated with High Explosive ammunition, nor the distance of flight issues with the Armor Piercing Fin Stabilized Discarding Sabot-Tracer round. The High Explosive - Tracer (HE-T) (DODIC B002) is the 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 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 HE round. The combination of the hardened nose and a base fuse functioning with a slight delay, allow the HE to penetrate and detonate inside hardened targets. The kinetic energy Armor Piercing Fin Stabilized Discarding Sabot - Tracer (APFSDS-T) (DODIC B003) round will be utilized by the EFV to defeat extremely "hard" targets such as infantry fighting vehicles. The APFSDS rounds utilize a long rod type of penetrator, which provides a highly efficient means of deep penetration into materials such as metals (steel, RHA, etc.), concrete, ceramics, and other highly resistant target materials. Unlike most APFSDS 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-40a, Budget Item Justification for Aggregated Items										Date: FEBRUARY 2005	
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (147500) EXPEDITIONARY FIGHTING VEHICLE						
	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
CTG, 30MM TP-T (DODIC AA65)	A	0.000	2.080	5.399	3.657						
QTY		0	69,746	178,140	118,401						
CTG, 30MM HE-T (DODIC B002)	A	0.000	0.115	0.102	3.489						
QTY		0	1.291	1,116	37,644						
CTG, 30MM APFSDS-T (DODIC B003)	A	0.000	0.269	0.237	2.358						
QTY		0	1,291	1,116	10,903						

Exhibit P-40, Budget Item Justification							Date: FEBRUARY 2005				
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	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	5.784	3.257	2.353	0.128	0.766	2.404	28.271	0.000		42.963
Description: This line includes DEMOLITIONS, ALL TYPES. The Combat Breacher Vehicle (CBV) is a full tracked armored combat engineer vehicle specifically designed for conducting in-stride and deliberate breaching of minefields and complex obstacles. Based on an Improved Performance M1 Abrams (IPM1) Main Battle Tank chassis, it provides the latest technology in crew protection and vehicle survivability while having the speed and mobility to keep pace with the maneuver force. The Charge, Demolition Block Trinitrotoluene (TNT) 1/4-Pound (DODIC M030) is a standard demolition charge; however, it is primarily used for training purposes. The demolition block charge is issued in an olive drab cylindrical waterproof cardboard container. Each box of 192 charges is provided with 48 M14A1 Priming Adapters. The Charge, Demolition Block Trinitrotoluene (TNT) 1/2-Pound (DODIC M031) is used for general demolition purposes and is primarily effective as a cutting or breaching charge, except for special steel-cutting charges. TNT charges have a high detonating velocity, and may be used in underwater operations. Funds for this item are included in the outyears in this line item. 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. TNT charges have a high detonating velocity, and may be used in underwater operations. This charge is enclosed in an olive drab water-resistant fiberboard container having metal end closures. One end is provided with a cap well to receive an electric or non-electric blasting cap. The Cap, Blasting Electric M6 (DODIC M130) is 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. This blasting cap is waterproof and can be used in underwater demolition. The M6 Blasting Cap consists of an aluminum alloy tube containing a compressed charge of RDX or PETN and an ignition charge. 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. The flame from a time blasting fuse or firing device is transferred to the ignition charge in the cap. The ignition charge ignites the priming charge, which in turn detonates the base charge. 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. Funds for this item are included in the outyears in this line item. The Container, Demolition Charge MK7 Mod 1 (DODIC M477) is used as a form or mold in which plastic explosive can be pressed into a linear charge. The container has a V-shaped cavity to mold the explosive linear charge. The charge is designed to snap together with other MK7 Mod 1 containers The Cutter, High Explosive MK23 Mod 0 (DODIC ML04) is used for cutting or disrupting techniques against ordnance items. The charge consists of a plastic case, stand, and a metal sight. The main charge is 70/30 octol. The charge can be set up for electrical or non-electrical initiation using standard blasting caps. Funds for this item are included in the outyears in this line item.											

Exhibit P-40, Budget Item Justification							Date: FEBRUARY 2005				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine				P-1 Item Nomenclature: (150000) DEMOLITION MUNITIONS, ALL TYPES							
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	5.784	3.257	2.353	0.128	0.766	2.404	28.271	0.000		42.963
Continued: The Cutter, High Explosive MK24 Mod 0 (DODIC ML05) is used for cutting or disrupting techniques against ordnance items. The charge consists of a plastic case, stand, and a metal sight. The main charge is 70/30 octol. The charge can be set up for electrical or non-electrical initiation using standard blasting caps.											
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. 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. 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 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 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. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action. Funds for this item are included in the outyears in this line item.											
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. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.											
The Firing Device, Demolition Multi-Purpose M142 (DODIC ML03) is used 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											

Exhibit P-40, Budget Item Justification							Date: FEBRUARY 2005				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine				P-1 Item Nomenclature: (150000) DEMOLITION MUNITIONS, ALL TYPES							
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	5.784	3.257	2.353	0.128	0.766	2.404	28.271	0.000		42.963
Continued: 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. Funds for this item are included in the outyears in this line item.											
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. 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. This charge contains 2400 grains per foot of a commercial plastic bonded explosive. Funds for this item are included in the outyears in this line item.											
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).											
Igniter, Time Blasting Fuse, M81 with Shock Tube Capability (DODIC MN08) is used to ignite time blasting fuse or to initiate the shock tube of the new shock tube Non-electric blasting caps.											
The Firing Device, Handheld (Inert) MK 54 MOD0 (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.											
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).											

Exhibit P-40a, Budget Item Justification for Aggregated Items										Date: FEBRUARY 2005	
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (150000) DEMOLITION MUNITIONS, ALL TYPES					
Procurement Items	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
EOD DEVICE, MK 7 MOD 1 (DODIC M477)	A	0.000	0.000	0.002	0.001						
QTY		0	0	144	70						
FIRING DEV, DEMO MULTI (DODIC ML03)	A	0.000	0.000	0.203	0.000						
QTY		0	0	10,119	0						
CTR PWDR ACTUATED (DODIC ML05)	A	0.000	0.000	0.077	0.078						
QTY		0	0	149	146						
CHG, DEMO FLC 30 GR/FT (DODIC MM41)	A	0.000	0.000	0.012	0.007						
QTY		0	0	252	147						
CHG, DEMO FLC 40 GR/FT (DODIC MM42)	A	0.000	0.000	0.027	0.022						
QTY		0	0	644	525						
CHG, DEMO FLC 60 GR/FT (DODIC MM43)	A	0.000	0.000	0.009	0.006						
QTY		0	0	221	143						
CHG, DEMO FLC 400 GR/FT (DODIC MM47)	A	0.000	0.000	0.052	0.000						
QTY		0	0	710	0						
P-40a Sub Total		0.000	0.000	0.382	0.114						

Exhibit P-40a, Budget Item Justification for Aggregated Items										Date: FEBRUARY 2005	
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (150000) DEMOLITION MUNITIONS, ALL TYPES						
Procurement Items	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
CHG, DEMO FLC 600 GR/FT (DODIC MM51)	A	0.000	0.000	0.017	0.012						
QTY		0	0	550	377						
DET, PERC 175MS DELAY (DODIC MM56)	A	0.000	0.000	0.460	0.00						
QTY		0	0	5,000	0						
DUAL FIRING DEVICE MK54 (DODIC MN14)	A	0.000	0.000	0.004	0.002						
QTY		0	0	26	12						
Detonator, Non-Electric (DODIC MN52)	A	0.019	0.000	0.000	0.000						
QTY		206	0	0	0						
CBV Ammo Development Rqmt	A	0.000	0.245	0.000	0.000						
QTY		0	0	0	0						
Sub Total		0.019	0.245	0.481	0.014						
P-40a Total		0.019	0.245	0.863	0.128						

Exhibit P-5, Cost Analysis								Date: FEBRUARY 2005				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	ID Code: A	P-1 Line Item Nomenclature: DEMOLITION MUNITIONS, ALL TYPES (150000)										
WBS COST ELEMENTS	FY04			FY05			FY06			FY07		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
CHARGE, DEMO BLOCK 1/4 LB TNT (DODIC M030)												
LOAD, ASSEMBLE, PACK (LAP)	0.054	3,403	15.87									
TNT TYPE I FLAKE (LB)	0.006	1,320	4.55									
CHARGE, DEMO BLOCK 1 LB TNT (DODIC M032)												
CHG DEMO BLK TNT 1 LB							0.717	61,282	11.70			
CAP BLASTING ELEC M6 (DODIC M130)												
COMPLETE ROUND	1.554	69,848	22.25	0.992	47,214	21.01						
CAP BLASTING NON-ELEC M7 (DODIC M131)												
COMPLETE ROUND	3.081	311,842	9.88	1.990	206,326	9.64						
PRODUCT												
ACCEPTANCE TESTING	0.017			0.01								
PRODUCTION ENGINEERING	0.031			0.011			0.003					
QUALITY ASSURANCE	0.013			0.006								
P-5 Sub Total	4.756			3.009			0.720			0.000		

Exhibit P-5, Cost Analysis													Date: FEBRUARY 2005
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											
		FY04			FY05			FY06			FY07		
WBS COST ELEMENTS		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
IGNITER, TIME FUZE BLASTING (DODIC MN08)													
LOAD, ASSEMBLE & PACK (LAP)		1.006	174,652	5.76	0.003	553	5.42	0.767	145,540	5.27			
PRODUCT													
PRODUCTION ENGINEERING		0.002						0.002					
QUALITY ASSURANCE		0.001						0.001					
Sub Total		1.009			0.003			0.770			0.000		
P-5 Total		5.765			3.012			1.490			0.000		

Exhibit P-5a, Procurement History and Planning			Weapon System		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Line Item Nomenclature: DEMOLITION MUNITIONS, ALL TYPES (150000)					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
CHARGE, DEMO BLOCK 1/4 LB TNT (DODIC M030)										
LOAD, ASSEMBLE, PACK (LAP)										
FY 2004	3,403	15.87	JMC ROCK ISLAND, IL	C/FFP	AMTECH, HUNTSVILLE,AL	OCT 03	SEP 04	MAR 06	YES	
TNT TYPE I FLAKE (LB)										
FY 2004	1,320	4.55	JMC ROCK ISLAND, IL	C/FFP	AMTECH, HUNTSVILLE,AL	OCT 03	SEP 04	MAR 06	YES	
CHARGE, DEMO BLOCK 1 LB TNT (DODIC M032)										
CHG DEMO BLK TNT 1 LB										
FY 2006	61,282	11.70	JMC ROCK ISLAND,IL	C/FFP	AMTECH, HUNTSVILLE, AL	UNKNOWN	SEP 05	MAR 07	NO	
CAP BLASTING ELEC M6 (DODIC M130)										
COMPLETE ROUND										
FY 2004	69,848	22.25	JMC ROCK ISLAND, IL	C/FFP	STRESAU LABORATORY SPOONER, WI	OCT 03	SEP 04	MAR 06	YES	
FY 2005	47,214	21.01	JMC ROCK ISLAND, IL	C/FFP	STRESAU LABORATORY SPOONER, WI	OCT 04	SEP 06	MAR 08	YES	
CAP BLASTING NON-ELEC M7 (DODIC M131)										
COMPLETE ROUND										
FY 2004	311,842	9.88	JMC ROCK ISLAND, IL	C/FFP	TECHNICAL ORDNANCE, CLEAR LAKE, SD	OCT 03	SEP 04	MAR 06	YES	
FY 2005	206,326	9.64	JMC ROCK ISLAND, IL	C/FFP	TECHNICAL ORDNANCE, CLEAR LAKE, SD	OCT 04	SEP 05	MAR 07	YES	
IGNITER, TIME FUZE BLASTING (DODIC MN08)										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2004	174,652	5.76	JMC ROCK ISLAND, IL	C/FFP	MAST TECHNOLOGY, BOULDER CITY, NV	OCT 03	SEP 04	MAR 06	YES	
FY 2005	553	5.42	JMC ROCK ISLAND, IL	C/FFP	MAST TECHNOLOGY, BOULDER CITY, NV	OCT 04	SEP 05	MAR 07	YES	
FY 2006	145,540	5.27	JMC ROCK ISLAND, IL	C/FFP	MAST TECHNOLOGY, BOULDER CITY, NV	UNKNOWN	SEP 06	MAR 08	YES	

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (162500) FUZE, ALL TYPES					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	4.342	13.763	3.648	1.859	4.807	45.570	28.237	0.411		102.637
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 is compatible with the XM777 Lightweight Towed Howitzer Weapon System. Funds for this item are included in the outyear totals for this line item. The M782 Multi-Option Fuze for Artillery (MOFA) M782 (DODIC NA09) is compatible with all current 155mm bursting type artillery projectiles and is fired from the M198 155mm Medium Towed Howitzer and is compatible with the XM777 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. The M762A1 Electronic Time (ET) Fuze (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 is compatible with the XM777 Lightweight Towed Howitzer Weapon System.											

Exhibit P-5, Cost Analysis									Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			ID Code: A	P-1 Line Item Nomenclature: (162500) FUZE, ALL TYPES										
			FY04			FY05			FY06			FY07		
WBS COST ELEMENTS			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
FUZE, MULTI-OPTION FOR ARTILLERY M782 (DODIC NA09)														
LAP, COMPLETE ROUND M782			4.162	18,053	230.58	13.192	55,509	237.66	2.101	7,185	292.41			
FUZE, ELECTRONIC TIME M762A1 (DODIC NA17)														
LAP, COMPLETE ROUND									1.416	13,117	108.00	1.808	17,704	102.12
PRODUCT														
ACCEPTANCE TESTING			0.024			0.076			0.022			0.013		
PRODUCTION ENGINEERING			0.099			0.314			0.075			0.032		
QUALITY ASSURANCE			0.057			0.181			0.034			0.006		
TOTAL			4.342			13.763			3.648			1.859		

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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Line Item Nomenclature: (162500) FUZE, ALL TYPES
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Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (162800) NON LETHALS					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	3.679	1.141	1.127	1.229	2.974	0.656	0.316	0.386		11.508
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 cartridge case consists of a brass head containing a primer and propellant charge. The plastic sleeve contains a lead shot-filled fabric or nylon bag weighing between 585-685 grains. The cartridge is assembled with a roll crimp with end wad. The Cartridge, 12 Gauge Launching for Grenade Non-Lethal (DODIC AA30) is intended for use in crowd control situations where the use of non-lethal force is desired. This cartridge is used in conjunction with the 12-gauge launch cup on the M500, M590, and M870 12 gauge, Auto loading, and Pump-action Shotguns to launch the rubber ball non-lethal grenade (DODIC GG04). The cartridge case consists of a brass head containing a propellant charge mixture of smokeless powder and black powder in a ratio of approximately 3:1. The cartridge is assembled with a roll crimp with end wad. The plastic sleeve contains a rubber ball. 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 cartridge case consists of a brass head containing a propellant charge mixture of smokeless powder and black powder in a ratio of approximately 3:1. The transparent plastic sleeve contains a rubber, fin stabilized projectile. The cartridge is assembled with a roll crimp with end wad. 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. Each foam rubber weighs 250-280 grains. The foam rubber batons are separated from the propellant by an over powder wad and a plastic gas check. They are enclosed in the cartridge case by a felt washer and an end wad. The cartridge is sealed with polyurethane and the letter "F" on top of the end wad identifies the cartridge. 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 cartridge contains a primer and approximately 7.3 grains of double base smokeless propellant. Each rubber ball weighs about 34 grains. The rubber balls are separated from the propellant by an over powder wad and a plastic gas check, and enclosed in the cartridge case by a felt washer and an end wad. The cartridge is sealed with polyurethane and the letter "B" on top of the end wad identifies the cartridge.											

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine						P-1 Item Nomenclature: (162800) NON LETHALS					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	3.679	1.141	1.127	1.229	2.974	0.656	0.316	0.386		11.508
Description Continuation: 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. It consists of two major assemblies, the fuze system and the pyrotechnic charge system. The fuze system is made of 10% glass filled polyethylene and is provided with a striker, metal safety release lever, safety pin assembly, M42 Primer, first fire mixture, a delay column (T1) and a separation charge. The fuze system is threaded into the main body of the pyrotechnic charge system and sealed with an O-ring. The pyrotechnic charge system consists of a main body containing the secondary delay column (T2), ignition charge, and the pyrotechnic output charge. The cylindrical main body is made of machined rigid polyurethane foam and is enched with adhesive aluminum foil. The L96E1 grenade (DODIC FZ14) is comprised of a 66mm glass filled nylon propulsion base and a cylindrical rubber body containing the payload. The propulsion base and a cylindrical rubber body containing the payload. The propulsion base contains a gun powder propellant charge, an electric match (fuze) and a gun powder delay. The rubber body payload contains 23 individually fuzed rubber balls that are filled with tear gas of a CS compound . The L97E1 (DODIC FZ15) is identical in configuration to the L96E1 grenade. However, the L97E1 contains cinnamic acid (CA) which is a Ortho-Chlorobenzylidene Malano-nitrile (CS) stimulant, non-irritant smoke.. The M98 distraction grenade (DODIC FZ16) uses a pyrotechnic charge for crowd control through audio and visual stimuli. The M98 uses the same propulsion base as the M90 grenade, which contains electrical firing contacts and holds the grenade in the 66mm grenade launcher. The propulsion base contacts complete the electrical firing circuit for the electric match, which initiates the propulsion propellant. Immediately above the propulsion base is a pusher plate, and immediately above the pusher plate are three payload canisters. The entire design is encapsulated in an aluminum tube, with a cap crimped on one end and the propulsion base crimped into the other end. Once initiated, the propellant propels the pusher plate and the three canisters through the aluminum tube. Multiple holes in the pusher plate and a hole in each canister allow the launch propellant to push off the end cap and ignite the three pyrotechnic delays within the canisters. The delays are designed to allow the canisters to achieve maximum range and impact the ground before functioning. The M99 Blunt Trauma Grenade (DODIC FZ17) uses a pyrotechnic charge to discharge 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. Assembled to the body are a striker, striker spring, safety lever and safety pin with pull ring. The split end of the safety pin has an angular spread. The M201A1 (NSN 1330-00-293-9516) is used on smoke and incendiary grenades. The M201A1-1 (1330-01-456-5059) is used on the Grenade, Practice Body Non-Lethal (DODIC GG05). Removal of the safety pin permits release of the safety lever. When the safety lever is released, a striker acting under the force of a striker spring forces it away from the grenade body. The striker rotates on its own axis and strikes the percussion primer. This action initiates the delay element and ignition charge.											

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (162800) NON LETHALS					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	3.679	1.141	1.127	1.229	2.974	0.656	0.316	0.386		11.508
Description Continuation: The M90 Smoke Grenade (DODIC GG03) is a 66mm, soft launched, non-fragmenting, pyrotechnic smoke dispenser. The M90 screening smoke grenade is a 66mm electrically initiated, soft launched, non-fragmenting, pyrotechnic smoke grenade which creates an obscurant cloud for the LVOS. The M90 grenade consists of an aluminum body which houses the launch system and three individually dual-ported, core burning smoke canisters containing the screening payload, a Terephthalic Acid (TPA) smoke mix. The grenade is initiated by an electric match, which in turn initiates 1.38 grams of Class 4 Black Powder used for propulsion and to initiate impregnated patches made of Potassium Nitrate, Charcoal, and Gum Arabic Solution, which initiate each of the canisters. 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 rubber ball fragments have a minimum diameter of 0.25 inches. The grenade fuze is a M201A1-1 Pyrotechnic Delay-igniting Fuze. The fuze assembled contains a striker, striker spring, safety lever, safety pin with pull ring, and a detonator assembly. The split end of the safety pin has an angular spread. Safety clips are not required with these grenades. Removal of the safety pin permits release of the safety lever. When the safety lever is released, a striker acting under the force of a striker spring forces it away from the grenade body. The striker rotates on its own axis and strikes the percussion primer. The primer initiates the fuze delay element, which in turn initiates the detonator assembly. 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 Grenade, Practice Body Non-Lethal (DODIC GG13) will replace GG05 and 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/GG14). The Fuze, Hand Grenade (DODIC GG14) is a pyrotechnic delay-igniting fuze. The body contains a primer, first-fire mixture, pyrotechnic delay column, and ignition mixture. Assembled to the body are a striker, striker spring, safety lever and safety pin with pull ring. The split end of the safety pin has an angular spread. The M201A1 (NSN 1330-00-293-9516) is used on smoke and incendiary grenades. Removal of the safety pin permits release of the safety lever. When the safety lever is released, a striker acting under the force of a striker spring forces it away from the grenade body. The striker rotates on its own axis and strikes the percussion primer. This action initiates the delay element and ignition charge.											

Exhibit P-40a, Budget Item Justification for Aggregated Items									Date: FEBRUARY 2005		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (162800) NON LETHALS						
	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
CTG, 12 GA BEAN BAG, NON LETHAL (DODIC AA29)	A	0.195	0.000	0.000	0.000						
QTY		40,880	0	0	0						
CTG, 12 GA BLANK LAUNCHING (DODIC AA30)	A	0.030	0.000	0.000	0.000						
QTY		109,889	0	0	0						
CTG, 12 GA RUBBER, FIN STABILIZED (DODIC AA31)	A	0.079	0.000	0.000	0.000						
QTY		24,159	0	0	0						
CTG, 40MM FOAM RUBBER BATON (DODIC BA07)	A	0.727	0.000	0.000	0.000						
QTY		60,033	0	0	0						
CTG, 40MM RUBBER BALL (DODIC BA08)	A	0.575	0.000	0.000	0.000						
QTY		68,697	0	0	0						
CHARGE, DIVERSIONARY MK 141/0 (DODIC DWBS)	A	0.782	0.259	0.000	0.729						
QTY		17,842	6,722	0	18,451						
RIOT CONTROL (CS) GRENADE L96 (DODIC FZ14)	A	0.058	0.000	0.163	0.000						
QTY		714	0	1,888	0						
PRAC RIOT CONTRL (CS) GREN L97 (DODIC FZ15)	A	0.051	0.162	0.122	0.122						
QTY		658	2,025	1,481	1,425						
DISTRACTION GREN, M98 F/LVOS (FZ16)	A	0.126	0.000	0.328	0.000						
QTY		549	0	1,331	0						
P-40a Sub Total		2.623	0.421	0.613	0.851						

Exhibit P-40a, Budget Item Justification for Aggregated Items, Continuation									Date: FEBRUARY 2005		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (162800) NON LETHALS						
	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
BLUNT TRAUMA GREN, M99 F/LVOS (DODIC FZ17)	A	0.285	0.000	0.132	0.378						
QTY		1,179	0	521	1,423						
FUZE, GRENADE DETONATING (DODIC G874)	A	0.000	0.000	0.242	0.000						
QTY		0	0	69,428	0						
GRENADE, SMOKE M90 F/LVOS (DODIC GG03)	A	0.200	0.000	0.000	0.000						
QTY		2,298	0	0	0						
GRENADE, HAND, RUBBER BALL (DODIC GG04)	A	0.243	0.000	0.000	0.000						
QTY		8,917	0	0	0						
GRENADE, HAND, PRACTICE (DODIC GG05)	A	0.017	0.000	0.140	0.000						
QTY		1,584	0	12,313	0						
GRENADE, PRAC, BODY (DODIC GG13)	A	0.000	0.620	0.000	0.000						
QTY		0	54,577	0	0						
FUZE, HAND GRENADE (DODIC GG14)	A	0.311	0.100	0.000	0.000						
QTY		51,747	16,639	0	0						
P-40a Sub Total		1.056	0.720	0.514	0.378						
P-40a Total		3.679	1.141	1.127	1.229						

Exhibit P-40, Budget Item Justification							Date: FEBRUARY 2005				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (163000) AMMO MODERNIZATION						
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	4.907	7.095	7.350	7.712	8.144	8.511	8.895	9.293		61.907
Description: The 40MM 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. The Rockets 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. The Line Charges 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. The Components Ammunition Modernization (Ammo Mod) 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 (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. The Quality Evaluation 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.											

Exhibit P-40a, Budget Item Justification for Aggregated Items									Date: FEBRUARY 2005		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (163000) AMMO MODERNIZATION					
	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
CTG, 40MM AMMO MOD	A	0.000	1.159	1.206	1.354						
QTY											
ROCKETS AMMO MOD	A	0.387	1.187	1.228	1.272						
QTY											
LINE CHARGE AMMO MOD	A	1.229	1.187	1.228	1.272						
QTY											
COMPONENTS AMMO MOD	A	1.229	1.187	1.228	1.272						
QTY											
MISSILE COMP AMMO MOD	A	1.229	1.187	1.228	1.272						
QTY											
QUAL EVAL AMMO MOD	A	0.833	1.188	1.232	1.270						
QTY											
TOTAL		4.907	7.095	7.350	7.712						

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2005			
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					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	3.390	1.716	18.201	19.895	19.468	19.882	2.835	25.964		111.351
Description: Ammunition Components For Marine Rifle Team (DODIC A001). This funding 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 #00 Buckshot M162 (DODIC A011) is used for training, combat, and guard purposes with the M500, M590, and M870 12-gauge Auto-loading and Pump action Shotguns. Three types of outer casings distinguish DODIC A011; the M19 Brass Cartridge Case, the M162 Plastic Cartridge Case, and the waterproofed paper cartridge case that does not have an assigned model number. Each cartridge case consists of a metal (brass or plated steel) head containing a propellant charge and smokeless powder. 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 DODIC A222 contains a brass cartridge case, a primer and is loaded with 12 grains of propellant. The M1909 Cartridge is identified by the absence of a bullet and has as crimped cartridge case mouth. 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 M1911 Ball consists of a brass or steel cartridge case, a primer, propellant, and a lead-antimony slug. The Cartridge, .45 Caliber Wadcutter (DODIC A482) is intended for use in the M1911A1 .45 Caliber Pistol. The bullet has a sharp shoulder that acts as a hole punch to cut a clean hole in the target. The DODIC A482 Wadcutter Cartridge consists of a brass cartridge case, a primer, and a truncated cone bullet. The Cartridge, Caliber .45 Ball M1911 Match (DODIC A483) is intended for use in competitive match programs and target practice used in the M1911/A1 Automatic Pistols. The word MATCH or NM (National Match) stamped on the case head identifies this cartridge. The M1911 Ball consists of a brass cartridge case, a primer, propellant, and a lead-antimony slug. The Cartridge, 12 Gauge #00 Buckshot 3" (DODIC AA60) is used for training, combat, and guard purposes with the Joint Service Shotgun. The AA60 consists of a brass cartridge case, plastic sleeve, and waterproofed paper plug.											

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine						P-1 Item Nomenclature: (166000) ITEMS LESS THAN \$5 MILLION					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	3.390	1.716	18.201	19.895	19.468	19.882	2.835	25.964		111.351
Description Continued: The Cartridge, Explosive Ordnance Disposal, 12 Gauge, MK274 MOD 0, Ultra Velocity Slug (DODIC AA62) is used in the Improvised Explosive Device (IED) standoff disrupter. The cartridge consists of a lead base projectile loaded in a brass and plastic cartridge case with a center percussion primer and 140 grains of propellant. The Cartridge, Explosive Ordnance Disposal, 12 Gauge, MK275 MOD 0, (DODIC AA63) is used in the Improvised Explosive Device (IED) standoff disrupter. The cartridge consists of a lead base projectile loaded in a brass and plastic cartridge case with a center percussion primer and 62 grains of propellant. The Cartridge, Explosive Ordnance Disposal, 12 Gauge, MK276 MOD 0, Low Velocity Blank (DODIC AA64) is used in the Improvised Explosive Device (IED) standoff disrupter package 160 Cartridge M2A1 Ammunition Container. The cartridge consists of a lead base projectile loaded in a brass and plastic cartridge case with a center fire percussion primer and 20 grains of propellant. Cartridge, Explosive Ordnance Disposal, 12 Gauge, MK278 MOD 0 (Black Powder Blank) (DODIC AA66), is used in the Improvised Explosive Device (IED) standoff disrupter. 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. Cartridge, 12 Gauge, MK 277 Mod 0 (Enhanced Blank), (DODIC DWEC) is used in the Improvised Explosive Device (IED). The cartridge consists of a plastic power wadding (no projectile), loaded in a brass and plastic cartridge case with a center percussion primer and 110 grains of propellant											

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine						P-1 Item Nomenclature: (166000) ITEMS LESS THAN \$5 MILLION					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	3.390	1.716	18.201	19.895	19.468	19.882	2.835	25.964		111.351
Description Continued: Cartridge, 12 Gauge, MK 279 Mod 0 (Steel Slug) (DODIC DWED), is used in the Improvised Explosive Device (IED) standoff disrupter. The cartridge consists of a steel projectile, loaded in a brass and plastic cartridge case with a center percussion primer and 140 grains of propellant. Cartridge, 12 Gauge, MK 280 Mod 0 (Aluminum Slug) (DODIC: DWEE), is used in the Improvised Explosive Device (IED) standoff disrupter. The cartridge consists of an aluminum projectile, loaded in a brass and plastic cartridge with a center percussion primer and 140 grains of propellant. 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. 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. Funds in support of Marine Security Guard Battalion ammunition requirement are also included.											

Exhibit P-40a, Budget Item Justification for Aggregated Items									Date: FEBRUARY 2005		
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						
	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
RIFLE TEAM AMMO (DODIC A001)	A	0.460	0.199	0.206	0.213						
QTY											
CTG, 12 GA 3 IN 00 BKST (DODIC AA60)	A	0.342	0.000	0.000	0.477						
QTY		977,142	0	0	1,163,414						
CTG, 12 GA EOD MK 274 (DODIC AA62)	A	0.002	0.000	0.003	0.003						
QTY		340	0	722	714						
CTG, 12 GA EOD MK 275 (DODIC AA63)	A	0.002	0.000	0.003	0.003						
QTY		321	0	480	476						
CTG, 12 GA EOD MK 276 (DODIC AA64)	A	0.001	0.000	0.003	0.000						
QTY		568	0	1,714	0						
CTG, 12 GA EOD MK 278 MOD 0 (DODIC AA66)	A	0.001	0.000	0.003	0.000						
QTY		418	0	1,224	0						
CTG, 75MM BLANK (DODIC C025)	A	0.000	0.000	0.041	0.000						
QTY		0	0	1,743	0						
P-40a Sub Total		0.808	0.199	0.259	0.696						

Exhibit P-40a, Budget Item Justification for Aggregated Items									Date: FEBRUARY 2005		
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						
	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
CTG,12 GA MK 277 MOD 0 (DODIC DWEC)	A	0.002	0.000	0.006	0.000						
QTY		491	0	1,445	0						
CTG, 12 GA MK 279 (DODIC DWED)	A	0.002	0.000	0.006	0.000						
QTY		308	0	916	0						
CTG, 12 GA MK 280 (DODIC DWEE)	A	0.002	0.000	0.006	0.000						
QTY		308	0	916	0						
ASBLY, PYRO MK 34 (DODIC DWEI)	A	0.067	0.000	16.485	17.234						
QTY		4,598	0	1,063,548	1,077,125						
1ST DESTINATION TRANS (FDTC)	A	1.758	0.000	1.000	1.000						
QTY											
CANINE SCENT KIT (DODIC MN01)	A	0.000	0.200	0.030	0.030						
QTY		0	203	30	30						
MARINE SECURITY GUARD BATTALION	A	0.362	0.359	0.400	0.400						
QTY											
Sub Total		2.193	0.559	17.933	18.664						
P-40a Total		812.193	199.559	282.933	714.664						

Exhibit P-5, Cost Analysis									Date: FEBRUARY 2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	ID Code: A	P-1 Line Item Nomenclature: (166000) ITEMS LESS THAN \$5 MILLION										
	FY04			FY05			FY06			FY07		
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
CTG 12 GAUGE 00 BUCKSHOT (DODIC A011)												
LOAD, ASSEMBLE, PACK (LAP)				0.344	114,666	0.30						
BOX METAL M2A1				0.048	7,111	6.75						
CTG .30 CAL BLANK (DODIC A222)												
COMPLETE ROUND							0.007	21,212	0.33	0.017	45,945	0.37
CTG, CAL .45 BALL (DODIC A475)												
COMPLETE ROUND	0.387	1,612,500	0.24	0.563	2,165,384	0.26						
CTG, CAL .45 WADCUTTER (DODIC A482)												
COMPLETE ROUND										0.432	480,219	0.91
CTG, CAL .45 MATCH (A483)												
COMPLETE ROUND												
PRODUCT												
PRODUCTION ENGINEERING	0.001			0.001			0.001			0.002		
QUALITY ASSURANCE	0.001			0.002			0.001			0.004		
P-5 Total	0.389			0.958			0.009			0.455		

Exhibit P-5a, Procurement History and Planning			Weapon System		Date: FEBRUARY 2005					
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	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
CTG 12 GAUGE 00 BUCKSHOT (DODIC A011)										
LOAD, ASSEMBLE, PACK (LAP)										
FY 2005	114,666	0.30	JMC ROCK ISLAND,IL	C/FFP	Alliant Tech LCAAP , Independence, MO	OCT 04	JAN 05	JUL 05	YES	
BOX METAL M2A1										
FY 2005	7,111	6.75	JMC ROCK ISLAND,IL	C/FFP	Alliant Tech LCAAP , Independence, MO	OCT 04	JAN 05	JUL 05	YES	
CTG .30 CAL BLANK (DODIC A222)										
COMPLETE ROUND										
FY 2006	21,212	0.33	JMC ROCK ISLAND,IL	C/FFP	Alliant Tech LCAAP , Independence, MO	UNKNOWN	DEC 05	OCT 06	NO	
FY 2007	45,945	0.37	JMC ROCK ISLAND,IL	C/FFP	Alliant Tech LCAAP , Independence, MO	UNKNOWN	DEC 06	OCT 07	NO	
CTG, CAL .45 BALL (DODIC A475)										
COMPLETE ROUND										
FY 2004	1,612,500	0.24	JMC ROCK ISLAND,IL	C/FFP	Alliant Tech LCAAP , Independence, MO	OCT 03	JAN 04	JUL 04	YES	
FY 2005	2,165,384	0.26	JMC ROCK ISLAND,IL	C/FFP	Alliant Tech LCAAP , Independence, MO	OCT 04	JAN 05	JUL 05	YES	
CTG, CAL .45 WADCUTTER (DODIC A482)										
COMPLETE ROUND										
FY 2007	480,219	0.90	JMC ROCK ISLAND,IL	C/FFP	Alliant Tech LCAAP , Independence, MO	UNKNOWN	JAN 07	JUL 07	NO	
CTG, CAL .45 MATCH (DODIC A483)										
COMPLETE ROUND										
FY 2007	368,181	0.22	JMC ROCK ISLAND,IL	C/FFP	Alliant Tech LCAAP , Independence, MO	UNKNOWN	DEC 06	JUL 07	NO	
										</