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

DEPARTMENT OF THE NAVY FY 2006 PROCUREMENT PROGRAM

DATE: FEBRUARY 2005

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

				MILLIONS C	F DOLLAR	RS		0
LINE	IDENT				2005	FY		S E
NO ITEM NOMENCLATURE	CODE			QUANTITY		QUANTITY	COST	
BUDGET ACTIVITY 01: PROC AMMO, NAVY								
NAVY AMMUNITION								
1 GENERAL PURPOSE BOMBS	A		163.3		180.8		135.4	U
2 JDAM	В	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)	В		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	

EXHIBIT P-1

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 contractorowned 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.)

	В	UDGET	ITEM JUST	IFICATION	SHEET			DATE:				
			P-40						Februa	ry 2005		
APPROPRIATION/BI	UDGET ACTIVI	TY				P-1 ITEM NO	MENCLATURI					
PROCUREMENT O	OF AMMUNITI	ION, NA	VY & MARIN	E CORPS		Gener	al Purpose l	Bombs (BLI 0	14500)			
Program Element for	Code B Items:					Other Related	Program Eler	nents				
B.A.1 - Navy Amm	unition											
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST (In Millions)	\$802.9	А	\$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 <u>BLU-117/B</u> (<u>FY03</u>) and <u>BLU-110A/B</u> (<u>FY 05</u>, <u>FY 06</u> and <u>FY07</u>): 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.

<u>PES/ILS:</u> 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:

UNCLASSIFIED

DD Form 2454, JUN 86 ITEM NO. 1 PAGE NO. 1

CLASSIFICATION:

UNCLASSIFIED

	BUDGE	T ITEM JU	STIFICATION	SHEET FOR A	GGREGATED	ITEMS			DATE:			
				P-40a						Febr	ruary 2005	
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOME					
PROCUREMENT OF AMMUNITION	I, NAVY &	MARINE (CORPS					General Pur	pose 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	GL 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	А		, ,,,,	, ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , -					1	+
QTY			25,333	24,236	7,100	9,400						1
FUNDING			\$66,375	\$62,148	\$18,595	\$25,165					Cont	Cont
BLU-110A/B PBX LOAD (F288)	A										<u> </u>	
QTY			0	1,852	6,460	5,361					1	
FUNDING			\$0	\$10,034	\$35,700	\$30,287					Cont	Cont
MK 77 Firebomb	A										<u> </u>	4
QTY			456	500	500	500					Cont	Cont
FUNDING			\$1,802	\$1,849	\$1,895	\$1,942					 	-
BSU-86A/B	A		6 675	3,103	9,600	11,185			-		+	+
QTY FUNDING			6,675 \$7,576	\$3,526	\$11,081	\$13,139					Cont	Cont
BSU-33 Conical Fins	A		\$7,576	\$3,320	\$11,001	\$13,139					Cont	Cont
QTY	Α		13,200	26,000	16,000	16,000					+	+
FUNDING			\$1,209	\$2,170	\$1,361	\$1,385					Cont	Cont
MK 83 Conical Fins	A		Ψ1,200	Ψ2,170	ψ1,001	ψ1,000					COIN	Cont
QTY			1,000	5,000	5,500	6,000					†	+
FUNDING			\$185	\$892	\$997	\$1,106					Cont	Cont
MK 84 Conical Fins	А										1	1
QTY			0	0	0	8,000						T
FUNDING			\$0	\$0	\$0	\$3,231					Cont	Cont
BSU-85	Α											
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) QTY	A		0	0	0	0		+	+	1	+	+
FUNDING			\$0	\$0	\$0	\$0		+	+		Cont	Cont
BDU-48 (E962)	A		ΨΟ	ΨΟ	ΨΟ	ΨΟ						100111
QTY			0	0	0	0		1	1		_	+
FUNDING			\$0	\$0	\$0	\$0					Cont	Cont
MK 82 INERT (F237)	А					* -						1
QTY			0	0	0	0						
FUNDING			\$0	\$0	\$0	\$0	· · · · · · · · · · · · · · · · · · ·				Cont	Cont
MK 84 INERT	A											\bot
QTY			0	0	0	0		1	1		1	
FUNDING			\$0	\$0	\$0	\$0			 		Cont	Cont
Bomb Subcomponents			\$0	\$5,000	\$5,125	\$5,253			_	ļ	Cont	Cont
Fuzes	_			070	10:-	5.465		+	+	1	+	+
QTY			00	8700 \$17,400	4,915	5,188		+	+	1	Cont	Carat
FUNDING Dual Mode Bomb Kits	_		\$0 \$1,250	\$17,400 \$0	\$8,600	\$10,900 \$0		+	+	 	Cont Cont	Cont
IDUAI IVIQUE BOMD KITS	1	1	φ1,∠50	\$0	\$0	20		I	1	1	COLL	CONT
ALL OTHER SUPPORT			\$11,075	\$4,612	\$6,046	\$6,954					Cont	Cont

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

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

DD Form 2454, JUN 86 ITEM NO. 1 PAGE NO. 2

WEAPONS SYSTEM COST ANALYSIS Weapon System Date: **FEBRUARY 2005** P-5 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)** TOTAL COST IN THOUSANDS OF DOLLARS COST ELEMENT OF COST ID Prior FY 2004 FY 2005 FY 2006 FY 2007 CODE Code Years Total Cost Quantity Total Cost Quantity Total Cost Unit Cost Total Cost Quantity Unit Cost **Total Cost** Unit Cost **Unit Cost** Quantity GENERAL PURPOSE BOMBS SUBTOTAL 78,442 110,894 88,178 100,525 Q2191 BLU-111A/B PBX Load(F289) Α 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) Α 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 Α 456 3,951.56 1,802 500 3,698.00 1,849 500 3,790.00 500 3,884.00 1,942 1,895 3,103 Q2020 BSU-86A/B Α 7,668 988 7,576 1,136.23 3,526 9,600 1154.25 11,185 1,174.66 13,139 11,081 Q2010 BSU-33 Conical Fins(F782) Α 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 1,080 5,000 5,500 6,000 184.39 1,106 MK 83 Conical Fins(EA96) Α 171.3 185 178.31 892 181.27 997 Q2031 BSU-85(1W73) 5,080 5,297 3,395 3,399 1,080.07 3,671 Α 1,274 1016.48 1,295 1,042.70 1061.27 3,603 Q2032 FMU-139 FUZE Α 7,857 827.89 9,699 0 9,617 788.00 7,578 807.7 6,346 11,715 Q2037 MK84 Conical Fins Α 0 8.000 403.87 3.231 Q2196 Fuzes Α 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 AIR FOILS (MXU-650/B) (F763) 3,150 Q2180 Α 8,782 various 29,006 5,536 3,467.06 (19, 194)3,228 3,553.73 (11,471)3,642.57 (11,474)Q2180 GUIDANCE UNIT MAU-169 (FW94)/MAU-209 Α 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)PROCUREMENT SPT, MODS, OTHER Q2800 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)5,522 OTHER SUBTOTAL 550 610 750 Q2850 5,079 100 100 100 Q2892 Non Standard Items 100 100 200 100 Q2893 Renovation Components 100 150 160 200 Q2894 Gaging 250 250 250 193 BOMB SUBCOMPONENTS Q2197 5,000 5,125 5,253 Q2830 DUAL MODE BOMB KITS 1,250 TOTAL 802.931 163,340 180.751 135,355 148.747

DD Form 2446, JUN 86 ITEM NO. 1 PAGE NO. 3 CLASSIFICATION: **UNCLASSIFIED**

B. APPROPRIATION/BUDGET ACTIVIT	Υ				T				FEBRUARY 2	
					C. P-1 ITEM N	OMENCLATURE			SUBHEAD	
	Y & MARINE C	ORPS				se Bombs(BLI 014500)			J1Q2	
3.A.1 - NAVY AMMUNITION										
					CONTRACT			DATE OF	SPECS	DATE
Cost Element/	QUANTITY	UNIT	LOCATION	RFP ISSUE	METHOD	CONTRACTOR	AWARD	FIRST	AVAILABLE	REVISIONS
FISCAL YEAR		COST	OF PCO	DATE	& TYPE	AND LOCATION	DATE	DELIVERY	NOW	AVAILABLE
		(000)								
GENERAL PURPOSE BOMBS										
22191 BLU-111A/B PBX Load										
FY03	22,745	2,548.83	Rock Island, IL	Jan-03	C/FP	MCALESTER, AAP	Apr-03	Sep-04	YES	
FY03 (IFF)	4,912	2,548.83	Rock Island, IL	Jan-03	C/FP	MCALESTER, AAP	Sep-03	Oct-04	YES	
FY04	25,333	2,620.10	Rock Island, IL	Jan-04	C/FP	MCALESTER, AAP	Apr-04	Sep-05	YES	
FY05	24,236	2,564.28	Rock Island, IL	Jan-04	C/FP	MCALESTER, AAP	Apr-05	Sep-06	YES	
FY06	7,100	2,619.03	Rock Island, IL	TBD	C/FP	MCALESTER, AAP	Apr-06	Sep-07	YES	
FY07	9,400	2,677.11	Rock Island, IL	TBD	C/FP	MCALESTER, AAP	Apr-07	Sep-08	YES	
Q2192 BLU-110A/B PBX LOAD										
FY03 (IFF)	4,937	5,600.00	Rock Island, IL	Jan-04	C/FP	MCALESTER, AAP	Sep-03	Oct-04	YES	
FY05	1,852	5,417.96	Rock Island, IL	Jan-04	C/FP	MCALESTER, AAP	Apr-05	Sep-06	YES	
FY06	6,460	5,526.32	Rock Island, IL	TBD	C/FP	MCALESTER, AAP	Apr-06	Sep-07	YES	
FY07	5,361	5,649.53	Rock Island, IL	TBD	C/FP	MCALESTER, AAP	Apr-07	Sep-08	YES	
Q2194 MK 77 BOMBS										
FY03	437	3,951.56	Rock Island, IL	Sep-03	C/FP	TRIUMPH, INC	Nov-04	Aug-05	YES	
FY04 FY05	456 500	3,951.56 3,698.00	Rock Island, IL Rock Island, IL	Sep-04 Sep-04	C/FP C/FP	TRIUMPH, INC UNKNOWN	Nov-04 Apr-05	Nov-05	YES	
FY06	500	3,790.00	Rock Island, IL	TBD	C/FP C/FP	UNKNOWN	Apr-05 Apr-06	Sep-06 Sep-07	YES YES	
FY07	500	3,884.00	Rock Island, IL	TBD	C/FP	UNKNOWN	Apr-07	Sep-08	YES	
Q2020 BSU-86A/B		.,	,							
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	
Q2010 BSU-33 Conical Fins	11,100	.,	rtook lolana, 12	.55	o,	0	5 4.1 57	. 00 00		
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	
Q2179 FMU-143E/B(F849)	10,000	30.30	Nook isialiu, iL	יטטי	5/17	CIAICIAOAAIA	Jan-01	1 05-00	123	
FY03	1,426	2,422.86	Rock Island, IL	Jan-03	C/FP	DAYRON	Apr-03	Sep-04	YES	
Q2030 MK 83 Conical Fins	1,420	2,422.00	NOOK ISIAIIU, IL	Jaii-UJ	0/17	DATION	Αρι-03	06h-04	123	
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-03 Jan-04	C/FP	MTD, TN	Jan-03 Jan-04	Feb-05	YES	
FY05	5,000	171.30	Rock Island, IL	Jan-04 Jan-04	C/FP	UNKNOWN	Jan-04 Jan-05	Feb-05	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	
22037 MK 84 Conical Fins	,		,							
FY07	8,000	403.87	Rock Island, IL	Jan-05	C/FP	UNKNOWN	Jan-07	Feb-08	YES	
Q2031 BSU-85										
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	

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 1 PAGE 4 CLASSIFICATION

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTOR	RY AND PLAN	NING EXHI	BIT (P-5A)			Weapon System		A. DATE		
									FEBRUARY 2	2005
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NO	MENCLATURE		•	SUBHEAD	
PROCUREMENT OF AMMUNITION	I, NAVY & MA	ARINE CORF	rs		General	Purpose Bombs	(BLI 01	4500)	J1Q2	
B.A.1 - NAVY AMMUNITION						•	`	•		
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)										
Q2032 FMU-139 Fuze										
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	
Q2196 FUZES										
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	
Q2033 MK 76										
FY03	10,650	30.19	Rock Island, IL	Jan-03	C/FP	DELFASCO	Feb-03	Feb-04	YES	
Q2034 BDU-48										
FY03	18,020	45.06	Rock Island, IL	Jan-03	C/FP	MCALESTER, AAP	Feb-03	Feb-04	YES	
Q2035 MK 82 INERT										
FY03	1,542	1,121.96	Rock Island, IL	Jan-03	C/FP	MCALESTER, AAP	Feb-03	Feb-04	YES	
Q2036 MK 84 INERT										
FY03	1,000	3,050.00	Rock Island, IL	Jan-04	C/FP	MCALESTER, AAP	Feb-03	Feb-04	YES	
D. REMARKS:										
D. KLIMAKKO.										

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 1 PAGE 5 CLASSIFICATION

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND P	L	5 (. 5A)				Weapon System		A. DATE	FEBRUAR	Y 2005
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOM	L ENCLATURE		!	SUBHEAD	
PROCUREMENT OF AMMUNITION, NAVY 8	MARINE CORP	PS .			General Pu	rpose Bombs(BL	I 014500)		J1Q2	
3.A.1 - NAVY AMMUNITION							,			
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
22180 LASER GUIDED BOMBS KITS		ì								
FY 04 Awards										
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	
FY05 Awards										
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	
Y06 Awards										
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	
FY07 Awards										
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	

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

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FY 2004/05 BUDGET PRODUCT	ION S	CHE	DULE, F	P-21														DATE										FE	BRUA	RY 2005
APPROPRIATION/BUDGET ACTI PROCUREMENT OF AMMUNITION		VY	& MARII	NE CO	RPS								'	Weapo	n Syste			GEN		OMEN L PU	RPOS	URE SE BC	омвя	S (BLI	0145	00)				
								Produc	tion Ra	te							ırement	Leadti												
			Manufac										ALT Pric		,	ALT Af			Initial			Reorde							Unit of	
Item			me and	Locati	on	MS		1-8-5		MAX			to Oct 1			Oct 1			Mfg PL	.T		√lfg PL	T		Total				Measur	e
LASER GUIDED BOMBS KITS	RAY	THE	EON			10	56	7200		12000/a	nn.					6			12			9			27				E	
LASER GUIDED BOMBS KITS	LOC	KHE	ED			UI	ık	4800		8400						6			12			9			27				F	
EAGEN GOIDED BOMBONITO	LOO					01	VII.		L YEAR 20									+	12				FIO. AL.	YEAR 2005			ı		_	
ITEM / MANUFACTURER	F	٥	Q	D	В	2003		FISCA	L YEAR 20	JU4			CAL	ENDAD	YEAR 200	14							FISCAL	CALEND		D 200E				
TEW/ WAND ACTORER	Y	V	T	E	A	0	N	D	.l	F	М	Α	M	.I	.I	A A	S	0	N	D	.1	F	М	A	M	.1	1.1	Α	S	В
		С	Υ	L	L	C T	0 V	E	A N	E B	A R	P R	A Y	U	Ü	U	E P	C T	0 V	E	A N	E B	A R	P R	A Y	Ŭ N	Ü	U G	E P	A L
LGB KITS(MXU-650/B)		Ν	4750		4750													1	1	-					-	4750	 			
LMCO	04	1	1750	0	1750						A															1750				0
RAYTHEON UNKNOWN	04 05	1	7032 5536	_	7032 5536						Α			-		-		1	-								1		-	7032 5536
UNKNOWN	06	1	3228	0	3228													-					Α				1			3228
UNKNOWN	07	1	3150	0	3150																									3150
LGB KITS(MAU-169/MAU 209 CCG)	01	N	3130	0	3130														-											3130
LMCO	04	14	1750	0	1750																					1750	1			0
RAYTHEON	04	1	7032	0	7032																					1100				7032
UNKNOWN	05	t	5536	0	5536																									5536
UNKNOWN	06	t	3228	0	3228																						t			3228
UNKNOWN	07		3150	0	3150																									3150
			_		_						FISCAL YI	EAR 200											FISCAL `	YEAR 2007						
ITEM / MANUFACTURER	F	S	Q	D	В		2005						CAL	ENDAR '	YEAR 200	06								CALEND	AR YEA	R 2007				
	Y	C	T Y	E L	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 L	A U G	S E	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A	J U	J U L	A U G	S E	B A L
LGB(MXU-650/B)	╂	N					•	Ü	.,		- 1	- "	·	.,		Ü		l	+ *	_	- '		- 1	- 1	<u> </u>	- "	Ë	Ü		
RAYTHEON	04	IN	7032	0	7,032	981	1215	1215	1215	1215	1191				1			1	1	-	1				-		l –			0
UNKNOWN	05	Н	5536	0	5536	461	461	461	461	461	461	461	461	461	461	461	465	1	1 -		1						1			0
UNKNOWN	06	H	3228	0	3228						A							269	269	269	269	269	269	269	269	269	269	269	269	0
UNKNOWN	07	П	3150	0	3150														1	1	1		A				1			3150
LGB KITS (MAU-169/MAU-269 CCG)	1	N																1	1								l l			
RAYTHEON	04		7032	0	7032	981	1215	1215	1215	1215	1191							1	1											0
UNKNOWN	05		5536	0	5536	461	461	461	461	461	461	461	461	461	461	461	465													0
UNKNOWN	06		3228	0	3228						Α							269	269	269	269	269	269	269	269	269	269	269	269	0
UNKNOWN	07		3150	0	3150																		Α							3150
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Remarks: Lockheed-Martin qualified in FY 2002; FY 03 quantity reflects Raytheon and Lockheed-Martin production.

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FY 2004/05 BUDGET PRODUC			DULE, F	P-21														DATE					FEBRUA	ARY 2	2005					
APPROPRIATION/BUDGET AC													V	Veapon	Syster	m		P-1 I	гем и	OMEN	CLATU	JRE	SENERAL	D. 15	200	_ D	2400	. / -		F00\
PROCUREMENT OF AMMUNIT	ION, N	IAVY	& MARII	NE COF	PS	1	D-	oduction	- D-4-							Dro	cureme	ont Lor	adtimo	•			GENERAL	_ PUI	RPOS	SE BO	OMR	i (BLI	014	500)
			Manufact	turer's			Pr	dauction	1 Rate				ALT Pr	ior	Δ	LT Aft		ent Lea	Initia			Ren	order						nit of	
Item			me and		1		MSR	1-8-5		MAX			to Oct			Oct 1			Mfg PL			Mfg			Total				asure	•
LASER GUIDED BOMBS KITS	RAY	THEC	N				1056	7200		12000	/ann.					6			12			9			27				Е	
LASER GUIDED BOMBS KITS	LOCI	/HEE	D				UNK	4800		8400/8	ann					6			12			9			27				E	
EASER GOIDED BOWIES RITS	LOCI	NIILL	Ī	ı				ISCAL YE	AD 2009	0400/8	ai ii i.				l	- 0			12			J	FISCAL YEAR	2000	21					
ITEM / MANUFACTURER	F	s	Q	D	В	3007		IOOAL IL	AIX 2000				CA	ALENDAR '	EAR 20	08								ALENDAF	R YEAR	2009				
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																													Ħ	
LGB KITS (650/B)		N																												
UNKNOWN LGB KITS (MAU-169 G UNIT)	07	N	3,150	0	3,150	262	262	262	262	262	262	262	262	262	262	262	268								1		-	₩	\vdash	0
UNKNOWN	07	IN	3,150	0	3,150	262	262	262	262	262	262	262	262	262	262	262	268											+		0
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ITEM / MANUFACTURER	F		Q	D	В	0000				FISC	AL YEA	R 2010	0.1	ALENDAR '	/FAD 00	40					I		FISCAL YEAR	2011 ALENDAF	VEAD	2044			_	
TIEW/WANDPACTURER	Y	S V C	T Y	E	A	2009 O	N	D	J	F	М	А	М	J	J	A U	s	0 C	N	D	J	F	М	Α	М	J	J	Α	S	B A
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Remarks:																														

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		CHED	ULE, P-21					•						.,				DATE									FEE	3RUAR	RY 2005	
APPROPRIATION/BUDGET AC													7	Veapo	n Syste	em			EM NOM				•				· ·			
PROCUREMENT OF AMMUNI	TION, NA	VY &	MARINE C	ORPS															al Purpo	se Bon	nbs (BL	J 01450	0)							
	-						F	roductio	n Rate				. T.D.:	-			rocurem	ent Lea											11.7. (
			Manufactu					4.0	_		A \/		LT Pric		F	ALT Aft			Initial	_		Reorder			T-4-1	I			Unit of	
BLU-111A/B	MCAL		lame and Lo	ocation			14400	1-8 28800	-5	57600	AX Nann	t	o Oct 1			Oct 1			Mfg PLT 17		I N	∕lfg PLT			Total 26				Measure	
BLU-117/B	MCAL					1	12000	4800		144						11			12						23				<u>E</u>	
BSU-86A/B	CAPC						7200	15600		360				+		4			12						16				Ē	
BSU-85	UNK	0, 00	<u>'</u>			+	7200	12000		180						4			12						16		 		Ē	
FMU-143E/B	DAYR	ON				+	12000	18000		300						6			18						24		 		Ē	
FZU-48			Systems; V	Viscons	sin	1	12000	24000		360						6			16						22				Ē	
	-		-,, .					FISCAL YE	AP 2004		-					Ť					l .		FISCAL	LYEAR 2005			ь—			1
ITEM / MANUFACTURER	F	s	Q	D	В	2003		TIOONE TE	1 2001					CALEND	DAR YEA	R 2004					1		1 100/1		ENDAR YEA	AR 2005				1
	Υ	V	T	Е	Α	0	N	D	J	F	М	Α	М	J		Α	S	0	N	D	J	F	М	A	м	J. J	J	Α	S	В
		С	Y	L	L	c	0	E	A	E B	A R	P	A Y	Ū	Ü	U	Ē	C	0 V	E	Ä	E	A	P	A	Ū	Ü	U	E	A L
BLU-111A/B	-	N				<u>'</u>	V	С	N	В	R	R	Y	N	L	G	Р		V	С	N	В	R	R	Y	N	L	G	Р	
MCALESTER	03	N	22,745	0	22745	1			1								1895	1895	1895	1895	1895	1895	1895	1895	1895	1895	1895	1900		0
MCALESTER (IFF)	03		4,912	0	4912	t			l									1637	1637	1638	1	1.223			1					0
MCALESTER	04		25,333	0	25333	1			l			Α																	2111	23,222
MCALESTER	05		24,236	0	24236																			Α			1			24,236
MCALESTER	06		7,100	0	7100																				oxdot			oxdot		7,100
MCALESTER	07	L.	9,400	0	9400	<u> </u>			<u> </u>													1			+-+		[9,400
BLU-110A/B MCALESTER	03	N	4,937	0	4937	1			1									2469	2468			 			+-+		 	\longrightarrow		_
MCALESTER MCALESTER	03		4,937 1,852	0	4937 1852	1		-	1									2469	2408			1		Α	+-+		 	\vdash		0 1,852
MCALESTER MCALESTER	06		6,460	0	6460	1			t									1			1	1		_^_	+		 	\vdash		6,460
MCALESTER	07		5,361	0	5361				1																					5,361
BSU-86A/B		N	1																											
CAPCO, CO	04		7,668	0	7668				Α													1917	1917	1917	1917					0
UNKNOWN	06		9,600	0	9600																						<u> </u>			9,600
UNKNOWN	07		11,185	0	11185																				\longrightarrow			└		11,185
BSU-85 UNKNOWN	05	N	5,080	0	5080				-												A				++		 	\longrightarrow		5,080
UNKNOWN	05		5,060	U	3000				1												^						 	\vdash		5,060
FUZES		N							-																+-+		1	\vdash		
UNKNOWN	05		8,700	0	8,700																Α									8,700
UNKNOWN	06		4,195	0	4,195				1																					4,195
UNKNOWN	07		5,188	0	5,188																									5,188
									Y	FI	SCAL YE	AR 2006									Y-		FISCA	LYEAR 2007						
ITEM / MANUFACTURER	F	S V	Q T	D	В		2005		-				1		DAR YEA	R 2006				1		1			ENDAR YEA		_	т т		В
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						Т	v	C	A N	В	R	R	Ŷ	N	L	G	P	T	v	C	N	В	R	R	Ŷ	N	L	G	. P	L
BLU-111A/B		N																												
MCALESTER	04		25,333	2111	23222	2111	2111	2111	2111	2111	2111	2111	2111	2111	2111	2112									$ldsymbol{\perp}$			┷┛		0
MCALESTER	05		24,236	0	24236	!			!								2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	1774	504	0
MCALESTER MCALESTER	06 07		7,100 9,400	0	7100 9400	1-		-	1			Α							-			 		Α	+-+			+-+	591	6,509 9,400
BLU-110A/B	07	N	9,400	U	9400	1			1						-			1			1	1		A	+-+		1	\vdash		9,400
MCALESTER	05	IN	1,852	0	1852	1			1								1852	1				1			+ +	\longrightarrow	i –	\vdash		0
MCALESTER	06		6,460	0	6460	1			1			Α						l				1			+				538	5,922
MCALESTER	07		5,361	0	5361																			Α						5,361
BSU-86A/B		N															-													
UNKNOWN	06		9,600	0	9600	!			Α													800	800	800	800	800	800	800	800	3,200
UNKNOWN	07		11,185	0	11,185	1			-			-						-	1		Α	1			+-+		1			11,185
BSU-85 UNKNOWN	05		5.080	0	5080	!			!	1500	1500	1500	580					 			1				+-+		1	\longrightarrow		0
FUZES	US	N	5,080	U	5080	1		-	1	1500	1500	1500	280						1			1			+-+		 	\vdash		U
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UNKNOWN					4195	1			Α					. 20	. 20	, 20						349	349	349	349	349	349	349	349	1,403
UNKNOWN UNKNOWN	06		4,195	0	4195											- 1										349	349			

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST CLASSIFICATION:

			DULE, P-2	1														DATE									FE	BRUAF	RY 2005	
PPROPRIATION/BUDGET AC	CTIVITY	,											1	Weap	on Sys	stem		P-1 I	TEM	NOME	ENCL	ATUR	E							
ROCUREMENT OF AMMUNI	TION, N	VVA	& MARINE	CORP	s																			Gener	al Pu	pose E	ombs	s (BLI	014500)	
			,				F	roducti	ion Rat	te							Procurer	nent Lea												
			Manufactu										LT Pri			ALT A			Initial			Reorder							Unit of	
Item			Name and L	ocation			1SR	1-8			AX	to	Oct '	1		Oct	1		Mfg PL	Γ	N	Ifg PLT			Total			N N	Measure	
IK83 CONICAL FINS			MTD, TN				400	180			0/ann.					6			18						24				E	
SU-85			UNK				200	120			000					6			14						20				E	
MU-139 Fuze			KDI, OH			24	000	600	000	960	000					6			10						16				Е	
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ITEM / MANUFACTURER	F	s	Q	D	В	2003		FISCA	LILAN	2004				CALEN	NDAR VE	EAR 2004	1	1			I		FIGU			YEAR 2005				ł
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						Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
MU-139 Fuze		N	40.770		40770	-			ļ									0055	2055	0055	0055	0050								
KDI,OH (IFF) UNKNOWN	03 05		16,773 9,617	0	16773 9617	1		-	1	-				\vdash		1		3355	3355	3355	3355	3353		A	+		1	+		9,617
UNKNOWN	06		7,857	0	7857	+			1	-								 	1	-	1	-		^		-	1	1		9,01
UNKNOWN	07		11,715	0	11715	1																					1			
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ITEM / MANUFACTURER	_									- 1	FISCAL Y	EAR 200	06										FISC	AL YEAR 20						1
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MU-139 Fuze		N																												
UNKNOWN	05		9,617	0	9617	1				801	801	801	801	801	801	801	801	801	801	801	806						.			0
UNKNOWN	06 07		7857 11,715	0	7857	-						Α						1				654	654	654	654	654	654	654	654	2,625
UNKNOWN	07		11,715	U	11,715													1						Α			-			11,71
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FY 2004/05 BUDGET PRODU			DULE,	P-21														DATE					FEBR	UARY	2005					
APPROPRIATION/BUDGET A													V	Veapon	Syster	n		P-1 I	TEM NO	OMEN	CLATU	JRE								
PROCUREMENT OF AMMUN	ITION, I	NAVY	& MAR	INE CO	RPS							Ь—				_		<u> </u>	10				GENER	AL P	URPOS	E BO	MBS	(BLI 0	11450)0)
							-	Production	n Rate			—						nt Lea	dtimes			_								
Item			Manufact me and		n	N	//SR	1-8	3-5	M	ΑX		ALT Pri to Oct		A	LT Afte	er		Initial Mfg PL	Т		Reord Mfg P			Total				nit of asure	•
BLU-111A/B	MCAI	LESTE	R				14400	28800		57600)/ann.					9			17						26				Е	
BLU-117/B	MCA	LEST	ER				12000	4800		144	-00					11			12						23				Е	
BSU-86A/B	CAP	CO,C	C				7200	15600		360	00					4			12						16				Е	
MU-139 Fuze	KDI,	ОН					24000	60000		960	00	ĺ				6			18						24				Е	
MU-143E/B	DAY	RON					12000	18000		300						6			18						24				Е	
ZU-48	Alliar	nt Tec	h. Systei	ms; Wis	consin		12000	24000		360	00					6			16						22				Е	
								FISCAL Y	EAR 2008														FISCAL YE	AR 2009)					
ITEM / MANUFACTURER	F	s	Q	D	В	2007							CA	LENDAR Y	EAR 20	08								CALEND	AR YEAR 2	2009				i
	Υ	V	T Y	E L	A L	O C T	N O	D E	J A	F E B	M A	A P	M A	J	J	A U	S E	O C T	N O	D E	J A	F E	M A	A P	M A	J	J U	A U	S E P	B A L
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LU-111A/B(F289) UNKNOWN	06	N	7,100	591	6,509	591	591	591	591	591	591	591	591	591	591	599	-	-			-			├─		1		+	+	0
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UNKNOWN	07	1	5,361	0	5,361												447	447	447	447	447	447	447	447	447	447	447	444		0
SU-86A/B		N																												
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UNKNOWN MU-139 FUZE	07	N	11,185	0	11,185					932	932	932	932	932	932	932	932	932	932	932	933			├			₽	₩	\sqcup	0
UNKNOWN	06	N	9,617	6992	2,625	654	654	654	663			1												<u> </u>			╂	+	+	0
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST CLASSIFICATION:

311/244 ITEM NO. 1 PAGE 11 UNCLASSIFIED

	BUDO	SET IT	EM JUSTI	FICATION	SHEET			DATE:				
			P-40)					F	ebruary 20	05	
APPROPRIATION/BUDGE	ET ACTIVIT	ΓΥ	BA-1				P-1 ITEM NO	OMENCLATU	RE	BLI 014800		
PROCUREMENT OF	AMMUN	ITION,	NAVY & N	MARINE CO	ORPS			JOINT D	IRECT AT	TACK MUN	ITION (JDA	M) J1JD
Program Element for Code	B Items:						Other Relate	d Program El	ements			
								NONE				
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY	31,364	Α	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.

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 2

PAGE NO. 1

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 JOINT DIRECT ATTACK MUNITION (JDAM) J1JD BLI 014800 B.A.1 - Navy Ammunition TOTAL COST IN THOUSANDS OF DOLLARS ID FY 2004 COST ELEMENT OF COST Prior FY 2005 FY 2006 FY 2007 CODE Code Years **Total Cost** Quantity Unit Cost Total Cost Quantity Unit Cost **Total Cost** Quantity Unit Cost Total Cost Quantity Unit Cost Total Cost AIR VEHICLE JD100 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 Α JD200 FUZES * 26,679 10,000 Α JD300 WARHEAD 28.363 JD100 ENGINEERING CHANGE ORDERS (ECO) 2,832 3,615 2,747 2,849 TOTAL RECURRING FLYAWAY 12,422 20,654 256,559 143,593 22,578 76,764 3,400 79,840 683,925 6,620 21,691 3,400 23,482 JD100 SCHEDULE ACCELERATION 1,457 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 PRODUCTION TEST JD840 2,789 358 256 262 267 AIRBORNE TEST EQUIPMENT JD100 568 758 295 300 305 DATA JD850 CABLES JD700 720 TOTAL NON-RECURRING 47,191 7,904 6,302 5,101 4,474 731,116 264,463 81,865 84,314 TOTAL WEAPON FLYAWAY 12,422 21,290 6,620 22,643 149,895 3,400 24,078 3,400 24,798 JD940 LOAD/BUILDUP TRAINERS 857 JD960 TEST EQUIPMENT 4,350 JD970 ILS 353 5,300 557 568 580 JD990 TRAINING 794 97 99 102 JD920 DATA (TECHNICAL) 80 57 183 56 58 740 TOTAL FLEET SUPPORT 11.484 433 710 724 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 22,750 24,136 82,589 264,896 6,620 150,605 3,400 3,400 24,799 85,054 DERF (NON-ADD) AIR VEHICLE JD100 157,866 JD200 FUZES 3,055 * FY2004 includes \$1.5M BTR to GP Bombs. FY2005 - FY2011 Fuze money is in GP Bombs PE. JD100 CONTRACTOR INCENTIVE 166 JD830 PRODUCTION TECH SUPPORT TOTAL DERF 161,087

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCURE	MENT HISTO	ORY AND	PLANNING EXHIBI	T (P-5A)		Weapon System		A. DATE Februa	ry 2005	
B. APPROPRIATION/BUDG PROCUREMENT OF		ON, NAVY	BA-1 ' & MARINE CORPS		C. P-1 ITEM NOI JOINT DIRE BLI 014800	MENCLATURE ECT ATTACK MUNITION			SUBHEAD	JD
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
						33,				

D.	REM	1ARKS
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DD Form 2446-1, JUL 87

P-1 SHOPPING LIST

Classification:

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⁽¹⁾ SPECIFICATIONS HAVE BEEN WAIVED DUE TO JDAM'S STATUS AS AN ACQUISITION REFORM PILOT PROGRAM.

FY 2006 BUDGET PRODUCT	ON SCH	IEDUL	E, P-2	1		-											DATE			Febr	ruary	/ 200	5						
APPROPRIATION/BUDGET APPROCUREMENT OF AMMUN			. MARI	NE CC)RPS/R	Δ_1						We	eapon	Syste	em		P-1 IT	ГЕМ №					/lunitio	n (ID	ΔM) B		I JD 1800		
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DD Form 2445, JUL 87

Previous editions are obsolete

P-1 SHOPPING LIST

Classification:

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Remarks:

MSR represents JOINT quantities (USN and USAF).
Current USAF procurements reflect PB05; AF POM06 procurements have not been released.

P-1 SHOPPING LIST Classification: DD Form 2445, JUL 87 Previous editions are obsolete

ITEM NO. 2 PAGE NO. 5

	BUDO	SET IT	EM JUSTI	FICATION	SHEET			DATE:				
			P-40						Fe	ebruary 20	05	
APPROPRIATION/B	SUDGET ACTIVIT	Υ					P-1 ITEM NO	DMENCLATU	RE	(BLI 015100)	
PROCUREMENT	COF AMMUNI	TION,	NAVY & M	IARINE CO	RPS BA1			AIRBORNE	ROCKET	S, ALL TYF	PES (J1Q5))
Program Element for	Code B Items:						Other Relate	d Program El	ements			
	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	А	\$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.

DD Form 2454, JUN 86 ITEM NO. 3 PAGE NO. 1 CLASSIFICATION:

E	BUDG	ET ITEM J	USTIFICAT	ION SHEET P-40a	FOR AGGF	REGATED ITI	EMS	[DATE:	Februa	ry 2005	
APPROPRIATION/BUD	GET A	CTIVITY					P-1	1 ITEM NOM	ENCLATURE			
PROCUREMENT O	F AMI	MUNITION	I, NAVY & N	MARINE CO	RPS BA1			AIRB	ORNE ROC	KETS, ALL	TYPES (J	1Q5)
Procurement Items	ID Code	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007					To Complete	Total
MK 66 Rkt Motor (HA07)	Α											
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)	Α											
Quantity		2,460	2,000	3,267	3,461	0						
Funding		\$13,300	\$8,000	\$13,279	\$14,320	\$0					Continuing	Continuing
M278 Warhead	Α											
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 Wrho	A b											
Quantity		0	0	5,284	2,001	0						
Funding		\$0	\$0	\$3,699	\$1,426	\$0					Continuing	Continuing
WTU-1/B Inert Wrhd (H663	3) A											
Quantity		33,685	13,958	14,003	13,182	12,988						
Funding		\$1,277	\$518	\$528	\$506	\$549					Continuing	Continuing
LAU-61 Launcher	Α											
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

DD Form 2454, JUN 86 ITEM NO. 3 PAGE NO. 2 CLASSIFICATION:

E	BUDG	ET ITEM J	JUSTIFICAT	ION SHEET P-40a	FOR AGGF	REGATED IT	EMS	DA	ATE:	Februa	ry 2005	
APPROPRIATION/BUDG	GET A	CTIVITY					P-1	ITEM NOME	NCLATURE			
PROCUREMENT O	F AM	MUNITION	I, NAVY & N	ARINE CO	RPS BA1			AIRBO	RNE ROC	KETS, ALI	TYPES (J	IQ5)
Procurement Items	ID Code	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007					To Complete	Total
Smokey SAM	Α											
Quantity	1	9,108	3,500	3,516	3,200	0						
Funding		\$1,192	\$433	\$442	\$409	\$0					Continuing	Continuing
Advanced Precision	Α											
Kill Weapon System												
Quantity		0	0	0	325	600						
Funding		\$0	\$0	\$0	\$8,079	\$12,000					Continuing	Continuing
Upgrade J147 to HA03	Α	\$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

DD Form 2454, JUN 86 ITEM NO. 3 PAGE NO. 3 CLASSIFICATION:

		EM COST ANALYSI	S			Weapon System	1							DATE:	_
	TION/BUDGET ACTIVITY	P-5				ID Code	P-1 ITEM NOME	NCLATURE/SU	BHEAD					February 200	5
	NT OF AMMUNITION, NAVY & MARINE CORPS BA	1													
B.A.1 - Navy	Ammunition	1	TOTAL COST IN	THOUGANDS	DE DOLLARS	Α	AIRBORNE ROO	CKETS, ALL TY	PES (J1Q5)						(BLI 015100)
			TOTAL COST IN	THOUSANDS	OF DOLLARS										
COST	ELEMENT OF COST	ID	Prior		FY2004			FY 2005			FY 2006			FY 2007	
CODE		Code	Years												
			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	
Q5041	MK 71 Rocket Motor (H547)	А	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	
Q5070	M278 IR Illum. Warhead (HA06)	А	2,385	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	
Q5080	M229 HE Warhead (MK 146)	Α	0	0	0.00	0	2,000	832.32	1,665	2,171	847.30	1,839	0	0.00	
Q5090	M255A1 Flechette Warhead	Α	0	0	0.00	0	5,284	700.00	3,699	2,001	712.60	1,426	0	0.00	
Q5030	WTU-1/B Inert Warhead (H663)	Α	1,277	13,958	37.11	518	14003	37.71	528	13,182	38.38	506	12,988	42.27	5-
Q5895	LAU-61 Launcher	Α	0	0	0.00	0	0	0.00	0	110	7,282.80	801	0	0.00	
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	
Q5200	Smokey SAM	Α	1,192	3,500	123.71	433	3516	125.69	442	3,200	127.96	409	0	0.00	
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	12,0
Q5050	Upgrade J147 to HA03		6,464			1,693			2,193			1,029			
Q5051	Misc. Components		0			350			578			545			
Q5892	Non-Standard Items		80			0			40			40			•
Q5893	Renovation Components		817			100			88			60			
Q5052	Containers		2,050			615			517			37			
Q5800	Integrated Logistics Support		978			224			340			340			3-
Q5830	Production Engineering Support(PES)		2,796			1,282			1,082			1,147			1,33
Q5850	Product Improvement Program		4,326			1,378			1,068			1,301			120
	IFF SUPLEMENTAL														
Q5040	MK 66 Rocket Motor (HA07)	А	10,262												
Q5052	Containers		738												
	TOTAL		100,782			26,618			34,019			35,159			15,5

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 3

BUDGET PROCURE	MENT HIST	ORY AND	PLANNING EXHI	BIT (P-5A)		Weapon System		A. DATE		
				, ,				Februa	ry 2005	
B. APPROPRIATION/BUDGE	T ACTIVITY				C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
PROCUREMENT OF	AMMUNITI	ON, NAVY	& MARINE CORF	PS BA1						
		_				ROCKETS, ALL TYPES	(BLI 0151		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 (H	A07)									
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 (H	 A07)									
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	l 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 DEMARKS										

D. REMARKS

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

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST

ITEM NO. 3

Classification:

PAGE NO. 5 UNCLASSIFIED

FY 2006/2007 DON BUDGET	PRODU	JCTIO	N SCI	HEDU	LE, P-	21											DATI			Fe	bru	ary	20	05					
APPROPRIATION/BUDGET AC			NIA N	/\/ O		INIE OO						We	apoi	n Sy	ster	n				OMI									
PROCUREMENT OF AMI	MUNII	ION,	NAV	Y &	WAR									Dro	20118	00000				RO	CKE	:15,	ALI	_ I Y	PES	•	(I	3LI 0'	15100)
		Man	nufactu			Prod	duction	on R	ate		Λ1	ΤP	u:			emen After		Initia				1				ı		: 4	
Item	Ι,		and L		n	MSR	EC.	ON	M/	$_{\wedge}$		Oc			Oct			mua fg Pl			eord fg P			Tota	J			nit of asure	
MK 66 Rocket Motor (HA07)			DYNA			1	14	OIN	20		ιο	OC	l I		7	ı	IVI	18	<u> </u>	IVI	18	<u> </u>		25	l I		K	15UI	3
MK 71 Rocket Motor (H547)	NSW		DINA	AIVIICS)	1	8		15						6			12			19			18			K		
IVIC 71 ROCKET WOTOT (11947)	14344	O, 11 1				•	0		1	,								12			19			10			<u> </u>	_	
		Ī			I			FIS	CALV	/EAR	2004										FIS	CAL	VEAR	2005					_
ITEM / MANUFACTURER	F	FISCAL YEAR 2004 S											ENDAI	R YEA	AR 20	04					1 10			DAR \		2005			
	Y	V C	T Y	E L	A L	0 N C 0	D E	J A	F E	M A	A P	M A	J	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J	J	A U	S E	B A L
	03	N	04.0	0.0	04.0	T V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	P	10.0
MK66 Rkt Mtr/Gen Dyn	03	N N	64.0 20.0	0.0	64.0 20.0							Α										3.2				17.6	7.2	18.0	18.0
MK66 Rkt Mtr/Gen Dyn	05	N	18.4	0.0	18.4							,,												Α					18.4
MK71 Rkt Mtr/NSWC IH	03	N	3.5	0.0	3.5												1.8						1.7						0.0
MK71 Rkt Mtr/NSWC IH	04	N	2.0	0.0	2.0						Α												2.0						0.0
MK71 Rkt Mtr/NSWC IH	05	N	3.3	0.0	3.3																		Α						3.3
MK71 Rkt Mtr/NSWC IH	06	N	3.5	0.0	3.5																								\vdash
									FISC	CAL YE	AR 2	2006									FIS	CAL	YEAR	2007					
ITEM / MANUFACTURER	F	S	Q	D	В	2005						CALE	NDAI	R YEA	AR 20	06			ı			C	ALEN	DAR \	EAR!	2007			
	Y	V C	T Y	E L	A L	O N C O T V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	U L	A U G	S E P	O C T	N O V	D E C	J A N	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
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
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						Α												3.5						0.0
																													1
Remarks:		<u> </u>								_					1			<u> </u>				1							

FY 2006/2007 DON BUDGET	PRODU	JCTIO	N SC	HEDU	LE, P	-21											DATE			Fe	bru	ary	20	05					
APPROPRIATION/BUDGET AG PROCUREMENT OF AMI			NAV	/Y &	MAR	INE C	ORI	PS I	BA1			Wea		Sys				ITE			ENC	LAT	UR	E					
						Pro	oduct	tion I	Rate					Proc	cure	mer	it Le	adtir	nes										
			nufactu									T Pri			T Af			Initia			eord							it of	
Item		Name				MSR		8-5			to	Oct	1		Oct 1		M	fg Pl	_T_	M	fg Pl	LT		Tota	l		Mea	asur	Э
MK 66 Rocket Motor (HA07)	GEN	ERAL	DYNA	AMICS	5	1	14	•	20	0					7			18			18			25			K		_
		1	ī	Ī	Ī																								
ITEM / MANUFACTURER	F	s	Q	D	В	2007	,	F	ISCAL	YEAI			DAR	YEAR	2008	3					FISC		EAR LEND	2009 AR YI	EAR 2	:009			-
	Y	V	T Y	E L	A L	O N C O T V	Е	J A N	F E B	M A R	A P R	M A Y	J U	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
MK66 Rkt Mtr/Gen Dyn	05	N	18.4	17.0	1.5	1.5													_										0.
ITEM / MANUFACTURER	F	s	Q	D	В	2009	`		FISC	CAL Y	EAR 2		DAD	YEAR	2010						FISC		EAR	2011 AR YI	- ^ D 0	1044			-
TIEM/ MANOT ACTORER	Y	V	T	E	A	O N		J	F	М	Α	M	J	J	A 2010	s	0	N	D	J	F	М	A	M	AR Z	J	Α	s	E
		С	Y	L	L	C O T V	Е		E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	5 U L	U G	E P	L
																													L

FY 2006/2007 DON BUDGET P	RODU	ICTIO	N SCI	HEDU	LE, P	-21												DATI	Ē		Fe	bru	ary	20	05					
APPROPRIATION/BUDGET AC PROCUREMENT OF AMM	CUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 Production Rate Manufacturer's Name and Location MSR ECON MAX Smoke Warhead NSWC, IH 1 2 8														Sys			AIR	ITE BOF	RNE	RO					PES	}	(BL	.I 015	5100)
							Pro	duct	ion l	Rate								nt Le	adtir	nes										
													T P			T A			Initia			eord						Uni		
110111								_	ON	_		to	Oct	t 1	(Oct '	1	M	fg Pl	_T	M	fg P	LT		Tota	al		Mea	sure	<u> </u>
MK34 Smoke Warhead														6			12			20			18			K				
Adv. Precision Kill Weapon Sys	GEN	ERAL	DYNA	AMICS	8	ТВ	D	TBI)	TBI)					7			18			18			25			K		
				Ī					F	ISCAL	YEAI	R 200)4									FISC	CAL Y	EAR	2005					
ITEM / MANUFACTURER	F	S	Q	D	В		2003						CALE	NDAR	YEAF	₹ 200	4						CA	LEND	AR Y	EAR 2	2005			i
	Y	V C	T Y	E L	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	A U G	S E P	0 C T	N O V	D E C	J A N	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
MK34 Smoke Warhead/NSWC IH	03	N	3.7	0.0	3.7		-	Ū			.,		·	.,	_	_	·		•	Ū					3.7	.,				0.0
MK34 Smoke Warhead/NSWC IH	04	N	3.7	0.0	3.7							Α													0				3.7	0.0
MK34 Smoke Warhead/NSWC IH	05	N	0.0	0.0	0.0																				Α					0.0
MK34 Smoke Warhead/NSWC IH	06	N																									3.2			
Adv. Prec. Kill Weap Sys/Gen Dyn	06	N	0.3	0.0	0.3																									0.3
Adv. Prec. Kill Weap Sys/Gen Dyn	07	N	0.6	0.0	0.6																									0.6
										FISC	CAL Y	EAR	2006									FISC	CAL Y	EAR	2007					
ITEM / MANUFACTURER	F	s	Q	D	В		2005						CALE	NDAR	YEAF	R 200	6						CA	LEND	AR Y	EAR 2	2007			
	Y	V C	T Y	E L	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	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
MK34 Smoke Warhead/NSWC IH	05	N	0.0	0.0	0.0																							$\overline{}$		0.0
MK34 Smoke Warhead/NSWC IH	06	N	3.2	0.0	3.2		Α																		3.2					0.0
Adv. Prec. Kill Weap Sys/Gen Dyn	06	N	0.3	0.0	0.3			Α																	0.3					0.0
Adv. Prec. Kill Weap Sys/Gen Dyn	07	N	0.6	0.0	0.6															Α										0.6

FY 2006/2007 DON BUDGET PI			N SCI	HEDU	LE, P	·21												DATE	•		Fe	bru	ary	20	05					
APPROPRIATION/BUDGET ACT PROCUREMENT OF AMM			NAV	Y & 1	MAR	INE	CC	DRF	'S E	3A1		\	Wea	por	Sys	tem		P-1	ITE	M N	ОМ	ENC	CLAT	UR	E					
										Rate					Proc	cure	mer	nt Le	adtir	nes										
			nufactu										T Pr		AL				Initia			eord							t of	
Item			and L				SR	1-8		M		to	Oct	1	C	Oct 1	1	M	fg Pl	<u>.T</u>	M	fg P	<u>LT</u>		Tota	ıl	<u> </u>	Mea	sure	,
Adv. Precision Kill Weapon Sys	GENI	=RAL	DYNA	MICS	<u> </u>	TBE)	TBE)	TBI)					7			18			18			25		—	K		
																											\vdash	—		
									FI	SCAL	YEA	R 200										FIS	CAL Y							
ITEM / MANUFACTURER	F Y	S V	Q T	D E	B A		2007						I	IDAR	YEAR								T			EAR 20	009			В
	'	Č	Y	L	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	J L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	A Y	J J	U U	A U G	S E P	A L
Adv. Prec. Kill Weap Sys/Gen Dyn	07	N	0.6	0.0	0.6								0.6															H		0.0
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										FISC	CAL Y	EAR 2										FIS	CAL Y							
ITEM / MANUFACTURER	F Y	S V	Q T	D	В		2009							IDAR	YEAR	2010							1		1	EAR 2	011			В
	Ť	C	Y	E L	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	J U	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	J U	A U G	S E P	A L
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Remarks:			I																								Щ			Щ

I	BUDGET I	TEM JUS	TIFICATION	ON SHEE	Τ		DATE:					
		P-40							F	ebruary 2005	5	
APPROPRIATION/BUI	DGET ACTIV	/ITY					P-1 ITEM NC	MENCLATU	IRE			
PROCUREMENT (OF AMMU	NITION, N	IAVY & M	ARINE CO	ORPS/ BA	\-1	MACHINE	GUN AMI	NOITINU			BLI 015500
Program Element for C	ode B Items	:			Other Relat	ted Program	Elements					
	Prior	ID									То	
	Years*	Code	FY 2004	FY 2005**	FY 2006	FY 2007	FY2008	FY 2009	FY 2010	FY 2011	Complete	Total
COST												
(In Millions)	\$98.9	Α	\$17.8	\$32.5	\$23.7	\$16.2	\$24.6	\$24.8	\$25.4	\$25.9	Continuing	Continuning

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.

DD Form 2454, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

^{**} FY05 Includes Congressional add of \$7.0M for 20MM-BULK HEI.

CLASSIFICATION:

DD Form 2454, JUN 86

UNCLASSIFIED

ITEM NO.

BUDGET ITEM JUSTIFICATION SHEET FOR AGGI	REGATED ITE	MS					DATE:			
P-40a							Febru	ary 2005		
APPROPRIATION/BUDGET ACTIVITY				P-1 ITE	M NOMENCLA	ATURE	•			
PROCUREMENT OF AMMUNITION, NAVY & MARI	NE CORPS/B/	A-1		MACHINE GUI	OITINUMMA N	N			BLI 015500	
	ID	Prior							То	
Procurement Items	Code	Years*	FY 2004	FY 2005	FY 2006	FY 2007			Complete	Total
20MM BULK, TP										
Quantity	Α	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	Α	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	А	1,214,654	271,800	0	0	529,856			Continuing	Continuing
Funding		\$10,409	\$2,777	\$0	\$0	\$5,892				
20MM, LINKED, HEI										
Quantity	А	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	Α	55,300	0	0	0	0				
Funding		\$1,316	\$0	\$0	\$0	\$0				
20 MM LINKING EFFORT, TP, TPT										
Quantity	А	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 we	re funded in F	/94 and prior	from the We	apons Procurer	nent Navy (WF	N)				
and Other Procurement Navy (OPN) accounts.				D 4 OLIODO					DOUTION I	

P-1 SHOPPING LIST CLASSIFICATION:
4 PAGE NO. 2

	WEAPONS SYSTEM COST ANALYSIS					DATE:										
	P-5						ary 2005									
	RIATION/BUDGET ACTIVITY						DMENCLATUR									
PROCURE	MENT OF AMMUNITION, NAVY & MARINE CORPS BA-1						UN AMMUNITI	ON			BLI 015500					
			TOTAL COST	IN THOUSAN	IDS OF DOLL	.ARS										
COST	ELEMENT OF COST	ID	Prior	FY 2001		FY2004			FY2005			FY 2	2006		FY2007	
CODE		Code	Years*													
			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	Α	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
	20MM, BULK, HEI	A	25,713	- 0.00	210,200	0.10	1,000	937,969	22.94	21,517	135,772	23.51	3,192		24.10	
	20MM LINK, TP	A	10,409	8.62	271,800	10.22	2,777	307,300	22.04	21,017	100,772	20.01	0,102	529,856	11.12	
	20MM, LINK HEI	A	4,464	24.13		25.38	10,859				283,458	26.66	7,557	020,000	11.12	0,002
	20MM, LINK HEI (OIF SUPPL)	A	1,316	-	.2.,000	20.00	.0,000				200, 100	20.00	.,00.			
	20MM Linking Effort, TP,TPT	A	756	_												
Q 1000	2011111 2111111119 211011, 11 ,11 1	, ,														
Q4800	Integrated Logistics Support		2,229				185			565			575			605
Q4830	**Prod. Engr. SupNavy		13,298				1,720			1,571			1,782			1,789
Q4850	Product Improvement Program		5,260				531			530			563			566
Q4894	Gaging		55													
	tD () . EVOS EVOS	F) (0.4														
	*Reflects FY95-FY03 only, these programs were funded in and Other Procurement, Navy (OPN) accounts.	F Y 94 a	na prior from t	tne vveapons P	rocurement, i	navy (WPN) I										
	and Other Procurement, Navy (OPN) accounts.															
	Pricing is provided by the Army and incorporates other sen	l vicos' bu	1)/6													
	NOTE; Congressional funding received in FY-05 increased			ios of 20MM R	III K MEI											
	INOTE, Congressional funding received in 111-05 incleases	a procui	l dineni quanili	103 OI ZUIVIIVI-D	OLIVIILI.											
		I														
	TOTAL		98,937				17,752			32,548			23,666			16,229
	IVIAL		30,337				11,132			32,340			23,000			10,229

P-1 SHOPPING LIST CLASSIFICATION:

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CLASSIFICATION:

UNCLASSIFIED

MENT HISTOR	Y AND PL	ANNING EXHIE	BIT (P-5A)		Weapon System		A. DATE		
							F	ebruary 2005	5
ET ACTIVITY				C. P-1 ITEM N	OMENCLATURE			SUBHEAD	
MMUNITION, NA	VY &							J1	Q4
<u> </u>				MACHINE	GUN AMMUNITION	BLI 015500			
				CONTRACT			DATE OF	SPECS	IF YES
QUANTITY	UNIT	LOCATION	RFP ISSUE	METHOD	CONTRACTOR	AWARD	FIRST	AVAILABLE	WHEN
	COST	OF PCO	DATE	& TYPE	AND LOCATION	DATE	DELIVERY	NOW	AVAILABLE
	(000)								
273,250	6.15	ARMY IOC	N/A	FFP	GENERAL DYNAMICS	Jul-04	May-05	YES	
1,327,778	6.30		N/A		TBD	Apr-05			
1,547,523	6.46	ARMY IOC	N/A	FFP	TBD	Apr-06	Oct-06	YES	
538,066	6.62	ARMY IOC	N/A	FFP	TBD	Apr-07	Oct-07	YES	
937,969	22.94	ARMY IOC	N/A	FFP	TBD	Apr-05	Oct-05	YES	
135,772	23.51	ARMY IOC	N/A	FFP	TBD	Apr-06	Oct-06	YES	
158,299	24.10	ARMY IOC	N/A	FFP	TBD	Apr-07	Oct-07	YES	
273,090	9.43	ARMY IOC	N/A	FFP	GENERAL DYNAMICS	Sep-03	Jan-05	YES	
60,793	9.43	ARMY IOC	N/A	FFP	GENERAL DYNAMICS		Jan-05	YES	
271.800	10.22	ARMY IOC	FFP	TBD	Sep-04	Mar-05	YES		
529,856	11.12	ARMY IOC	N/A	FFP	TBD	Apr-07	Oct-07	YES	
427,800	25.38	ARMY IOC	N/A	FFP	TBD	Feb-04	Apr-04	YES	
				1		1		1	
Army and incorporat	tes other serv	ices' buys.							
•		•							
1	273,250 1,327,778 1,547,523 538,066 937,969 135,772 158,299 273,090 60,793 271,800 529,856 427,800	AMMUNITION, NAVY & 1 QUANTITY UNIT COST (000) 273,250 6.15 1,327,778 6.30 1,547,523 6.46 538,066 6.62 937,969 22.94 135,772 23.51 158,299 24.10 273,090 9.43 60,793 9.43 271,800 10.22 529,856 11.12 427,800 25.38	TACTIVITY (MMMUNITION, NAVY & 1	QUANTITY UNIT COST OF PCO DATE 273,250 6.15 ARMY IOC N/A 1,327,778 6.30 ARMY IOC N/A 1,547,523 6.46 ARMY IOC N/A 538,066 6.62 ARMY IOC N/A 937,969 22.94 ARMY IOC N/A 135,772 23.51 ARMY IOC N/A 158,299 24.10 ARMY IOC N/A 273,090 9.43 ARMY IOC N/A 273,090 9.43 ARMY IOC N/A 271,800 10.22 ARMY IOC N/A 271,800 10.22 ARMY IOC N/A 427,800 25.38 ARMY IOC N/A	ET ACTIVITY (MMUNITION, NAVY & MACHINE) QUANTITY UNIT COST OF PCO DATE CONTRACT METHOD & TYPE 273,250 6.15 ARMY IOC N/A FFP 1,327,778 6.30 ARMY IOC N/A FFP 1,547,523 6.46 ARMY IOC N/A FFP 538,066 6.62 ARMY IOC N/A FFP 135,772 23.51 ARMY IOC N/A FFP 158,299 24.10 ARMY IOC N/A FFP 24.10 ARMY IOC N/A FFP 273,090 9.43 ARMY IOC N/A FFP 273,090 9.43 ARMY IOC N/A FFP 273,090 9.43 ARMY IOC N/A FFP 273,090 9.43 ARMY IOC N/A FFP 273,090 9.43 ARMY IOC N/A FFP 273,090 9.43 ARMY IOC N/A FFP 273,090 9.43 ARMY IOC N/A FFP 273,090 9.43 ARMY IOC N/A FFP 273,090 10.22 ARMY IOC N/A FFP TBD 529,856 11.12 ARMY IOC N/A FFP TBD 529,856 11.12 ARMY IOC N/A FFP TBD 529,856 11.12 ARMY IOC N/A FFP TBD 529,856 11.12 ARMY IOC N/A FFP	C. P-1 ITEM NOMENCLATURE	C. P-1 ITEM NOMENCLATURE MACHINE GUN AMMUNITION BLI 015500	C. P-1 ITEM NOMENCLATURE MACHINE GUN AMMUNITION BLI 015500	C. P-1 ITEM NOMENCLATURE SUBHEAD J1

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 4

PAGE NO. 4

FY 2004/2005 BUDGET PROD	UCTIO	N SCH	EDULE, P-	21														DATE				Februa	ry 2005							
APPROPRIATION/BUDGET AC	TIVITY	,												Weapon	System			P-1 ITE	M NOME	NCLAT	JRE									
PROCUREMENT OF AMMUNIT	ION, N	AVY &	MARINE C	ORPS E	3A-1																MACHIN	IE GUN A	AMMUN	ITION				BLI 0155	500	
								Producti	on Rate							Pro	curemer	nt Leadtir	nes											
			Manufactu	ırer's									ALT Prio	r		ALT Afte	r		*Initial		,	'Reorder						Ur	nit of	
Item		N	ame and L	ocation		M	SR	1-8	3-5	M.	AX		to Oct 1			Oct 1			Mfg PLT			Mfg PLT			Total			Mea	asure	
20MM, BULK, TP	GEN	ERAL D	YNAMICS	, MARIC	N IL	6	6	27	70	7:	90		6			6			6			6			12			TH		
20MM, BULK, TP	ALLI	ANT TE	CH			6	66	27	70	7:	90		6			6			6			6			12			TH		
20MM, BULK, HEI	TBD					6	66	27	70	7	90		6			6			6			6			12			TH		
20MM, LINK, TP	GEN	ERAL D	YNAMICS	, MARIC	N IL	6	66	27	70	7:	90		6			6			6			6			12			TH		
20MM, LINK, HEI	TBD					6	66	27	70	7:	90		6			6			6			6			12			TH		
										FI	SCAL YE	AR 200)4									FI	SCAL Y	EAR 200)5					
			Q	D	В																									
ITEM/MANUFACTURER	F	S					2003					CAI	_ENDAR	YEAR 2	004									CALENI	DAR YE	AR 2005				
	Υ	V	Т	E	Α	0	N	D	J	F	M	Α	M	J	J	Α	S	0	N	D	J	F	M	Α	M	J	J	Α	S	В
		С	Υ	L	L	С	0	E	Α	E	Α	Р	Α	U	U	U	E	С	0	E	Α	E	Α	Р	Α	U	U	U	E	Α
1				l		Т	V	С	N	В	R	R	Y	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	L
20MM, BULK, TP																														
GENERAL DYNAMICS	04	N	273.3	0.0	273.3										Α										191.0	82.3				0.0
TBD	05	N	1327.8	0.0	1327.8																			Α						1327.8
TBD	06	N	1547.5	0.0	1547.5																									1547.5
20MM, BULK, HEI																														
GENERAL DYNAMICS	05	N	938.0	0.0	938.0																			Α						938.0
GENERAL DYNAMICS	06	N	135.8	0.0	135.8																			_ ^				$\overline{}$		135.8
GENERAL DINAMICS	00	IN	133.0	0.0	133.0																									133.0
20MM, LINK, TP										-																				
GENERAL DYNAMICS	02	N	273.1	0.0	273.1																55.0	55.0	55.0	55.0	E2 4		\vdash	$\overline{}$		0.0
GENERAL DYNAMICS	03	N	60.8	0.0	60.8																60.8	55.0	55.0	55.0	55.1		\vdash	$\overline{}$		0.0
TBD	03	N	271.8	0.0	271.8												Α				0.00		150.0	404.0			\vdash			0.0
IBD	04	IN	2/1.0	0.0	2/1.0												A						150.0	121.0			\vdash			0.0
COMMA LINIK LIEL																												\vdash		
20MM, LINK, HEI			407.0		407.0							440.5		00.7	00.7	00.7	55.0	00.0										\vdash		0.0
GENERAL DYNAMICS	04	N	427.8	0.0	427.8					Α		110.5		66.7	66.7	66.7	55.0	62.2									1	\vdash		0.0
					ļ																						Щ			
	_	_	_	_	_					FI	SCAL YE	AR 200										FI	SCAL Y	EAR 200						
ITEM / MANUFACTURER	F	S	Q	D	В		2005							ENDAR										CALENI		AR 2007	1			_
	Υ	V	T	E	Α	0	N	D	J	F	M	Α	M	J	J	A	S	0	N	D	J	F	M	Α	M	J	J	A	S	В
		С	Y	L	L	С	0	E	Α	E	Α	P	A	U	U	U	E	С	0	E	Α	E	Α	Р	Α	U	U	U	E	A
				ļ	ļ	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
20MM, BULK, TP																														
TBD	05	N	1327.8	0.0	1327.8	180.0	180.0	180.0	180.0	180.0	180.0	180.0	67.8															<u> </u>		0.0
TBD	06	N	1547.5	0.0	1547.5							Α						180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	107.5		<u> </u>		0.0
TBD	07	N	538.1	0.0	538.1																			Α						538.1
20MM, BULK, HEI																												, 7		
GENERAL DYNAMICS	05	N	938.0	0.0	938.0	180.0	180.0	180.0	180.0	180.0	38.0																			0.0
GENERAL DYNAMICS	06	N	135.8	0.0	135.8							Α						135.8										1		0.0
TBD	07	N	158.3	0.0	158.3																			Α						158.3
					1	İ												İ												
20MM, LINK, TP	1																													
TBD	07	N	529.9	0.0	529.9	İ												İ						Α						529.9
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 4 PAGE 5

UNCLASSIFIED CLASSIFICATION:

FY 2004/2005 BUDGET PRODU		N SCHE	DULE, P-2	21														DATE				Februa	ry 2005							
APPROPRIATION/BUDGET ACT	TIVITY							(BLI 0155	500)					Weapon	System			P-1 ITE	M NOME	NCLATU	IRE						BLI 0155	500		
PROCUREMENT OF AMMUNIT	ION, N	AVY &	MARINE C	ORPS	3A-1							•	(BI	_I 01550	0)						MACHIN	NE GUN	AMMUN	IITION						
								Production	on Rate							Pro	curemer	nt Leadtir	mes											
			Manufactu	ırer's									ALT Prior			ALT Afte	r		*Initial			*Reorder							nit of	
Item		N:	ame and L	ocation		MS	SR	1-8		M	4X		to Oct 1			Oct 1			Mfg PLT			Mfg PLT			Total				easure	
20MM BULK, TP	TBD					6	9	27	0	79	90		6			6			6			6			12			TH		
20MM, BULK, HEI	TBD					6		27		79			6			6			6			6			12			TH		
20MM, LINK, TP	TBD					6	6	27		79			6			6			6			6			12			TH		
20MM, LINK, HEI	TBD					6	6	27	0	79	90		6			6			6			6			12			TH		
										FI	SCAL Y	EAR 200)8									F	ISCAL Y	EAR 20	09					
ITEM / MANUFACTURER	F	S	Q	D	В		20	007					CAI	ENDAR	YEAR 2	2008								CALEN	DAR YEA	AR 2009				1
	Υ	V	Т	E	Α	0	N	D	J	F	M	Α	M	J	J	Α	S	0	N	D	J	F	M	Α	M	J	J	Α	S	В
		С	Υ	L	L	С	0	E	Α	E	Α	Р	Α	U	U	U	E	С	0	E	Α	E	Α	Р	Α	U	U	U	E	Α
						Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
20MM, BULK, TP																														
TBD	07	N	538.1	0.0	538.1	180.0	180.0	178.1																						0.0
20MM, BULK, HEI																														
GENERAL DYNAMICS	07	N	158.3	0.0	158.3	158.3																								0.0
20MM, LINK, TP																														
TBD	07	N	529.9	0.0	529.9	180.0	180.0	169.9																						0.0
										FI	SCAL Y	EAR 201	0									F	ISCAL Y	EAR 20	11					
			Q	D	В																									
ITEM/MANUFACTURER	F	S	Q	D	D		2009					CA	LENDAR	YEAR 2	010									CALEN	DAR YEA	AR 2011				
TIEN/N/M/MOI/NOTONEIX	Ÿ	V	т	Е	Α	0	N	D	J	F	М	Δ	M	1 2/11 2	J	Α	S	0	N	D		F	М	I A	M	1	- 1	Α	S	В
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Remarks:	•																													

*Navy qtys have historically been delivered in 6 months at a no-cost accelerated schedule.

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

UNCLASSIFIED

CLASSIFICATION:

			BUDGE1	ITEM JUST	IFICATION S	SHEET				DATE:		
				P-40							February	2005
APPROPRIATION/BUD	GET ACTIVIT	Υ						P-1 ITEM NOI	MENCLATURE			
PROCUREMENT O	F AMMUNI	TION, N	NAVY & MA	RINE CORPS	3				PRACTICE	BOMBS (J10	Q1)(BLI 016000)
Program Element for Co B.A.1 - Navy Ammu								Other Related	Program Elen	nents		
	Prior	ID									To	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY2011	Complete	Total
QUANTITY												
COST (In Millions)	\$351.3	Α	\$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

CLASSIFICATION:

ITEM NO. 5 PAGE NO. 1

DD Form 2454, JUN 86

	E	BUDGET IT	EM JUSTIFIC			GREGATE	DITEMS			DATE:	-	
APPROPRIATION/BUD	GET ACT	IVITY		P-40	<u>a </u>	I	P-1 ITEM NO	MENCLATURE	:		Februa	ry 2005
PROCUREMENT O			AVY & MARII	NE CORPS			I -I II LIVI IVO			(J1Q1)(B	LI 016000)	
	ID	Prior									То	
Procurement Items	Code	Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	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)	Α	-										
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)	Α											
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
OTHER COSTS			φυ,937	ψ4,009	φυ,σ10	φυ, 4 31					COIII	COIII
Miscellaneous Items			\$2,065	\$2,000	\$2,000	\$2,000	_				Cont	Cont
			+=,=00	+ =,= 00	+=,=00	+=,=00						
TOTAL:		\$351,258	\$46,574	\$53,370	\$56,569	\$49,871					Cont	Cont

P-1 SHOPPING LIST

ITEM NO. 5 PAGE NO. 2

UNCLASSIFIED

CLASSIFICATION:

	WE	EAPONS	SYSTEM CO P-5	OST ANALY:	SIS				Weapon Sy	stem			DATE: Fe	ebruary 2	.005
APPRO	PRIATION/BUDGET ACTIVITY								ID Code	P-1 ITEM NO	MENCLATUR	E/SUBHEAD			
PROCU	REMENT OF AMMUNITION, NAVY &	MARINE	CORPS												
	- Navy Ammunition									PRACTI	CE BOM	BS (J1Q	1)(BLI 0	16000)	
			TOTAL COST	Γ IN THOUSA	NDS OF DOL	LARS						•			
COST CODE	ELEMENT OF COST	ID Code	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
	PROCUREMENTS														
Q1010	MK 76 (E973)	Α				0	196,000	30.59	5,996	196,000	31.11	6,098	196,000	31.66	6,205
Q1040	MK 82 INERT (F237)	Α	-	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*	Α		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)	Α		4,000	1,481.92	5,928	4,000	1,506.75		6,813	1,531.90	10,437	3,630	1,559.62	5,661
Q1061	BDU-48(E962)	Α		20,000	30.08	602	20,000	45.50	910	20,000	46.29	926	20,000	47.12	942
	REMENT SUPPORT AND OTHER														1
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

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 5 PAGE NO. 3

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND	PLANNING I	EXHIBIT (P-	5A)			Weapon System		A. DATE		
								Fe	ebruary 20	005
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
PROCUREMENT OF AMMUNITION, NAV	Y & MARINE	CORPS								
						BOMBS (BLI 0160	000)		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
Q1010 MK 76 (E973)										
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	
Q1040 MK 82 INERT/ F237)								-		
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	
Q1300 Laser Guided Training Round										
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	
Q1060 MK 83 Inert (E511)										
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	
Q1061 BDU-48(E962)										
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

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST

ITEM NO. 5 PAGE NO. 4

UNCLASSIFIED

Classification:

 $[\]ensuremath{^{**}\text{LGTR}}$ FY04 - \$1,885k included in total cost to buy steel and $\ensuremath{^{**}\text{wooden}}$ containers.

FY 2004/05 BUDGET PRODUCT		HEDU	ILE, P-2	1														DATE					Febr	uary 2	2005					
APPROPRIATION/BUDGET ACT PROCUREMENT OF AMMUNITION		/V 0 B	AADINE	CORR	•								V	Veapo	n Syste	em		P-1 N	omeno	lature			DDA	CTICE	BOM	26 / 14 /	Q1) (BL	1 0460	000)	
PROCUREMENT OF AMMONITE	JN, NA	/ T OX IV	IAKINE	CORP	•	1		Droduo	tion Rate							Dro	curem	ent Ler	adtima				FRA	CTICE	DUIVII	33 (310	41) (DI	_10160	J00)	
	1		Manufac	turor'o				Toduc	tion Kat	7		Λ	LT Pric	or.	^	ALT Aft		EIII LE	Initial	-		Reorde	-						nit of	
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Item	_		me and		n	IV	1SR		-8-5	MA		τ	o Oct 1	<u> </u>		Oct 1		l,	√lfg PL	.1		Mfg PL	I		Total		T1441		easure	
MK 76			LESTER				120000			108000									14						21		IVVIN	I/BULK		
MK 82 INERT	-	MCA	LESTER	(OK)			54000		96000	192000	ann.					6			28						34				K	
																											\vdash			
ITEM / MANUFACTURER			Q	D	В				1	FISCA	L YEAR 2	2004			E.D. 000							ı	FISCAL YE	AR 2005 CALEND						_
TIEW / MANUFACTURER	Y	S V	T	E	A	2003								NDAR	'EAR 200				I					CALEND		2005			$\overline{}$	- B
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MK 76(E973) THOUSANDS	+	N																									\vdash	<u> </u>	-	+
UNKNOWN	05		196.0	0	196.0																			Α			1			196.0
UNKNOWN	06		196.0	0	196.0																									196.0
UNKNOWN	07		196.0	0	196.0																									196.0
MK82(F237) THOUSANDS	-	N																									-	\vdash	+	+
MCALESTER	04		14.9	0	14.9					Α																	1			14.9
MCALESTER	06		7.0	0	7.0																									7.0
MCALESTER	07		11.5	0	11.5																									11.5
										FISC	AL YEAR	2006										-	FISCAL YE	AR 2007						
ITEM / MANUFACTURER	F	s	Q	D	В	2005							CALE	NDAR Y	'EAR 200	06								CALEND	AR YEAR	2007				
	Υ	V	T	E	A	0	N	D	J	F	M	Α	М	7	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	B
		С	Y	L	L	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	L
MK 76(E973) THOUSANDS	+	N																									\vdash	_	-	+
UNKNOWN	05		196.0	0	196.0								40.0	40.0	40.0	40.0	36.0													0.0
UNKNOWN	06		196.0	0	196.0							Α													40.0	40.0	40.0	40.0	36.0	
UNKNOWN	07		196.0	0	196.0																			Α			<u> </u>	<u> </u>		196.0
MK82 (F237) THOUSANDS																											 '	<u> </u>	<u> </u>	
MCALESTER	04		14.9	0	14.9									7.9	7.0												<u> </u>		<u> </u>	0.0
MCALESTER	06 07		7.0	0	7.0	I				Α																	.		↓	7.0
MCALESTER			11.5	0	11.5		1	1		1	1		1		1		1					Α	1		l	1	•	i i	1	11.5

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 5 PAGE 5 UNCLASSIFIED

FY 2004/05 BUDGET PRODUCTION SCHEDU	LE, P-21																	Date							Febru	uary	2005			
APPROPRIATION/BUDGET ACTIVITY Procurement of Ammunition, Marine Corps	1												We	eapon	,						enclat	ure PF	RACT	TICE E	ВОМЕ	38 (.	J1Q1)) (B	LI 01	16000
								Produ	ction Ra	te						rocur		t Lea	dtime	s										
			Manufacti	urer's								Α	LT Pri	or	AL	LT Aft	er		Initial		F	Reorde	er					U	Init of	
Item		Na	ame and L	ocation	n	MS	SR	1	1-8-5	M	ΑX	1	o Oct	1		Oct 1		M	fg PL	Т.	I.	/lfg PL	Т	Т	Total			Me	easure	:
LGTR	LOCK	HEED.	-MARTIN(L	ORAL)		UNK			3600	UNK						6			14						20			Е		
MK 83 Inert		ESTE		,		UNK			43200		0/ann					15			16						31			E		
BSU-86		ESTE				UNK				12000						15			13						28			Ē		
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ITEM / MANUFACTURER	F	s	Q	D	В	2003		FIS	SCAL YEAR	2004			CALENDA	AD VEAE	2 0004								FISCAL		DAR YEA	D 0005				1
TIEM / MANOFACTORER	Y	V	T	E	A			T			1		1	AR YEAR	R 2004											.R 2005	1	ı —	I	В
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						T	V	C	N	В	R	R	Ŷ	N	L	G	P	T	V	C	N	В	R	R		N	L	G	P	L
Laser Guided Training Round	-	N		1							1															\dashv				
LOCKHEED-MARTIN	04	t	7933	0	7933	1		†				Α										673	660	660	660 6	660	660	660	660	2640
UNKNOWN	05		13062	0	13062																			Α						13062
UNKNOWN	06		10867	0	10867																									10867
UNKNOWN	07		7941	0	7941																									7941
		1																												
MK 83 Inert(E511)		N																												
MCALESTER	04	IN	4,000	0	4,000				Α																2	000	2000			0
MCALESTER	05	1	4.000	0	4.000				- '`												Α					-	2000			4.000
MCALESTER MCALESTER	06	1	6,813	0	6,813																-/-									6,813
MCALESTER	07		3,630	0	3,630																									3,630
WOALESTER	07		3,030	-	3,030																									3,030
	-	₩																												
										FISC	AL YEAR												FISCAL	YEAR 20						
	F	S	Q	D	В	200		1		1	,	(CALENDA	AR YEAR	R 2006									CALEND	AR YEA	R 2007			,	1
	Y	V C	T Y	E	A L	0	N O	D E	J	F	М	A	М	J	J	A	S E	0	N	D	J	F	М	A		J	J	A	S	B A
ITEM / MANUFACTURER			l '	-	_	C T	V	C	A N	E B	A R	P R	A Y	U N	U L	U G	P	0 C T	N O V	E C	A N	F E B	A R	P R		U N	U L	U G	E P	L
		1																								T t				
Laser Guided Training Round	0.4	N	7000	5000	0040	000	660	000	660																					
LOCKHEED-MARTIN UNKNOWN	04 05	1	7933 13062	5293 0	2640 13062	660	660	660	660	1088	1088	1088	1088	1000	1000	1088	1000	1000	1000	1000	1004									0
UNKNOWN	06	1-	13062	0	13062	1		-	1	1008	1008	1088 A	1006	1008	1000	1008	1008	1008	1008	1008	1094	906	905	905	905 0	205	905	905	905	3626
UNKNOWN	07	1	7941	0	7941			-				_										300	303	903 A	500 8	,00	300	303	303	7941
MK 83 Inert(E511)		N	1	t – Ť		1																								1.541
MCALESTER	05	T	4000	0	4000	1								2000	2000											T				0
MCALESTER	06	1	6813	0	6813				Α												3406	3407				T				0
MCALESTER	07		3630	0	3630																Α									3630
																						1							1	

DD Form 2445, Jul 87 311/244

Previous editions are obsolete

P-1 SHOPPING LIST

FY 2004/05 BUDGET PRODUCT APPROPRIATION/BUDGET ACT		HEDU	JLE, P-2	21									We	apon :	Syster	n	D ₋ 1	ITE	M NOM	IENCI	ΔΤΙΙΕ		bruar	y 2005					
PROCUREMENT OF AMMUNITION		VY & I	MARINE	CORI	PS								***	ароп	Jy Olo.			111	VI INCIV				ВОМІ	3S(J10	1) (BLI	0160	00)		
								Produ	uction R	ate					Pr	ocuren	ent Le	adtim	nes										
			anufactu									Α	LT Pri	or	AL	T After		Init	ial		eorde						Ur	nit of	
Item			ne and L		1	MS		1	-8-5		٩X	1	o Oct	1	(Oct 1		Mfg I	PLT	M	lfg PL	T		Tota			Me	asure)
MK 82 Inert		MCA	LESTER	R(OK)		5	54000		96000	2000/an	n.					6		1	4					20			K		
LGTR		LOC	KHEED-	MART	IN(LOR	AL)	UNK		3600	UNK						6		1	4					20			Е		
	_	_		_	_			FISCA	AL YEAR 2	800										1		FISC		R 2009					l
ITEM / MANUFACTURER	F	S V	Q T	D E	B A	20					1	C/	LENDAF	YEAR	2008			_	1	1 1			CA	LENDAR YE	AR 2009				В
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MK 76 (E973) THOUSANDS	+	N																											
UNKNOWN	07		196.0	0	196.0								40	40	40	40	36												0
MK 82 Inert (F237) THOUSANDS		N																											
MCALESTER	06		7.0	0	7.0									7.0															0
MCALESTER	07		11.5	0	11.5																				11.5				0
LASER GUIDED TRAINING ROUND UNKNOWN	06	N	10867	7241	3626	905	905	905	911								_												0
UNKNOWN	07		7941	0	7941	903	903	900	311	661	661	661	661	661	661	661 6	61 66	66	661	670									0
MK 83 INERT (E511)	0.	N		Ŭ						00.				00.	001	00.	.0.			0.0									
MCALESTER	07		3630	0	3630				3630																				0
										FISC	AL YEAR 2	010										FISC	CAL YEA	R 2011					ĺ
ITEM / MANUFACTURER	F	S	Q	D	В	2009						CA	LENDAF	YEAR	2010		_						CA	LENDAR YE	AR 2011				l
	Y	V C	T Y	E L	A L	O C T	N O V	ОпО	J A N	F E B	M A R	A P R	M A Y	ZCC	J U	U	S O E C P T	C) E	J A N	впл	M A R	A P R	M A Y	JUN	J	0 ⊂ ⊳	Ыπ	B A L
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST CLASSIFICATION:

311/244 ITEM NO 5 PAGE 7 UNCLASSIFIED

		BU	DGET ITEM	JUSTIFICA	TION SHEE	Т			DATE:			
			P-4	0						February 2005		
APPROPRIATION/B	UDGET ACTIVI	TY					P-1 ITEM NO	MENCLATURE		BLI 018000		
PROCUREMENT	OF AMMUN	ITION,	NAVY & MA	RINE CORF	PS/BA-1		Cartridges	and Cartrid	ge Actuated	Devices (CAR	TS/CADS)	
Program Element for	Code B Items:						Other Related	Program Elem	nents	-	-	
	Prior *	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST (In Millions)	\$208.7	А	\$29.0	\$29.5	\$32.6	\$33.3	\$34.1	\$34.9	\$35.7	\$36.6	Cont	Cont

Escape System/Life Support Devices

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.

Weapons/Stores Release Cartridges

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.

Integrated Logistics Support

Integrated Logistics Support (ILS) efforts will provide ILS planning, maintenance standardization, supply support, other technical ILS production efforts.

Production Engineering Support

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.

Product Improvement Programs

DD Form 2454, JUN 86

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.

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 6 PAGE NO. 1

DD Form 2454, JUN 86

BUI	DGET IT	TEM JUSTI	FICATION	SHEET FOR	AGGREGA	TED ITEM	3		DATE:			
			P-	-40a						February 2	2005	
APPROPRIATION/BUDGET AC	TIVITY						P-1 ITEM NO	MENCLATURE		BLI 018000		
PROCUREMENT OF AMM	IUNITIO	N, NAVY 8	MARINE C	ORPS/BA-1			Cartridges	and Cartrid	ge Actuated	d Devices (0	CARTS/CADS	S)
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)	Α											
QTY			72,206	180,000	180,000	180,000					Cont	Cont
Funding			\$469	\$945	\$1,004	\$1,022						
JAU-22/B Init. Ctg. (MF64)	Α											
QTY			154,744	105,000	105,000	105,000					Cont	Cont
Funding			\$2,267	\$1,449	\$1,887	\$1,920						
Thermal Battery (CWDR)	Α											
QTY			228	301	264	259					Cont	Cont
Funding			\$839	\$1,246	\$959	\$960						
BBU-57/A Cutter (SR95)	Α											
QTY			139	78								
Funding			\$1,104	\$785								
FLU-12/P Inflator	Α											
QTY			18,000	21,000	15,000	15,000					Cont	Cont
Funding			\$2,894	\$3,003	\$2,022	\$2,062						
JAU-74 Initiator (WB15)	Α											
QTY					988	601					Cont	Cont
Funding					\$1,848	\$1,166						
F-18 DIFRS (MJ91/WB19)	Α				\$926	\$1,192					Cont	Cont
Navy Aircrew Common Ejection Sea	Α		\$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						
				ļ			<u>l</u>	ļ				1

P-1 SHOPPING LIST

ITEM NO. 6 PAGE NO. 2

CLASSIFICATION:

	WEAPONS SYSTEM CO P-5	OST ANA	ALYSIS			Weapon Sy	stem							DATE: February	2005
_	PRIATION/BUDGET ACTIVITY REMENT OF AMMUNITION, NAVY & MARI	NE COR	PS/BA-1			ID Code			RE/SUBHEA		ces (CAR	BLI 018000		i ebidaiy	2003
	,		TOTAL COST	T IN THOUS	ANDS OF DO	DLLARS					•	•			
COST	ELEMENT OF COST	ID Code	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
Q8200 Q8090	STORES RELEASE CCU-107 Imp Ctg (MT95) JAU-22/B Init. Ctg. (MF64) SAFETY	A A		72,206 154,744		469 2,267	180,000 105,000	5.25 13.80		180,000 105,000	5.58 17.97	,	180,000 105,000	5.68 18.29	,
	Thermal Battery (CWDR) Thermal Battery (CWDR) - Green BBU-57/A Cutter (SR95) FLU-12/P Inflator (JL09) JAU-74 Cartridge Actuated Initiator (WB15) F-18 DIFRS (SR95/WB19) Navy Aircrew Common Ejection Seat Miscellaneous Devices Under \$500K Integrated Logistics Support (ILS) Production Engineering Support (PES) Quality Assurance (QA) Product Improvement Program (PIP) Acceptance Testing	A A A A A		142 86 139 18,000	4,009.90 3,134.00 7,940.80 160.77	569 270 1,104 2,894 1,818 11,467 629 2,691 437 2,730 1,671	301 78 21000	4,138.16 10,070.51 143.00	785	132 132 15,000 988	4,021.59 3,240.00 134.78 1,870.95	428 2,022		4,098.45 3,310.00 137.44 1,939.77	427 2,062
	TOTAL	-	208,726			29,016			29,468			32,586			33,345

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 6 PAGE NO. 3

BUDGET PROCUREMENT HISTORY	AND PLANNIN	IG EXHIBIT (P-	5A)			Weapon System		A. DATE		
								February 2005		
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOME	NCLATURE	BLI 018000		SUBHEAD	
PROCUREMENT OF AMMUNITION,	NAVY & MARIN	IE CORPS/BA-	I		Cartridges a	and Cartridge Actuated D	evices (CAF	RTS/CADS)	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
STORES RELEASE										
Q8200 CCU-107 Imp Ctg (MT95) FY 04	72,206	6.50	NAVICP	Oct-03	C/FP	Technical Ordnance Inc.	Apr-04	Apr-05	YES	
FY05	180,000	5.25	NAVICP	Sep-04	C/FP	St. Bonifacius, MN 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

CLASSIFICATION

ITEM NO. 6 PAGE NO. 4

BUDGET PROCUREMENT HIST	ORY AND PLAN	NING EXHIBIT (P-5A)			Weapon System		A. DATE		
					1			February 2005	1	
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOME		BLI 018000		SUBHEAD	
PROCUREMENT OF AMMUNITION	ON, NAVY & MA	RINE CORPS/B	A-1			Cartridge Actuated Device	es (CARTS/		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
SAFETY										
Q8060 Thermal Battery (CWDR)										
FY 04	142 86	4,009.90 3,134.00	NAVAIR NAVICP	Oct-03 Apr-04	SS/FP SS/FP	Martin-Baker Aircraft Company Eagle-Picher Joplin, MO	Dec-01 Aug-04	Apr-05 Apr-05	YES YES	
FY 05	301	4,138.16	NAVAIR	Oct-04	SS/FP	Martin-Baker Aircraft Company	Apr-05	Apr-06	YES	
FY 06	132 132	4,021.59 3,240.00	NAVAIR NAVICP	Oct-05 Oct-05	SS/FP SS/FP	Martin-Baker Aircraft Company Eagle-Picher	Apr-06 Apr-06	Apr-07 Apr-07	YES YES	
	132	3,240.00	NAVICE	OCI-05	33/FF	Lagie-Fichel	Api-00	Αρι-07	ILS	
FY 07	130 129	4,098.45 3,310.00	NAVAIR NAVICP	Oct-06 Oct-06	SS/FP SS/FP	Martin-Baker Aircraft Company Eagle-Picher	Apr-07 Apr-07	Apr-08 Apr-08	YES 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)						Er deganae, er t				
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

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

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^{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.

		BU	DGET ITEM	JUSTIFICA	TION SHEE	Т			DATE:			
			P-4	.0						February 2005		
APPROPRIATION/BUD	GET ACTIVI	TY					P-1 ITEM NO	MENCLATURE		BLI 018100		
PROCUREMENT O	F AMMUN	ITION,	NAVY & MA	RINE CORP	'S/ BA-1		Aircraft Es	cape Rocke	ts/Catapult	s		
Program Element for Co	de B Items:						Other Related	Program Elem	nents			
	Prior	ID										
	Years	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	Α	\$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 aircrewmen 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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ITEM NO. 7 PAGE NO. 1

CLASSIFICATION:

NO. 7 PAGE NO. 1

UNCLASSIFIED CLASSIFICATION:

DD Form 2454, JUN 86

	BUDGE	T ITEM JU	ISTIFICATIO	ON SHEET F P-40a	OR AGGRE	GATED ITI	EMS		DATE:	Februa	ry 2005
APPROPRIATION/BUD	GET ACT	TVITY					P-1 ITEM NO	MENCLATURE	<u> </u>	BLI 018100	,
PROCUREMENT O	F AMMU	JNITION. N	IAVY & MAI	RINE CORP	S/ BA-1		Aircraft Es	cape Rocke	ts/Catapults	3	
Procurement Items	ID Code	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY2010	FY2011	Total
1 Tocarciniciti items	Oodc	rears	1 1 2004	1 1 2005	1 1 2000	1 1 2007	112000	1 1 2003	1 12010	1 12011	Total
MK 122	Α										Cont
QTY			159	204	233	233	3				
Funding			\$461	\$624	\$726	\$740					
MK 123	Α										
QTY			10	38	47	47	,				
Funding			\$83	\$340	\$423	\$426					
MK 124	Α										
QTY			50	50	97	97	,				
Funding			\$416	\$447	\$873	\$880					
Misc. Devices			\$4,609	\$4,538	\$3,879	\$4,000					
Other Support			\$4,827	\$4,744	\$4,959	\$5,073					
TOTAL		\$85,610	\$10,396	\$10,693	\$10,860	\$11,119					Cont
					P-1 SHOPPI					CLASSIFICA ⁻	

ITEM NO. 7 PAGE NO. 2

	WEAPONS SYSTEM COS	ST ANA	LYSIS			Weapon Sy	stem							DATE: Februar	y 2005
APPROF	PRIATION/BUDGET ACTIVITY								TURE/SUBHE				I.		•
PROCUE	REMENT OF AMMUNITION, NAVY & MARIN	NE COR	PS/ BA-1			Α	Aircraft E	Escape Ro	ockets/Cat	apults			BLI 0181	00	
0007	ELEMENT OF COOT		TOTAL COS	T IN THOUS		OLLARS		FV 0005			F1/ 0000		T	E)/ 0007	
COST CODE	ELEMENT OF COST	ID Code	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
Q9080 Q9081 Q9130 Q9820 Q9800 Q9830 Q9850	SAFETY MK122 Parachute Deploy Rkt Motor (MT29) MK123 Underseat Rkt Motor (MT30) MK124 Underseat Rkt Motor(MT31) Miscellaneous Devices Under \$500K Reliability Life Integrated Logistics Support (ILS) Production Engineering Support (PES) Product Improvement Program (PIP) Acceptance Test	A A A		159 10 50	2,900.00 8,313.31 8,313.31	461 83 416 4,609 675 450 1,312 1,598 792	204 38 50	3,059.31 8,935.00 8,935.00	624 340 447 4,538 690 469 1,341 1,337 907	233 47 97	3,117.60 8,997.00 8,997.00	423	47 97	9,069.00	740 426 880 4,000 707 507 1,419 1,379 1,061
	TOTAL		85,610			10,396			10,693			10,860			11,119

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 7 PAGE NO. 3

SUDGET PROCURE	EMENT HISTO	ORY AND PL	ANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
				<u> </u>					February 20	05
. APPROPRIATION/BUDG	SET ACTIVITY		·		C. P-1 ITEM N	IOMENCLATURE	_		SUBHEAD	
ROCUREMENT OF	AMMUNITIC	ON, NAVY &	MARINE CORPS/	BA-1		scape 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
09070 MK 122 Parach	nute Deploymer	nt Rkt Mtr (MT	29)							
FY 04 FY 05 FY 06 FY07	159 204 233 233	2,900.00 3,059.31 3,117.60 3,176.82	NAVICP NAVICP NAVICP NAVICP	Oct-03 TBD TBD TBD	C/FP C/FP C/FP	BF Goodrich, Phoenix, AZ UNKNOWN UNKNOWN UNKNOWN	MAY 04 APR 05 APR 06 APR 07	APR 05 APR 06 APR 07 APR 08	YES YES YES YES	
09080 MK 123 Unders	l seat Rkt Mtr (M	<u>T30)</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	
09081 MK 124 Unders	eat Rkt Mtr (M7	<u>[31)</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.

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST

Classification:
UNCLASSIFIED

ITEM NO. 7 PAGE NO. 4

	BUD	GET ITE	M JUSTIF	ICATION S			DATE:					
			P-40						Fe	ebruary 20	05	
APPROPRIATION/BI	UDGET ACTIVITY	•					P-1 ITEM NO	MENCLATU	RE	(BLI 018200)	
PROCUREMENT OF	AMMUNITION, N	IAVY & N	MARINE COR	PS/BA-1 Nav	y Ammunitio	on	А	IRBORNE EX	PENDABLE	C/M PROGR	AM (S/H Y1Q	A)
Program Element for	Code B Items:					Other Relate	d Program El	ements				
RDT&E 0604270N												
	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.

P-1 SHOPPING LIST ITEM NO. 8 PAGE NO. 1

CLASSIFICATION:

	WEAPONS SYSTEM COST ANALYSI P-5	S				Weapon Sy	stem						DATE:	ebruary 200	15
PROCUE	PRIATION/BUDGET ACTIVITY REMENT OF AMMUNITION, NAVY & N Ammunition	MARINE (CORPS/BA-	1 Navy		ID Code	P-1 ITEM NOM			ABLE C/M PR	OGRAM (S/I	BLI (01820 H Y1QA)		Columny 200	
	Animumuon							TOTAL COST	IN THOUSA	NDS OF DOLI	_ARS				
COST	ELEMENT OF COST (BLI 018200)	ID Code	Prior Years*		FY 2004			FY 2005			FY 2006			FY 2007	
0021	(52.010200)		Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cos
	ACTIVE JAMMERS AAED (ALE-50)	A	27,992	311	20,666.00	6,427	400	22,450.00	8,980						
QA120	FOTD / IDECM	В	6,937							340	51,000.00	17,340	375	50,600.00	18,975
	<u>IR DECOYS</u> MJU-32/B ROTARY WING DECOY	А	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
	MJU-38/B TACAIR DECOY MJU-38/B TACAIR DECOY (IFF)	A A	14,511 1,257							13,130	33.00	433	2,000	33.50	67
	MJU-49/B DECOY DEVICE MJU-49/B DECOY DEVICE (IFF)	A A	24,002 1,674	46,900	115.39	5,412	90,000	134.83	12,135	106,850	137.53	14,695	106,634	140.28	14,959
QA260	SM875B (TRAINING FLARE)	Α	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)	Α	1,205							43,000	68.00	2,924	43,000	68.00	2,924
QA200	MJU-52 BOL IR	Α	14,242												
QA225	MJU-55 Companion	Α		19,631	159.98	3,141				37,000	121.90	4,510	42,000	123.12	5,171
QA230	MJU-57 Kinematic	Α	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)	Α		54,000	30.00	1,620									
	MJU-64 (Title IX)	Α		56,000	135.00	7,560									
QA235	M206 (1X1) Magnesium	А	343							40,000	23.50	940	40,000	24.00	960
QA090	IMPULSE CARTRIDGES CCU-136A/A (HERO SAFE) CCU-136A/A (HERO SAFE) (IFF)	A A	11,721 339	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
QA100	CCU-144A	А													
QA115	CCU-145A (Title IX in FY04)	Α		60,000	10.00	600				83,000	5.00	415	83,000	5.00	415
	PAGE TOTAL	1	127,756			36,229			35,966			55,224			57,910

^{*} FY95 through FY03 only

	WEAPONS SYSTEM COST ANALYS P-5	SIS				Weapon Sys	stem						F	DATE:	
	PRIATION/BUDGET ACTIVITY REMENT OF AMMUNITION, NAVY & Ammunition	MARINE	CORPS/BA-	1 Navy		ID Code	P-1 ITEM NO	MENCLATURE AIRBORN		ABLE C/M PR	OGRAM (S/H	BLI (018200	0)		
								TOTAL COST	IN THOUSA	NDS OF DOLL	_ARS				
COST	ELEMENT OF COST	ID Code	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	IMPULSE CARTRIDGES CONT'D BBU-35 (Title IX)	А	250	42,000	3.67	154									
	CHAFF COUNTERMEASURES RR-129A CHAFF CM RR-129A CHAFF CM (IFF)	198,720	7.99	1,588				253,440	7.99	2,025	299,520	8.07	2,417		
QA020	RR-144A TRNG CHAFF									76,800	8.20	630	76,800	8.20	630
QA030	RR-170A CHAFF 1X1	А	73												
N/A	VARIOUS (1)		38,344												
QA830	SUPPORT COSTS PRODUCTION ENGINEERING PRODUCTION ENG (Title IX) PRODUCT IMPROVEMENT		28,674 40,083			3,797 66 5,489			3,699 2,755			3,849 2,575			3,849 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.

		RUD	SET PROCUPE	MENT HISTORY AND PLA	ANNING EXI	HRIT (P-5A)	Weapon System		DATE		
			JETT KOCOKE	MENT HISTORY AND LE		` ,				ebruary 200	5
B. APPROPRIATI						C. P-1 ITEM NO		(BLI 018200)		SUBHEAD	
PROCUREMEN		ITION, NAVY 8	MARINE COR	PS		AIRBOR	NE EXPENDABLE C/M PROGRAM	VI		Y1	QA
BA-1 Navy Am	nunition	т т	UNIT		T	CONTRACT		1	DATE OF	SPECS	DATE
Cost Element/		QUANTITY	COST	LOCATION	RFP ISSUE	METHOD	CONTRACTOR	AWARD	FIRST	AVAILABLE	REVISIONS
FISCAL YEAR		Q0/111111	0001	OF PCO	DATE	& TYPE	AND LOCATION	DATE	DELIVERY	NOW	AVAILABLE
ACTIVE JAMM	ERS										
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	
INFRARED DEC	coys										
MJU-32/B ROT/		COY									
							Coachella, CA				
(LA01)	FY 04	28,490	38.76	NICP Mechanicsburg	Dec-03	C/FP	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 TAC	AIR 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								1			

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P-1 SHOPPING LIST ITEM NO. 8 PAGE NO. 4

		BUD	GET PROCUPI	EMENT HISTORY AND PLA	ANNING EXI	HIRIT (P.5A)	Weapon System		DATE		
			GLIFKOCOKI	INICIO I INICIO I AND FLA		, ,				ebruary 200)5
_	ON/BUDGET ACTI		MADINE COE	NDO.		C. P-1 ITEM NO		(BLI 018200)		SUBHEAD	0.4
	NT OF AMMUNIT	IION, NAVY	WARINE COR	(P5		AIRBOR	NE EXPENDABLE C/M PROGRAM	VI		Y1	QA
BA-1 Navy Am	munition		UNIT		1	CONTRACT		1	DATE OF	SPECS	DATE
Cost Element/		QUANTITY	COST	LOCATION	RFP ISSUE	METHOD	CONTRACTOR	AWARD	FIRST	AVAILABLE	REVISIONS
FISCAL YEAR	COVE (CONTID			OF PCO	DATE	& TYPE	AND LOCATION	DATE	DELIVERY	NOW	AVAILABLE
MJU-49/B DEC	COYS (CONT'D	2									
(DWCI)	FY 04	46,900	115.39	NSWC Crane, IN	Dec-03	SS/FP	Alloy, Chester Township, PA	May-04	Dec-04	YES	
(DWCI)	FY 05	90,000	134.83	NSWC Crane, IN	Dec-04	SS/FP	Alloy, Chester Township, PA	May-05	Nov-05	YES	
(DWCI)	FY 06	106,850	137.53	NICP Mechanicsburg, PA	Dec-05	SS/FP	Alloy, Chester Township, PA	Feb-06	Mar-06	YES	
(DWCI)	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 Compa	inion										
(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	

^{*} ASTERISK DENOTES IRAQI FREEDOM FUNDS (IFF)

P-1 SHOPPING LIST ITEM NO. 8 PAGE NO. 5

		BIID	CET DECCLIE	EMENT HISTORY AND PLA	VNNING EAR	JIDIT (D.5A)	Weapon System		DATE		
			GET FROCORI	LINICINI TIISTORT AND FLA		` '				ebruary 200)5
B. APPROPRIATION			MADINE COL	ane.				(BLI 018200)		SUBHEAD	0.4
PROCUREMEN		IIION, NAVY 8	MARINE COR	(P5		AIRBOR	RNE EXPENDABLE C/M PROGRAM	l		Y 1	QA
BA-1 Navy Amr	numition		UNIT		I	CONTRACT	1		DATE OF	SPECS	DATE
Cost Element/		QUANTITY	COST	LOCATION	RFP ISSUE	METHOD	CONTRACTOR	AWARD	FIRST	AVAILABLE	REVISIONS
FISCAL YEAR				OF PCO	DATE	& TYPE	AND LOCATION	DATE	DELIVERY	NOW	AVAILABLE
INFRARED DEC	COYS (CONT'E	<u>))</u>									
MJU-57 Kinema		45.000	044.00	NOWO	D 00	0/50	NOMO O TO A IN	1. 04	1.104	VE0	
(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/Te											
(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 CART CCU-136A/A (H											
(WA83)	FY 04	1,096,000	4.45	NICP Mechanicsburg	Dec-03	C/FP	CAPCO, Grand Junction,CO Hanley Industries, Alton, IL	Jun-04	Sep-04	YES	
(WA83)	FY 05	995,520	4.54	NICP Mechanicsburg	Dec-04	C/FP	TBD	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) CCU-145A (HEF	FY 07	818,750	4.03	NICP Mechanicsburg	Dec-06	C/FP	TBD	May-07	Sep-07	YES	
(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	

** DOUBLE ASTERISK DENOTES TITLE IX FUNDS (FY04)

P-1 SHOPPING LIST ITEM NO. 8 PAGE NO. 6 CLASSIFICATION:

	BUDG	SET PROCURE	MENT HISTORY AND PL	ANNING EXI	HIBIT (P-5A)	Weapon System		DATE F	ebruary 200)5
B. APPROPRIATION/BUDGE PROCUREMENT OF AM BA-1 Navy Ammunition		MARINE COR	PS		C. P-1 ITEM NO AIRBOR	DMENCLATURE RNE EXPENDABLE C/M PROGRA	(BLI 018200) M		SUBHEAD	QA
Cost Element/ FISCAL YEAR CHAFF COUNTERMEAS	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
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				-L		1		1	l	L

D. REMARKS

P-1 SHOPPING LIST ITEM NO. 8 PAGE NO. 7 CLASSIFICATION:

OL/10011 10/111011. U140		-																												
FY 2004 BUDGET PRO	DUC.	TION S	SCHED	ULE,	P-21													DATE				Febr	ruary 2	005						
APPROPRIATION/BUDGET A	ACTIV	ITY												Weap	on Sys	tem		P-1 IT	EM NC	MENO	CLATU	RE					(BI	LI 018	200)	
PROCUREMENT OF AMMUN	NOITION	I, NAVY	& MAR	INE CO	RPS/B	A-1 Na	ıvy An	nmuni	ition										A	IRBO	RNE	EXPE	NDAB	LE C/	M PF	₹OGR	RAM (S	/H Y1	QA)	
							Pro	oductio	on Ra	ite								!				Leadtin							•	
		Ma	anufactu	rer's				1				А	LT Pri	or	A	LT Afte	er		Initial			Reorde	r					Ur	nit of	
Item		Nam	e and Lo	ocation		MS	SR	1-8	B- <u>5</u>	MA	١X	1	o Oct	1		Oct 1		N	∕lfg PL	Τ		Mfg PL	Τ		Total	ı	l	Mea	asure	
AAED (ALE-50)	Rayt	theon,	Goleta	, Ca		2	25	14	40	30	00					5			-			17			22				Е	
FOTD/IDECM			TBD			TE	3D	TE	3D	TB	BD.					5						17			22				Е	
MJU-49/B	Allov	y, Ches	ster To	wnshir	ı. PA	1.0	02	5.	76	11.	52					8						6			14				K	
MJU-57		ne Arm				TE	_		3D	TB						7						9			16				K	
10000	Oran	10 7 (1111	y / (() () ()	1011. 710	, , , , , , , , , , , , , , , , , , ,																	0			-10					
											FISCAL	YEAR :	2004								I		FISCAL YI	AR 200	5		<u> </u>			
ITEM / MANUFACTURER	F	s	Q	D	В		2003							CALEND	AR YEAR	2004										AR 2005	-			
	Υ	V	T Y	E	Α	0	N	D	J	F	M	Α	М	J	J	Α	S	0	N	D	J	F	M	A	М	J	J	Α	S	В
		С	Y	L	L	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	L
AAED ALE-50 (RAYTHEON)	03		300		300			_							40	40	40	50	50	50	27	3								0.0
AAED ALE-50 (RAYTHEON)	04		311		311							Α															40	40	40	191.0
AAED ALE-50 (RAYTHEON)	05		400		400																		Α							400.0
MJU-49/B (ALLOY)*	03		47.0		47.0										Α	3.8	3.8	3.8	10.0	12.0		1.6								0.0
MJU-49/B (ALLOY)	04		46.9		46.9								Α							2.0	2.0	12.4	14.0	14.0	2.5					0.0
MJU-49/B (ALLOY)	05		90.0		90.0																				Α		<u> </u>			90.0
MJU-57 (CAAA)	04	<u> </u>	15.0		15.0				Α						5.7	5.7	3.6										<u> </u>			0.0
MJU-57 (TBD)	05		25.0		25.0														Α									3.0	3.0	19.0
MJU-64 (TBD) **	04		56.0		56.0																Α	5.0	5.0	5.0		5.0	5.0	5.0	5.0	16.0
		ı		_							FISCAL	YEAR :										ı	FISCAL YI							_
ITEM / MANUFACTURER	F	S V	Q T	D E	B A	0	2005 N	D		F	М	Α	М	CALEND	AR YEAR	2006 A	S	0	N	D		F	М	CALEN	DAR YE	AR 2007		Α	S	В
	'	Č	Ý	Ĺ	Ĺ	C	0	E	A	E	Α	P	A	U	U	U	E	C	0	E	A	E	A	P	A	U	U	U	E	A
						T	V	С	N	В	R	R	Υ	N	L	G	Р	T	V	С	N	В	R	R	Υ	N	L	G	Р	
AAED ALE-50 (RAYTHEON)	04		311	120	191	40	40	40	40	31								=0												0.0
AAED ALE-50 (RAYTHEON) FOTD/IDECM	05	 	400 340		400 340									۸		50	50	50	50	50	50	50	50			-	-			0.0
FOTD/IDECM FOTD/IDECM	06 07		375		340									Α												Α	_	-		340.0 375.0
MJU-49/B (ALLOY)	05		90.0		90.0		16	16	16	16	10	10	6													_ A	 			0.0
MJU-49/B (ALLOY)	06		106.9		106.9		10	10	10				10.0	16.0	16.0	16.0	16.0	16.0	49							-	-	-		0.0
MJU-49/B (ALLOY)	07		106.6		106.6						0.0	0.0	10.0	10.0	10.0	10.0	10.0	10.0	7.3	Α	16	16	16	16	16	16	10.6			0.0
MJU-55	07		42.0		42.0																				A	10	10.0			42.0
MJU-57 (CAAA)	05		25.0	6.0	19.0	3.0	3.0	3.0	3.0	3.0	3.0	1.0																		0.0
MJU-57 (TBD)	06	1	37.0		37.0								Α			5.7	5.7	5.7	5.7	5.7	5.7	2.8					İ			0.0
MJU-57 (TBD)	07		42.0		42.0																				Α					42.0
MJU-64 (TBD)	04	1	56.0	40.0	16.0	5.0	5.0	5.0	1 0																					0.0

Remarks:

Second MJU-49 production line produced 3,846 rounds in 8/04 and will produce 3,846 during 9/04 & 10/04. In 11/04, the second line will produce 6,000 rounds.

^{*} DENOTES IRAQI FREEDOM FUNDS (IFF) ** DENOTES FY04 TITLE IX FUNDS

FY 2004/2005 BUDGET PROD			HEDU	ILE, P	-21													DATE			Feb	rua	ry 2	005						
APPROPRIATION/BUDGET AC													Wea	apon	Sy:	stem)		ITE											
PROCUREMENT OF AMI	רואטוז	TION	<u>,</u> ΝΑ\	/Y &	MAR	INE	CC	RP	<u>'S</u>													END	ABL	E C	/M PF	ROGI	RAM	(S/H	Y10	λA)
							Pro	duct	ion l	Rate	!				Pro	cure	mer	nt Le	adtii	nes										
			nufact										T P			_T A			Initia			eord						ι	Jnit (of
Item			and L		on		SR		8-5		AX	to	Oc	t 1		Oct	1	M	fg Pl	LT		fg P	LT		Tota	al		M	eası	ıre
AAED (ALE-50)	Rayth	neon,	Goleta	a, Ca			25		40		00					5						17			22				Е	
FOTD/IDECM			TBD				25		40		00					5						17			22				E	
MJU-49/B	Alloy	, Ches		wnsh	ip, PA		.02		76		.52					8						6			14				K	
MJU-57			TBD			TE	BD	TE	BD	TE	3D					7						9			16				K	
				_	_																									
									F	ISCAL	YEA	R 200										FIS	CAL \	YEAR	2009					1
ITEM / MANUFACTURER	F	S	Q	D -	В		2007				1	(CALE	NDAR	YEA	R 200	8	•	1			ı	CA	ALEN	DAR Y	EAR 2	009	1		_
	Υ	V C	T Y	E L	A L	0	N	D	J	F	М	Α	М	J	J	A	S	0	N	D	J	F	M	Α	M	J	J	A	S	B A
					_	C T	0 V	E C	A N	E B	A R	P R	A Y	N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	L
AAED ALE-50 (RAYTHEON)	03		0.0		0.0				-							Ť					Ė			H		1	Ħ		\vdash	0.0
AAED ALE-50 (RAYTHEON)	04		0.0		0.0																									0.0
AAED ALE-50 (RAYTHEON)	05		0.0		0.0																									0.0
FOTD/IDECM	06		340		340			60	60	60	60	60	40																	0.0
FOTD/IDECM	07		375		375								15	60	60	60	60	60	60											0.0
MJU-49/B (ALLOY)	07		0.0		0.0																									0.0
MJU-55	07		42.0		42.0			2	4	4	4	4	4	4	4	4	4	4												0.0
MJU-57 (NSWC Crane)	03		0.0		0.0																									0.0
MJU-57 (NSWC Crane)	04		0.0		0.0																									0.0
MJU-57 (CAAA)	05		0.0		0.0																									0.0
MJU-57 (TBD)	06		0.0		0.0																									0.0
MJU-57 (TBD)	07		42.0		42.0			2	4	4	4	4	4	4	4	4	4	4												0.0
										FISC	CAL Y	EAR	2010									FIS	CAL `	YEAR	2011					
ITEM / MANUFACTURER	F	S	Q	D	В		2009					(CALEI	NDAR	YEA	R 201	0						CA	ALEN	DAR Y	EAR 2	011			
	Υ	V C	T Y	E L	A	0	N	D	J	F	М	Α	М	J	J	Α	s	0	N	D	J	F	М	Α	М	J	J	Α	s	B A
		C	Y	L	L	C	0 V	E	A N	E B	A R	P R	A Y	U N	U	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	Ĺ
AAED ALE-50 (RAYTHEON)	04		0.0		0.0	H	v	U	IN .	٥	Λ.	^	<u> </u>	IN	-	G	r	H	٧	U	IN	0	N	I.	'	IN	┡	3	15	0.0
AAED ALE-50 (RAYTHEON) AAED ALE-50 (RAYTHEON)	05	1	0.0	1	0.0																						1		$\vdash\vdash$	0.0
FOTD/IDECM	06		0.0		0.0	1																		1			1		$\vdash\vdash$	0.0
MJU-49/B (ALLOY)	05		0.0		0.0																						1		\vdash	0.0
MJU-49/B (ALLOY)	06		0.0		0.0																								\vdash	0.0
MJU-57 (TBD)	05		0.0		0.0																								$\vdash \vdash$	0.0
MJU-57 (TBD)	06		0.0		0.0																								\vdash	0.0
11100 07 (100)	- 00		0.0		0.0																									0.0
Remarks:						-	1		-	1	l	-	1			1	1	-	1			l	1	-		1		1		1

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST CLASSIFICATION: UNCLASSIFIED

311/244 ITEM NO. 8 PAGE NO. 9 Exhibit P-21 Production Schedule

BUDGET ITEM	JUSTIFICAT	TION SHEE	Γ				DATE:					
	P-40									Febr	uary 2005	
APPROPRIATION/BUDGET ACTIVITY			P-1 ITEM N	OMENCLAT	URE		•					
PROCUREMENT OF AMMUNITION, NAVY & MARINE	CORPS, BA-1					JATO (JE	T ASSISTI	ED TAKE	OFF) BLI	019400		
Program Element for Code B Items:			Other Relate	ed Program	Elements							
	Prior	ID									To	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST												
(In Millions)	\$37.5	Α	\$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.

P-1 SHOPPING LIST ITEM NO: 9 PAGE NO. 1

CLASSIFICATION:

BUDGET ITEM JUSTIFICA	ATION SHE		EGATED ITEM	IS			DATE:	Eab	ruary 2005	
APPROPRIATION/BUD					P-1 ITEM NO	MENCLATUR	 RF	rebi	Tuary 2005	
			DDC DA 4	Í			KE OFF) BLI 01940	n		
PROCUREMENT OF AMMUN	ID ID	Prior	RPS, BA-1		JATO (JET A	SSISTED TA	TEOFF) BLI019400)	То	
Procurement Items	Code	Years	FY2004	FY 2005	FY 2006	FY 2007			Complete	Total
MK 117 RKT MTR	A	10010	1 12001	1 1 2000	1 1 2000	1 1 2007			Complete	Total
Quantity	, ,	5442	587	433	402	732				
Funding		\$21,055	\$2,168	\$1,631	\$1,546	\$2,869			Cont.	Cont.
MK 125 RATO	Α							+		
Quantity		1725	297	383	418	170				
Funding		\$8,834	\$1,433	\$1,884	\$2,095	\$869			Cont.	Cont.
Other Costs		\$7,659	\$847	\$970	\$925	\$925			Cont.	Cont.
Total P-1 Funding		\$37,548	\$4,448	\$4,485	\$4,566	\$4,663			Cont.	Cont.
<u> </u>										
			_							
									CLASSIEICATION:	

CLASSIFICATION:

		BU	DGET ITEM JUST	TIFICATION	SHEET				DATE:			
			P-4	10						Februa	ry 2005	
APPROPRIATION/I	BUDGET ACTIV	ITY					P-1 ITEM NOI	MENCLATURE				
PROCUREMEN	T OF AMMUN	IITION, NAVY		5"/54 GUN AMMUNITION								
Program Element fo	or Code B Items:		Program Elen	nents								
SUBHEAD NO.	A1AC		BLIN: 0250	00								
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST												
(In Millions)			\$12.7	\$19.7	\$25.9	\$22.5	\$23.2	\$23.8	\$24.4	\$25.1		

ITEM DESCRIPTION/JUSTIFICATION:

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.

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION</u> <u>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.

P-1 SHOPPING LIST
ITEM NO. 10 PAGE NO. 1

CLASSIFICATION:

		BU	DGET ITEM JUST	IFICATION	SHEET				DATE:				
			P-4	10			February 2005						
APPROPRIATION/E	BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE			•		
PROCUREMEN [®]	T OF AMMUN	ITION, NAVY	5"/54 GUN AMMUNITION										
Program Element fo	or Code B Items:						Other Related	l Program Elen	nents				
SUBHEAD NO.	A1AC		BLIN: 0250	00									
	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			

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.

P-1 SHOPPING LIST ITEM NO. 10 PAGE NO. 2

CLASSIFICATION:

	WEAPONS SYSTE		NALYSIS			Weapon Syst	em							DATE:	
	RIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & N	P-5 IARINE CO	RPS/BA 1			ID Code 025000	P-1 ITEM NOI 5"/54 GUN SUBHEAD	AMMUNITIC						Februa	ary 2005
			TOTAL COST	Γ IN THOUSAN	NDS OF DOLL	ARS	100-11-11								
COST	ELEMENT OF COST	ID Code	Prior Years		FY 2004			FY 2005			FY 2006			FY 2007	
0022		0000	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	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			573.96 303.64	5,596 5,466	26,286 20,976	591.99 283.39	15,561 5,944 8	12,090 18,864 5,808	618.41 288.73 915.48	7,477 5,447 5,317
AC893 AC894	PRODUCTION ENGINEERING PRODUCT IMPROVEMENT RENOVATION COMPONENTS GAUGE REQUIREMENTS NON-STANDARD					2,004 3,254 498 353			1,851 3,132 3,080 425 110			1,897 1,000 876 450 187			1,960 1,000 627 475 161
SUBTOTA	LL (PAGE 1 OF P5)					12,672			19,673			25,923			22,472

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 10 PAGE 3

		A. DATE		Weapon System		(P-5A)	PLANNING EXHIBIT	RY AND P	ENT HISTO	BUDGET PROCUREM
	February 20				_					
	SUBHEAD				C. P-1 ITEM NON					3. APPROPRIATION/BUDGET
A1AC	A1				5"/54 GUN A	A 1	& MARINE CORPS/E	N, NAVY 8	MMUNITIO	PROCUREMENT OF A
DECO. DATE	00500	DATE OF		0	BLIN: 02500		1		T T	
ILABLE REVISION	SPECS AVAILABLE NOW	DATE OF FIRST DELIVERY	AWARD DATE	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	RFP ISSUE DATE	LOCATION OF PCO	UNIT COST	QUANTITY	Cost Element/ FISCAL YEAR
										AC100
									NENTS	5"/54 AMMUNITION COMPO
								AL D326	K 67, UNIVERS	5"/54 CHG, PROP, FULL, MI
/ES	YES	Jan-06	Mar-04	MCALESTER AAP	MIPR	Oct-03	JMC ROCK ISLAND	211.81	11037	FY 2004
/ES	YES	Jan-07	Mar-05	UNKNOWN	MIPR	Oct-04	JMC ROCK ISLAND	573.96	9750	FY 2005
NO Jul-05	NO	Jan-08	Mar-06	UNKNOWN	MIPR	Oct-05	JMC ROCK ISLAND	591.99	26286	FY 2006
NO Jul-06	NO	Jan-09	Mar-07	UNKNOWN	MIPR	Oct-06	JMC ROCK ISLAND	618.41	12090	FY 2007
										5"/54 PROJ, BLP/T D349
/ES	YES	Dec-05	Jan-04	CRANE AAA	MIPR	Oct-03	JMC ROCK ISLAND	234.15	18000	FY 2004
/ES	YES	Feb-07	Mar-05	UNKNOWN	MIPR	Oct-04	JMC ROCK ISLAND	303.64	18000	FY 2005
NO Jul-05	NO	Feb-08	Mar-06	UNKNOWN	MIPR	Oct-05	JMC ROCK ISLAND	283.39	20976	FY 2006
NO Jul-06	NO	Feb-09	Mar-07	UNKNOWN	MIPR	Oct-06	JMC ROCK ISLAND	288.73	18864	FY 2007
								MOFN	 FUZE - NAVY	5"/54 PROJ, MULTI OPTION
NO Jul-06	NO	Jan-09	Feb-07	UNKNOWN	CONTRACT	Oct-06	NSWC CRANE	915.48	5808	FY 2007
										D DEMARKS
										J. KEMAKKS
								able GFM.	priced with avail	D. REMARKS NOTE: All items shown are p

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

ITEM NO. 10 PAGE NO. 4

							Des dusties Cale	4.32		ID-t-	
Approp							Production Sche	auie		Date	
Procur	ement Ammunition Navy	& Ma	rine	Cor	ps					February 2005	
Budge	t Activity							P-1 Item	_	Subhead	
1 Navy	/ Ammunition							5"/54 GUN AMMUNITION		A1AC	
			U	s		Oct 1	Fiscal Year 2005	Fiscal Year 2006	_	Fiscal Year 2007	
Cost Code	Item/Mfr	Prg Yr	/	e r	Prog Qty	Acc Bal	al CY 04 Calendar Year 2005	Calendar Year 2006		Calendar Year 2007	Later
		'''	М	v		Prior Due	Je Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep	Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep	Oct Nov Dec Jai	n Feb Mar Apr May Jun Jul Aug Sep	
						FY 05 FY 05					
AC100	D326 - 5"/54 CHG, PROP, FUL	L, MK 6	7, UN	IVER	RSAL						
	MCALESTER AAP	04	K	Ν	11.0	11.0	.0	6.0 5.0			
	UNKNOWN	05	K	Ν	9.8	9.8	8		9.8	8	
	UNKNOWN	06	K	N	26.3	26.3	3.3				26.3
	UNKNOWN	07	K	N	12.1	12.1	.1				12.1
	TOTALS				110.2	59.2	0.2	6.0 5.0	9.8	8	38.4

	Prod	duction Rates		Decebed
Manufacture's Name and Location	Min Sust.	1-8-5	Max	Reached D+
MCALESTER AAP	7500	25000	50000	
UNKNOWN	7500	25000	50000	

Procurem	ent Lead ⁻	Time					
	Admin L	ead Time	Manu-	Total			
	Prior	After	facturing	After			
	1-Oct	1-Oct	time	1-Oct			
Initial	5	5	22	27			
Reorder (Previous Source)	5	5	22	27			
Р	P-1 Item Shopping List Item						
		10		5			

Remarks:			

Appro	priation											Produ	ıction											Date				
Procu	rement Ammunition Navy	/ & M	arine	e Co	rps																				Fe	ebruary :	2005	
Budge	et Activity														P-1 I	tem N	Nomencla	ture							Subh			
	y Ammunition														5"/54	GUN	I AMMUN	ITION							A1AC	;		
			l ,,	s		Oc	t 1			Fiscal Ye	ear 2008						Fiscal Yea	r 2009						Fiscal Y	ear 2010			
Cost Code	Item/Mfr	Prg Yr	U / M	e r	Prog Qty	Acc	Bal	CY 07			Cale	endar Year 2	2008					Ca	lendar Y	ear 2009					Calenda	r Year 2010		Later
0000		"	M	v	۵.,	Prior	Due	Oct Nov Dec	Jan	Feb Ma	ar Apr Ma	lay Jun Ju	ul Aug Se	p Oct N	lov Dec	Jan	Feb Mar	Apr N	Лау Ju	n Jul Au	ıg Sep	Oct Nov [Dec Jan	Feb M	ar Apr	May Jun J	ul Aug S	Sep
		_			•	FY 08	FY 08			<u> </u>																		
AC100	D326 - 5"/54 CHG, PROP, FULI	L, MK 6	37, UN	IIVER	SAL																							
	MCALESTER AAP	04	K	N	11.0	11.0																						
	UNKNOWN	05	K	N	9.8	9.8																						
	UNKNOWN	06	K	N	26.3		26.3		25.0	1.3																		
	UNKNOWN	07	K	N	12.1		12.1									12.1												
	TOTALS				59.2	20.8	38.4		25.0	1.3						12.1												

	Pi	oduction Rate	es	Daaahad
Manufacture's Name and Location	Min Sust.	1-8-5	Max	Reached D+
MCALESTER AAP	7500	25000	50000	
UNKNOWN	7500	25000	50000	

Procureme	nt Lead T	ïme							
	Admin L	ead Time	Manu-	Total					
	Prior	After	facturing	After					
	1-Oct	1-Oct	time	1-Oct					
Initial	5	5	22	27					
Reorder (Previous Source)	rder (Previous Source) 5 5 22								
P	-1 Item Sh	opping Li	st Item I	Page No					

Remarks:		

iation							Production					Date			
	y & Ma	arine	Corp	os										February 2005	
Activity								P-1	Item	Nomenclature				Subhead	
Ammunition								5"/5	4 GU	JN AMMUNITION				A1AC	
					Oct 1		Fiscal Year 2005	_		Fiscal Year 2006		Fis	cal Year 2	2007	1
Item/Mfr		1 / 1	e r	Prog Otv	Acc Bal	CY 04	Calendar Year 2005	•		Calendar Year 2006				Calendar Year 2007	Later
	'	M	v	,	Prior Due	Oct Nov Dec	Jan Feb Mar Apr May Jun Jul Aug Se	Oct Nov De	c J	Jan Feb Mar Apr May Jun Jul Aug Sep	Oct Nov Dec Ja	n Feb	Mar	Apr May Jun Jul Aug Se	p
					FY 05 FY 05										
349 - 5"/54 PROJ, BLP/T															
RANE AAA	04	K	N	18.0	18.0			14.	9 3	3.1					
INKNOWN	05	K	N	18.0	18.0							14.9	3.1		
INKNOWN	06	K	N	21.0	21.0										21.0
INKNOWN	07	K	N	18.9	18.9										18.9
OTALS				75.9	75.9			14.	9 3	3.1		14.9	3.1		39.8
	ment Ammunition Nav Activity Ammunition Item/Mfr 349 - 5*/54 PROJ, BLP/T RANE AAA NKNOWN NKNOWN	Ment Ammunition Navy & Metal	Name	Marine Correction Marine Correction	Marine Corps	Name	Activity Ammunition Navy & Marine Corps	Activity Armunition Navy & Marine Corps Activity Armunition Prg V V Nav Pros P	Part Part	P-1	P-1	Part Part	P-1	P-1	The internation Navy & Marking Nav

		Production Rates		Reached
Manufacture's Name and Location	Min Sust.	1-8-5	Max	D+
CRANE AAA	7432	14860	41620	
UNKNOWN	7432	14860	41620	

Procuremer	nt Lead Tir	ne		
	Admin L	ead Time	Manu-	Total
	Prior	After	facturing	After
	1-Oct	1-Oct	time	1-Oct
Initial	5	5	23	28
Reorder (Previous Source)	5	5	23	28
P	-1 Item Sh	nopping Li	st Item N	Page No
		10		7

	<u> </u>		
Prior	After	facturing	After
1-Oct	1-Oct	time	1-Oct
5	5	23	28
5	5	23	28
Item Sh	opping Li	st Item N	Page No
	10		7

Remarks:

Approp	oriation													Produ	uction														Da	te					
Procur	ement Ammunition Nav	vy & N	1arine	e Co	rps																										Fe	ebrua	ry 2005	5	
	t Activity																	P-1 It	tem No	meno	clatur	е									Subh	ead			
1 Navy	Ammunition																	5"/54	GUN A	MML	UNITI	ION									A1AC	;			
			U	S	Prog	0	ct 1				Fisc	al Year :	2008							Fiscal '	Year 2	2009							Fis	cal Yea	2010				
Cost Code	Item/Mfr	Prg Yr	U / М	e r	Prog Qty	Acc	Bal	CY	′ 07				Calen	ndar Year	2008							С	alendar	Year 200	09						Calenda	r Year 2	010		Later
			М	v	,	Prior	Due	Oct N	ov Dec	Jan	Feb	Mar	Apr May	y Jun J	lul Aug	Sep 0	Oct Nov	Dec	Jan Fe	eb l	Mar	Apr	May J	un Jul	Aug S	Sep Oc	t Nov	Dec	Jan Fel	b Mar	Apr I	May Ju	n Jul Au	ıg Sep	
						FY 08	FY 08																												
AC100	D349 - 5"/54 PROJ, BLP/T																																		
	CRANE AAA	04	K	Ν	18.0	18.0																													
	UNKNOWN	05	K	N	18.0	18.0																													
	UNKNOWN	06	K	N	21.0		21.0				14.9	6.1																							
	UNKNOWN	07	K	N	18.9		18.9												14	.9	4.0														
	TOTALS				75.9	36.0	39.9				14.9	6.1							14	.9	4.0														

	Pr	s	Reached	
Manufacture's Name and Location	Min Sust.	1-8-5	Max	D+
CRANE AAA	7432	14860	41620	
UNKNOWN	7432	14860	41620	

Procure	ment Lead Ti	me							
	Admin Lead Time Manu-								
	Prior	After	facturing	After					
	1-Oct	1-Oct	time	1-Oct					
Initial	5	5	23	28					
Reorder (Previous Source)	5	5	23	28					
	P-1 Item Shop	ping List	Item No	Page No					
		10		8					

Remarks:

Appro	priation												Prod	duction	Sched	lule												Date						_
	rement Ammunition Navy	& Ma	rine	Corp	s																								Fe	ebru	ary 20	005		
Budge	et Activity																P-1	Item No	omencla	ature									Subh					
1 Nav	y Ammunition																5"/5	4 GUN	IUMMA	NITIO	N								A1AC	;				
			U	S	Pro _	Oct	1			Fiscal Y	Year 200	08							Fiscal Ye	ear 200	9						F	iscal Ye	ar 2010					
Cost Code	Item/Mfr	Prg Yr	/ M	e	g Qty	Acc	Bal	CY 07				Calend	dar Yea	ar 2008							Calen	dar Yea	ır 2009						Calenda				Late	r
			IVI	v (Qly	Prior	Due	Oct Nov De	c Jan	Feb N	Mar Ap	or May	Jun	Jul Au	g Sep	Oct N	ov Dec	Jan	Feb Ma	ar Ap	or May	Jun	Jul Aug	Sep	Oct No	ov Dec	Jan	eb Ma	r Apr	May .	Jun Jul	Aug S	ер	
_						FY 08	FY 08																											
AC100	MOFN - 5"/54 PROJ, MULTI OF	TION	FUZE	- NAVY	1																													
	UNKNOWN	06	K	N	0.0																													
	UNKNOWN	07	K	N	5.8		5.8											5.8																
	TOTALS				5.8		5.8											5.8																

	Pro		Reached	
Manufacture's Name and Location	Min Sust.	1-8-5	Max	D+
UNKNOWN				

Procureme	ent Lead T	ime		
	Admin L	ead Time	Manu-	Total
	Prior	After	facturing	After
	1-Oct	1-Oct	time	1-Oct
Initial	4	4	23	27
Reorder (Previous Source)	4	4	23	27
F	-1 Item Sh	nopping Li	st Item N	Page No

Prior	After	facturing	After
1-Oct	1-Oct	time	1-Oct
4	4	23	27
4	4	23	27
Item Shopping List Item N Page No			
10 9			

Remarks:

		DATE:												
P-40								February 2005						
APPROPRIATION/BUDGET ACTIVITY								P-1 ITEM NOMENCLATURE						
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								EXTENDED RANGE MUNITION (ERM)						
Program Element for Code B Items:								Other Related Program Elements						
SUBHEAD NO. A1AK			BLIN: 025300											
	Prior	ID									То			
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total		
QUANTITY														
COST														
(In Millions)	\$28.0		\$2.9	\$0.5	\$0.0	\$0.0	\$0.0	\$0.0	\$69.8	\$124.4				

ITEM DESCRIPTION/JUSTIFICATION:

The Extended Range Munition (ERM) is a key element in providing a near term Naval Surface Fire Support (NSFS) capability. The NSFS mission is to support the U.S. and allied assault landing forces through increased range and accuracy.

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION</u> <u>ENGINEERING</u>: Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of 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.

P-1 SHOPPING LIST
ITEM NO. 11 PAGE NO. 1

CLASSIFICATION:

	DATE:													
P-40								February 2005						
APPROPRIATION/BUDGET ACTIVITY								P-1 ITEM NOMENCLATURE						
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								EXTENDED RANGE MUNITION (ERM)						
Program Element for Code B Items:								Other Related Program Elements						
SUBHEAD NO. A1AK			BLIN: 0253	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				

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 Navy.

P-1 SHOPPING LIST ITEM NO. 11 PAGE NO. 2

CLASSIFICATION:

	WEAPONS SYSTEM (COST A	NALYSIS			Weapon Syste	em							DATE:	
	P-5													Februa	ary 2005
	RIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & MAR	INE CO	RPS/BA 1			025300			:/SUBHEAD UNITION (ER	RM)					
			TOTAL COS	T IN THOUSA	NDS OF DOLL	ARS									
COST CODE	ELEMENT OF COST	ID Code	Prior Years	0	FY 2004			FY 2005			FY 2006	T	0 111	FY 2007	T. 10
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
		DWDC HDUM IBST	1,600 53 2,756	384 10 96	1953.12 5000.00 7906.25	750 50 759									
AK850 AK893 AK894 AK895	PRODUCTION ENGINEERING PRODUCT IMPROVEMENT RENOVATION COMPONENTS GAUGE REQUIREMENTS NON-STANDARD		5,296 18,264			1,344			498						
SUBTOTA	L (PAGE 1 OF P5)		27,969			2,903			498			0			O

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

BUDGET PROCUREM	ENT HISTO	RY AND F	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET					C. P-1 ITEM NO				SUBHEAD	
PROCUREMENT OF A	MMUNITIO	N, NAVY	& MARINE CORPS/	3A 1		RANGE MUNITION (EF	RM)		A1	AK
					BLIN: 02530	0				
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION		FIRST	AVAILABLE	DATE REVISIONS AVAILABLE
AK100										
AMMUNITION COMPONENT CHG, PROPELLING EX-167	DWDC	4050 40		0.100			555.04	400.05	\	
FY 2004	384	1953.12	NSWC INDIAN HEAD	Oct-03	WX	NSWC INDIAN HEAD	FEB-04	APR-05	YES	
HANDLING CYCLE DUMMY FY 2004	ROUND HDUI		NSWC DAHLGREN	Oct-03	CONTRACT	UNKNOWN	FEB-05	OCT-05	YES	
INTERNAL BALLISTICS SIM										
FY 2004	96	7906.25	NSWC DAHLGREN	Oct-03	CONTRACT	UNKNOWN	FEB-05	OCT-05	YES	
D. DEMARKO										

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.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

ITEM NO. 11 PAGE NO. 4

Appro	priation									Product	tion Schedule									Date	Э				
Procu	rement Ammunition Na	avy & Ma	arine C	orps																		Februa	ary 2005		
Budge	et Activity											P	P-1 Item	Nomenclat	ture					•	Sı	ubhead No.			
1 Nav	y Ammunition											E	XTEND	ED RANGI	E MUNITI	ON (ERM)				A1	IAK		_	
			U :	s _	Od	ct 1		Fisca	al Year 2004					Fiscal Yea	ar 2005					Fis	scal Year 200	16			
Cost Code	Item/Mfr	Prg Yr	U / M	S Prog	Acc	Bal	CY 03			Calendar Year 2	004				С	alendar Year	2005				Ca	alendar Year 20	06		Later
			IVI	v	Prior	Due	Oct Nov Dec	Jan Feb	Mar Apr	May Jun	Jul Aug Sep	Oct Nov I	Dec Jan	Feb Ma	r Apr N	May Jun	Jul Aug	Sep Oct	Nov Dec	Jan Feb	Mar A	pr May Ju	un Jul Au	g Sep	
					FY 04	FY 04																			
AK100	DWDC - CHG, PROPELLING	G EX-167																							
	UNKNOWN	04	EA	N 384		384									384										
	TOTALS			384		384									384										

	F	Decelor		
Manufacture's Name and Location	Min Sust.	1-8-5	Max	Reached D+
UNKNOWN	18000	27000	76000	

Procure	ment Lead T	ime		
	Admin L	ead Time	Manu-	Total
	Prior	After	facturing	After
	1-Oct	1-Oct	time	1-Oct
Initial	5	5	22	27
Reorder (Previous Source)	5	5	22	27
	P-1 Item S	Shopping Li	ist Item No	Page No
		5		

emarks	:						
	emarks	emarks:	lemarks:	.emarks:	.emarks:	.emarks:	remarks:

Approp	oriation											Prod	luction Sc	chedule									Date)				
Procur	ement Ammunition N	lavy & Ma	arine	Corps												_										ary 200	5	
Budge	t Activity															P-1 Ite	m Nomen	clature							Subhead No.			
1 Navy	/ Ammunition															EXTE	NDED RAI	NGE MUN	ITION (ER	M)					A1AK			
			U	S P	r O	ct 1			F	Fiscal Year	r 2004						Fisca	l Year 2005					Fisc	al Year	2006			
Cost Code	Item/Mfr	Prg Yr	/ M	e og	Acc	Bal	CY	03			(Calendar Yea	ar 2004						Calendar Y	ear 2005					Calendar Year 2	006		Later
			IVI	v Qi	Prior	Due	Oct No	ov Dec	Jan Fe	eb Mar	Apr I	May Jun	Jul A	Aug Sep	Oct No	v Dec	Jan Feb	Mar Apr	May Jur	n Jul	Aug Sep	Oct Nov Dec	Jan Feb	Mar	Apr May J	lun Jul	Aug Se	р
					FY 04	FY 04																						
AK100	HDUM - HANDLING CYCL	E DUMMY	ROUN	D																								
	UNKNOWN	04	EA	N 1)	10									10													
	TOTALS			1)	10									10													

		3	Reached	
Manufacture's Name and Location	Min Sust.	1-8-5	Max	D+
UNKNOWN				

Procuren	nent Lead T	ïme		
	Admin L	ead Time	Manu-	Total
	Prior	After	facturing	After
	1-Oct	1-Oct	time	1-Oct
Initial	2	2	10	12
Reorder (Previous Source)	2	2	10	12
•	P-1 Item S	st Item No	Page No	
		11		6

Remarks:

Approp	oriation									Product	ion Schedule								Date			
Procur	ement Ammunition N	Navy & Mari	ne Co	orps																Febr	uary 2005	i
Budge	t Activity											P-1	Item Nomencla	ature						Subhead N	0.	
1 Navy	/ Ammunition											EX	TENDED RANG	GE MUNIT	TION (ERM)					A1AK		
			u s			ct 1		Fisca	al Year 2004				Fiscal Y	ear 2005					Fiscal Ye	ar 2006		
Cost Code	Item/Mfr	Prg	, e	Prog	Acc	Bal	CY 03			Calendar Year 20	004	-		(Calendar Year 20	105				Calendar Year	2006	Late
			M v	,	Prior	Due	Oct Nov Dec	Jan Feb	Mar Apr	May Jun	Jul Aug Sep	Oct Nov De	Jan Feb M	/lar Apr	May Jun J	ul Aug Sep	Oct Nov	Dec	Jan Feb Ma	ar Apr May	Jun Jul	Aug Sep
<u> </u>					FY 04	FY 04																
AK100	IBST -INTERNAL BALLIST	TICS SIMULATO	OR TES	T																		
	UNKNOWN	04 E	A N	96		96						96										
	TOTALS			96		96						96										
1																						

	F		Reached	
Manufacture's Name and Location	Min Sust.	1-8-5	Max	D+
UNKNOWN				

Procuren	nent Lead T	ime		
	Admin Lo	ead Time	Manu-	Total
	Prior	After	facturing	After
	1-Oct	1-Oct	time	1-Oct
Initial	2	2	10	12
Reorder (Previous Source)	2	2	10	12
	P-1 Item S	Shopping Li	ist Item No	Page No
		11	•	7

Remarks:	

			BUDGET ITEM JUST	TFICATION	SHEET				DATE:			
			P-4	0						Februa	ry 2005	
APPROPRIATION/BUD	GET ACTIVI	TY					P-1 ITEM NO	MENCLATURE				
PROCUREMENT O	F AMMUN	ITION, N	AVY & MARINE CORP	S/BA 1				7	6MM GUN A	OITINUMMA	N	
Program Element for Co	ode B Items:						Other Related	Program Elen	nents			
SUBHEAD NO. A1/	٩F		BLIN: 0265	00								
	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)			\$1.2	\$1.1								

ITEM DESCRIPTION/JUSTIFICATION:

The 76MM caliber cartridge is a fixed round of ammunition for use in the MK 75 gun mount. Navy's primary use is against air targets, but it may be used against surface and short targets. United States Coast Guard's (USCG) primary use is drug interdiction, homeland defense, and Visit, Board, Search and Seize (VBSS). The weapon system, the MK 75 gun mount and MK 92 fire control system, has been designated for use on guided missile frigates (FFG), and USCG high endurance and medium cutters. Program procures three types of high-explosive projectiles, two pure training rounds and several ancillary rounds (dummy, gage and test).

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION</u> <u>ENGINEERING</u>: Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of 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: Program transferred in FY06 to PANMC BLIN: 0266000 Intermediate Caliber Ammunition

P-1 SHOPPING LIST ITEM NO. 12 PAGE NO. 1

CLASSIFICATION:

		BU	DGET ITEM JUST	TIFICATION	SHEET				DATE:			
			P-4	10						Februa	ry 2005	
APPROPRIATION/I	BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE			•	
PROCUREMEN	T OF AMMUN	ITION, NAVY	& MARINE CORF	PS/BA 1				7	6MM GUN	OITINUMMA	N	
Program Element fo	ram Element for Code B Items: Other Related Program Elements											
SUBHEAD NO.	A1AF		BLIN: 0265	00								
	IO. A1AF Prior ID										То	
			FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST (In Millions)			\$1.2	\$1.1								

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.

<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.

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.

P-1 SHOPPING LIST
ITEM NO. 12 PAGE NO. 2

CLASSIFICATION:

	WEAPONS SYSTEM		NALYSIS			Weapon Syst	em							DATE:	ary 2005
	PRIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & MA		RPS/BA 1			ID Code 026500	P-1 ITEM NO 76MM GUN SUBHEAD	I AMMUNITI						Febru	ary 2003
			TOTAL COS	T IN THOUSA	NDS OF DOLL	ARS									
COST	ELEMENT OF COST	ID Code	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								12						
AF830 AF850 AF893 AF894	PE/QA SMCA PRODUCTION ENGINEERING PRODUCT IMPROVEMENT RENOVATION COMPONENTS GAUGE REQUIREMENTS NON-STANDARD					636 426 56 60			13 640 416 50 30						
SUBTOTA	IL (PAGE 1 OF P5)					1,178	3		1,149			0			

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

		BU	DGET ITEM JUST	TIFICATION	SHEET				DATE:			
			P-4	10						Februa	ry 2005	
APPROPRIATION/B	UDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE				
PROCUREMENT	OF AMMUN	IITION, NAVY	& MARINE CORP	PS/BA 1				INTERMED	IATE CALIE	ER GUN AI	MOUTINUMN	
Program Element for	Code B Items:						Other Related	Program Elen	nents			
SUBHEAD NO. A	1AL		BLIN: 0266	00								
	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		

ITEM DESCRIPTION/JUSTIFICATION:

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.

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION</u> <u>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.

P-1 SHOPPING LIST
ITEM NO. 13 PAGE NO. 1

CLASSIFICATION:

		BU	DGET ITEM JUST	IFICATION	SHEET				DATE:			
			P-4	10						Februa	ry 2005	
APPROPRIATION/E	BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATUR			-	
PROCUREMEN [®]	T OF AMMUN	IITION, NAVY	& MARINE CORP	PS/BA 1				INTERMED	IATE CALIE	BER GUN AI	MOUTINUMN	
Program Element fo	or Code B Items:						Other Related	Program Eler	nents			
SUBHEAD NO.	A1AL		BLIN: 0266	00								
	Prior	ID	5), 222,	5 1/ 2225	5)/ 2222	5)/ 0005	5)/ 2222	51,0000	E) / 00 / 0	5)/ 00//	То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	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.

<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.

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.

P-1 SHOPPING LIST

ITEM NO. 13

PAGE NO. 2

CLASSIFICATION:

	WEAPONS SYSTEM P-5		NALYSIS			Weapon Sys	tem							DATE: Februa	ary 2005
	RIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & MAR		RPS/BA 1			ID Code 026600			SUBHEAD BER GUN AM	MUNITION					, .
			TOTAL COST	T IN THOUSA	NDS OF DOLI	LARS	•								
COST CODE	ELEMENT OF COST	ID Code	Prior Years		FY 2004			FY 2005			FY 2006			FY 2007	
OODL		Oodc	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	INTERMEDIATE CALIBER GUN AMMUNITION MEDIUM CAL TRAINING ROUND PE/QA SMCA	ON COMI	PONENTS							850	516.33	439	1,615	524.70	848
AL893 AL894	PRODUCTION ENGINEERING PRODUCT IMPROVEMENT RENOVATION COMPONENTS GAUGE REQUIREMENTS NON-STANDARD											720 50 43			735 150 50 44
SUBTOTA	L (PAGE 1 OF P5)	1				+ .	0	1	0			1,252			1,82

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM. 13 PAGE NO. 3

UNCLASSIFIED

BUDGET PROCURE	MENT HISTO	RY AND	PLANNING EXHIBI	T (P-5A)		Weapon System		A. DATE		
				` ,					February 20	05
B. APPROPRIATION/BUDGE PROCUREMENT OF		N, NAVY	& MARINE CORPS	/BA 1	C. P-1 ITEM NO INTERMEDI BLIN: 02660	ATE CALIBER GUN A	MMUNITIO		SUBHEAD	AL
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 MEDIUM CAL TRAINING F	_	TION COMPO	I ONENTS I							
FY 2006 FY 2007	850 1615		JMC ROCK ISLAND JMC ROCK ISLAND	Oct-05 Oct-06	MIPR MIPR	UNKNOWN UNKNOWN	Apr-06 Apr-07	Oct-07 Oct-08	NO NO	Jul-05 Jul-06
D. REMARKS										
NOTE: All items shown are	e priced with ava	ailable GFM.								
	- F									

DD Form 2446-1, JUL 87 P-1 Shopping List Classification:

ITEM NO. 13 PAGE NO. 4

Approp	oriation								Pro	duction Sched	ule				Date		
	ement Ammunition Navy	& Ma	rine (Corps												February 20	05
Budge	t Activity										P-1 l	tem			8	Subhead	
1 Navy	Ammunition										INTE	RMEDIATE CALIBER GUN	AMMUNITION	1	A	A1AL	
			IJ	S		Oct 1		Fiscal `	Year 2008			Fiscal Year 2009			Fiscal Year 2	010	
Cost Code	Item/Mfr	Prg Yr	U / M	e Pr	og tv Acc	Bal	CY 07		Calendar Ye	ar 2008		Calendar Yea	ar 2009		С	alendar Year 2010	Later
			М	v	Prior	Due	Oct Nov	Dec Jan Feb I	Mar Apr May Jun	Jul Aug Sep	Oct Nov Dec	Jan Feb Mar Apr May Jun	Jul Aug Sep	Oct Nov Dec	Jan Feb Mar	Apr May Jun Jul	Aug Sep
					FY 08	FY 08											•
AL100	MDTP - MEDIUM CAL TRAINING	ROUN	ID														
	UNKNOWN	06	K	N 0	.9	0.9	.9										
	UNKNOWN	07	K	N 1	.6	1.6					1.6						
	TOTALS			2	.5	2.5	.9				1.6						
			_				·										
						Pro	duction Ra	ites	Reached		Procur	ement Lead Time		Remarks:			\neg
M	lanufacture's Name and L	.ocati	on		Mi		1-8-5	Max	D+			Admin Lead Time Ma	nu- Total				
					Su	st.	1-0-3	IVIAX				Prior After factu	ıring After				
UNKI	NOWN]		1-Oct 1-Oct tin	1				
										Initial		 	18 24				
										+ I	Previous Sour		18 24				
												P-1 Item Shopping List Ite					
				一十								13	5				
										1							

		BU	DGET ITEM JUST	TIFICATION	SHEET				DATE:			
			P-4	10						Februa	ry 2005	
APPROPRIATION/	BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE				
PROCUREMEN	IT OF AMMUN	IITION, NAVY	& MARINE CORF	PS/BA 1				OTH	ER SHIP GL	JN AMMUNI	TION	
Program Element f	or Code B Items:						Other Related	Program Elen	nents			
SUBHEAD NO.	A1AG		BLIN: 0270	00								
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
YTITNAUÇ												I
COST												
(In Millions)			\$19.2	\$19.1	\$40.1	\$32.5	\$34.4	\$35.5	\$36.4	\$37.5		i

ITEM DESCRIPTION/JUSTIFICATION:

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.

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION</u> <u>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.

P-1 SHOPPING LIST ITEM NO. 14 PAGE NO. 1

CLASSIFICATION:

		BU	DGET ITEM JUST	TIFICATION	SHEET				DATE:			
			P-4	10						Februa	ry 2005	
APPROPRIATION/I	BUDGET ACTIVI	ITY					P-1 ITEM NO	MENCLATURE			-	
PROCUREMEN	T OF AMMUN	IITION, NAVY	& MARINE CORF	S/BA 1				ОТН	ER SHIP GL	IN AMMUNI	TION	
Program Element fo	or Code B Items:						Other Related	Program Elen	nents			
SUBHEAD NO.	A1AG		BLIN: 0270	00								
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY												ı
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.

<u>RENOVATION</u> <u>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.

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.

P-1 SHOPPING LIST
ITEM NO. 14 PAGE NO. 2

CLASSIFICATION:

	WEAPONS SYSTE	M COST A	NALYSIS			Weapon Syste	em							DATE: Februa	ary 2005
-	RIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & N	IARINE CO	RPS/BA 1			027000	P-1 ITEM NON OTHER SH SUBHEAD	IP GUN AM							
			TOTAL COST	TIN THOUSA	NDS OF DOLL										
COST	ELEMENT OF COST	ID Code	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 CTG, 25MM, TP-T, M793 CTG 25MM MK210 CTG, 25MM, SAPHEI-T	A976 A981 A991		209,110	11.26	2,355	149,059	29.11	4,339	198,000 99,990 99,990	17.88 23.42 29.58	3,540 2,342 2,958	235,015 99,990 99,990	18.21 23.80 30.06	2,380
	30MM CARTRIDGES CART., 30MM APFSDS-T LKD CART., 30MM TP/TP-T LKD CART., 30MM HEI-T/MP LKD	AA71 AA65 AA89		2,000	102.00	202	1,387	136.22	189	7,200 14,250	250.00 100.00	1,800 1,425	14,250	100.00	1,425
	40MM GRENADE CARTRIDGES CTG., 40MM, PRAC., M79 F/M203 CTG 40MM,M430 F/MK19 CTG, 40MM, FIXED, PRAC., F/MK CTG, 40MM, BLANK, SAL (350&20 CTG, 40MM, 300 METER	B519 B542 B576 B650 WM30		43,700 207,008	5.05 22.05	221 4,565	50,000 150,880 148,416 7,992	4.42 36.46 16.03 38.98	221 5,501 2,379 312	45,000 150,016 8,010 50,000	4.37 22.07 89.81 22.46	197 3,311 719 1,123	40,000 150,016 8,010 50,000	4.45 22.45 89.33 22.82	3,368 715
AG200	LCS MINOR CALIBER MINOR CAL SERVICE ROUND MINOR CAL TRAINING ROUND	MISV MITP								2,350 3,000	100.00 22.88	235 69	2,620 3,000	100.00 23.25	
AG200	20MM CARTRIDGES CART., 20MM ELC	AA61		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 PE/QA SMCA-AG200					524			504			229			272
SUBTOTA	L (PAGE 1 OF P5)					14,508			18,328			38,883			31,278

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 14 PAGE NO. 3

	WEAPONS SYSTEM P-5	COST A	NALYSIS			Weapon Syste	em							DATE:	ary 2005
	PRIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & MAR		RPS/BA 1			027000		MENCLATURE IIP GUN AM NO. A1AG						rebiu	ary 2005
			TOTAL COST	IN THOUSA	NDS OF DOLL	ARS									
COST CODE	ELEMENT OF COST	ID Code	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
AG830 AG850	CONTINUED PRODUCTION ENGINEERING PRODUCT IMPROVEMENT					923 410			741 57			900 340			945 212
AG893	RENOVATION COMPONENTS GAUGE REQUIREMENTS NON-STANDARD PROPELLANT CONTINUOUS					19						21			24
	REALIGNMENT OF DDG AT/FP FUNDS					2,000									
	SUBTOTAL (PAGE 2 OF P5)					4719			798			1261			1181
TOTAL						19,227			19,126			40,144			32,

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM. 14 PAGE NO. 4

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREM	ENT HISTO	RY AND I	PLANNING EXHIBIT	Γ (P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NO	MENCLATURE			SUBHEAD	
PROCUREMENT OF A	MMUNITIO	N, NAVY	& MARINE CORPS	/BA 1	OTHER SHII	P GUN AMMUNITION			A1	AG
		•			BLIN: 02700	0				
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 A93	1 76									
FY 2004	209110	11 26	JMC ROCK ISLAND	Oct-03	MIPR	GENERAL DYNAMICS ORD	Jan-04	Mar-05	YES	
FY 2006	198000		JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Apr-06	Jun-07	NO	Jul-05
FY 2007	235015		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		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		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 LK	D AA71									
FY 2006	7200	250.00	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Oct-07	NO	Jul-05
D REMARKS								<u> </u>		

D. REMARKS

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST

ITEM NO.

PAGE NO. 5

Classification:

BUDGET PROCURE	MENT HISTO	RY AND F	LANNING EXHIBIT	Г (P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGE	ET ACTIVITY				C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
PROCUREMENT OF	AMMUNITIO	N, NAVY	& MARINE CORPS/	'BA 1	OTHER SHII	P GUN AMMUNITION			A1	AG
		•			BLIN: 02700					
					CONTRACT		1	DATE OF	SPECS	DATE
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	FIRST DELIVERY	AVAILABLE NOW	REVISIONS AVAILABLE
AG100 CONTINUED	\top									
30MM CARTRIDGES										
CART., 30MM HEI-T/MP L	KD AA89									
FY 2004	2000	102.00	NSWC CRANE	Oct-03	CONTRACT	UNKNOWN	Apr-05	Oct-06	YES	
FY 2005	1387		NSWC CRANE	Oct-04	CONTRACT	UNKNOWN	Apr-05	Oct-06	YES	
FY 2006	14250		NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Oct-07	NO	Jul-05
FY 2007	14250		NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Oct-08	NO	Jul-06
40MM GRENADE CARTRI										
CTG., 40MM, PRAC., M79		ŀ								
FY 2004	43700		JMC ROCK ISLAND	Oct-03	MIPR	MAST TECHNOLOGY INC.	Jun-04	Jul-05	YES	
FY 2005	50000		JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Mar-05	Apr-06	YES	
FY 2006	45000		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		JMC ROCK ISLAND	Oct-03	MIPR	UNKNOWN	Mar 05	Jul-06	YES	
FY 2005	150880		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	C., F/MK19 B576									
FY 2005	148416	16.03	JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Mar 05	Dec-06	YES	
D. REMARKS										<u> </u>

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST ITEM NO. 14 PAGE NO. 6

Classification:

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREM	MENT HISTO	RY AND I	PLANNING EXHIBIT	Γ (P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NO	MENCLATURE			SUBHEAD	
PROCUREMENT OF A	AMMUNITIO	N, NAVY	& MARINE CORPS/	BA 1	OTHER SHII	P GUN AMMUNITION			A1	AG
					BLIN: 02700	0				
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 CARTRIC	 GES									
CTG, 40MM, BLANK, SAL (350&200 GRAN	/IS) B650								
FY 2005	7992		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 W	/M30									
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 ROL	JND 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 RO	UND 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										

D. REMARKS

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST

ITEM NO.

PAGE NO. 7

Classification:

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

D. REMARKS

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST

14

ITEM NO.

PAGE NO. 8

Classification:

			BUDGET ITEM JUST	TFICATION	SHEET				DATE:			
			P-4	0						Februa	ry 2005	
APPROPRIATION/BUI	DGET ACTIVI	TY					P-1 ITEM NO	MENCLATURE				
PROCUREMENT C	F AMMUN	ITION, NA	VY & MARINE CORP	S/BA 1			SM	IALL ARMS	AND LAND	ING PARTY	AMMUNITIO	ON
Program Element for C	ode B Items:						Other Related	Program Elen	nents			
SUBHEAD NO. A1	AH		BLIN: 0335	00								
	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		

ITEM DESCRIPTION/JUSTIFICATION:

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.

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION</u> <u>ENGINEERING</u>: Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of 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.

P-1 SHOPPING LIST
ITEM NO. 15 PAGE NO. 1

CLASSIFICATION:

		BU	DGET ITEM JUST	TIFICATION	SHEET				DATE:			
			P-4	10						Februa	ry 2005	
APPROPRIATION/I	BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE			-	
PROCUREMEN	T OF AMMUN	ITION, NAVY	& MARINE CORF	PS/BA 1			SN	MALL ARMS	AND LAND	ING PARTY	AMMUNITIO	NC
Program Element fo	or Code B Items:						Other Related	Program Elen	nents			
SUBHEAD NO.	A1AH		BLIN: 0335	00								
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST												
(In Millions)			\$17.8	\$23.1	\$35.6	\$9.3	\$10.1	\$10.3	\$10.6	\$11.1		

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.

<u>RENOVATION</u> <u>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.

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.

P-1 SHOPPING LIST
ITEM NO. 15 PAGE NO. 2

CLASSIFICATION:

	WEAPONS SYSTE	M COST A	NALYSIS			Weapon Syste	em							DATE:	
		P-5												Febru	ary 2005
	RIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & M	IARINE COI	RPS/BA 1			ID Code 033500	P-1 ITEM NOM SMALL AR SUBHEAD	MS AND LA	/SUBHEAD I NDING PAR	TY AMMUN	ITION				
			TOTAL COST	IN THOUSAN	NDS OF DOLL	ARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 2004			FY 2005			FY 2006			FY 2007	
CODE		Code	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 CTG.12 GA NO.9	A011 A017		2,021,760	0.34	687	1,000,000	0.35	350	1,000,000 70,000	0.36 0.19	360 14	1,699,840	0.36	612
	CTG, 12 GA WARNING MUNITION, CTG, 12 GA WARNING MUNITION,	WM10 WM20								70,700 70,700	7.75 7.75	548 548	25,200 25,200	7.87 7.87	
	5.56MM CARTRIDGES CTG,5.56MM M855 CTG, 5.56MM, BLANK	A059 A080		2,378,880 962,160	0.21 0.10					8,500,800 2,359,800	0.25 0.12	2,125 283	1,002,960 980,400	0.25 0.12	
	7.62MM CARTRIDGES			302,100	0.10	101				, ,			300,400	0.12	110
	CTG,7.62MM BLNK CTG, 7.62MM, LKD, BALL AND TR CTG, 7.62MM, BALL, M80, LKD CTG, 7.62MM, LKD	A111 A131 A143 A165		3,424,000 3,039,000	0.46 0.44	,		0.54	1,177	500,000 10,050,400	0.40 0.52	200 5,226	1,864,000 250,000 387,000	0.53 0.54 0.52	135
	9MM CARTRIDGES CTG, 9MM, BALL CTG, 9MM, FRANGIBLE	A363 AA16								500,000 1,000,000	0.12 0.18	60 180	13,434,000 1,000,000	0.12 0.18	
	.50 CAL CARTRIDGES CTG, .50 CAL, LKD, BALL CTG, .50 CAL, LKD & TRACER CTG50 CAL, MK 211, APIT, M	A555 A557 AA06		250,000 969,600 1,665,600	1.69 1.76 6.01	1,709	1,127,400 2,813,463	1.97 6.30	2,221 17,725	4,000,000 2,565,000	2.03 6.37	8,120 16,339	204,000 403,000	2.11 6.48	431 2,612
AH350	MATCH AMMO	AAOO		1,005,000	0.01	10,003	2,613,403	0.30	17,725	2,303,000	0.37	10,339	403,000	0.40	2,012
	CTG, .22 CAL, BALL, LR, MATCH CTG., 5.56MM Match	A097 AA53					200,000 425,000	0.18 0.53	36 225	400,000	0.54	216	316,000 400,000	0.19 0.55	
	PE/QA SMCA					104			57			205			220
SUBTOTAL	L (PAGE 1 OF P5)					16,453			21,791			34,424			8,03

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

	WEAPONS SYST	EM COST A P-5	NALYSIS			Weapon Syst	em							DATE:	ary 2005
	RIATION/BUDGET ACTIVITY REMENT OF AMMUNITION, NAVY & I		RPS/BA 1			ID Code 033500			SUBHEAD ANDING PAR	TY AMMUN	ITION			rebru	ary 2005
			TOTAL COST	Γ IN THOUSA	NDS OF DOLI	LARS		-							
COST CODE	ELEMENT OF COST	ID Code	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
	CONTINUED														
AH830 AH850 AH893	PRODUCTION ENGINEERING PRODUCT IMPROVEMENT RENOVATION COMPONENTS					618			750			800			820
	GAUGE REQUIREMENTS NON-STANDARD MATCH AMMO					530 154			400 204			180 235			150 245
TOTAL	SUBTOTAL (PAGE 2 OF P5)					1302 17,755			1354 23,145			1215 35,639			1215 9,251

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 15 PAGE NO. 4

UNCLASSIFIED

BUDGET PROCUREM	ENT HISTO	ORY AND	PLANNING EXHIBI	Г (Р-5А)		Weapon System		A. DATE	February 20	05
B. APPROPRIATION/BUDGET PROCUREMENT OF A		ON, NAVY	& MARINE CORPS	/BA 1	C. P-1 ITEM NON SMALL ARM BLIN: 03350	IS AND LANDING PART	Y AMMU	•	SUBHEAD	AH
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 FY 2005	2021760 1000000		JMC ROCK ISLAND JMC ROCK ISLAND	Oct-03 Oct-04	MIPR MIPR	OLIN CORP UNKNOWN	Mar-04 Mar-05	Nov-04 Sep-05	YES YES	
FY 2006 FY 2007	1000000 1000000 1699840	0.36	JMC ROCK ISLAND JMC ROCK ISLAND	Oct-04 Oct-05 Oct-06	MIPR MIPR	UNKNOWN UNKNOWN	Feb-06 Feb-07	Aug-06 Aug-07	NO NO	Jul-05 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 MUN	I NITION, 100 N	I METER WM1	0							
FY 2006 FY 2007	70700 25200	-	NSWC CRANE NSWC CRANE	Oct-05 Oct-06	CONTRACT CONTRACT	UNKNOWN UNKNOWN	Feb-06 Feb-07	Nov-06 Nov-07	NO NO	Jul-05 Jul-06
CTG, 12 GA WARNING MUN	I NITION, 200 N	I METER WM2	0							
FY 2006 FY 2007	70700 25200		NSWC CRANE NSWC CRANE	Oct-05 Oct-06	CONTRACT CONTRACT	UNKNOWN UNKNOWN	Feb-06 Feb-07	Nov-06 Nov-07	NO NO	Jul-05 Jul-06
5.56MM CARTRIDGES CTG,5.56MM M855 A059										
FY 2004 FY 2006 FY 2007	2378880 8500800 1002960	0.25	JMC ROCK ISLAND JMC ROCK ISLAND JMC ROCK ISLAND	Oct-03 Oct-05 Oct-06	MIPR MIPR MIPR	ALLIANT TECHSYSTEMS UNKNOWN UNKNOWN	Mar-04 Feb-06 Feb-07	Jun-05 Nov-06 Nov-07	YES NO NO	Jul-05 Jul-06
D REMARKS										

D. REMARKS

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

UNCLASSIFIED

BUDGET PROCUREME	ENT HISTO	RY AND F	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET A PROCUREMENT OF A		ON, NAVY	& MARINE CORPS/I	BA 1	C. P-1 ITEM NO SMALL ARI BLIN: 03350	WS AND LANDING PART	Y AMMU		SUBHEAD A1	АН
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		JMC ROCK ISLAND	Oct-03	MIPR	ALLIANT TECHSYSTEMS	Mar-04	Feb-05	YES	
FY 2006	2359800		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 AN FY 2004	ND TRACER A 3424000	_	JMC ROCK ISLAND	0 - 02	MIPR	ALLIANT TECHSYSTEMS	lum O4	Con OF	VEC	
FY 2004 FY 2005	3424000 2178400		JMC ROCK ISLAND JMC ROCK ISLAND	Oct-03 Oct-04	MIPR	UNKNOWN	Jun-04 Mar-05	Sep-05 Dec-05	YES YES	
FY 2006	10050400		JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Feb-06	Nov-06	NO NO	Jul-05
FY 2007	1864000		JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Feb-00	Nov-07	NO NO	Jul-05 Jul-06
1 1 200.		0.11	01110 110 011 102 1112	20.00		0144.01		1.0. 0.		5 5.0
CTG, 7.62MM, BALL, M80, LF	KD A143								'	
FY 2007	250000	0.54	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Feb-07	Nov-07	NO	Jul-06
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D. REMARKS	LI									

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREN	MENT HISTO	RY AND I	PLANNING EXHIBIT	Г (P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NO	MENCLATURE			SUBHEAD	
PROCUREMENT OF A	AMMUNITIO	N, NAVY	& MARINE CORPS/	BA 1	SMALL ARM	IS AND LANDING PART	Y AMMU	NITION	A1	AH
					BLIN: 03350	0				
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		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 AA	\ \16									
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 A	\555									
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.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

UNCLASSIFIED

BUDGET PROCUREM	ENT HISTO	ORY AND	PLANNING EXHIBI	T (P-5A)		Weapon System		A. DATE February 2005			
B. APPROPRIATION/BUDGET PROCUREMENT OF A		ON, NAVY	& MARINE CORPS	/BA 1	C. P-1 ITEM NOT SMALL ARM BLIN: 03350	IS AND LANDING PART	•	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 & TRAC		4 =0		0.100	14100				V50		
FY 2004	969600		JMC ROCK ISLAND	Oct-03	MIPR	MULTIPLE CONTRACTORS	Mar-04	Sep-04	YES		
FY 2005 FY 2006	1127400 4000000		JMC ROCK ISLAND JMC ROCK ISLAND	Oct-04 Oct-05	MIPR MIPR	UNKNOWN UNKNOWN	Mar-05 Feb-06	Dec-05 Nov-06	YES NO	Jul-05	
FY 2007	204000		JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Feb-06 Feb-07	Nov-06 Nov-07	NO NO	Jul-05	
CTG, .50 CAL, MK 211, APIT	, M20 4 & 1 L	₋K AA06									
FY 2004	1665600		JMC ROCK ISLAND	Oct-03	MIPR	ALLIANT TECHSYSTEMS	May-04	Dec-05	YES		
FY 2005	2813463		NSWC CRANE	Oct-04	CONTRACT	UNKNOWN	Jul-05	Jun-06	YES		
FY 2006	2565000		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, MA		i l	NOWO ODANE	0.104	CONTRACT	LINUATOWAL	4 05		\/F0		
FY 2005 FY 2007	200000 316000		NSWC CRANE NSWC CRANE	Oct-04 Oct-06	CONTRACT	UNKNOWN UNKNOWN	Apr-05 Apr-07	Apr-06	YES NO	Jul-06	
F1 2007	316000	0.19	NOWC CRAINE	Oct-06	CONTRACT	UNKNOWN	Арт-от	Apr-08	NO	Jui-06	
D. REMARKS											
NOTE: All items shown are p	oriced with ava	ailable GFM.									

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

CLASSIFICATION:

UNCLASSIFIED

FNT HISTO	DRY AND	DI ANNING EXHIRI	T (P-5Δ)		Weapon System		A DATE		
	INI AND	LAMMING LAMBI	i (i -5A)		VVCapon Gystem			February 20	05
ACTIVITY				C P-1 ITEM NON	MENCI ATURE			1	
	N NAVV	& MADINE CODDS	/R			TV A M/M// I	NITION		ΛЫ
	/IN, IN//IN I	G WANTE CON S	IDA I			II AIVIIVIO	MILION	^'	All
					T		DATE OF	SPECS	DATE
QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	FIRST DELIVERY	AVAILABLE NOW	REVISIONS AVAILABLE
425000			Oct-04	CONTRACT	UNKNOWN	Apr-05	Apr-06	YES	Jul-05
400000			Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
	ACTIVITY MMUNITIC QUANTITY 425000 400000	ACTIVITY MMUNITION, NAVY QUANTITY UNIT COST 425000 425000 400000 0.53	ACTIVITY MMUNITION, NAVY & MARINE CORPS QUANTITY UNIT COST LOCATION OF PCO 425000 0.53 NSWC CRANE 400000 0.54 NSWC CRANE	MMUNITION, NAVY & MARINE CORPS/BA 1 QUANTITY UNIT COST LOCATION OF PCO RFP ISSUE DATE 425000 0.53 NSWC CRANE Oct-04 400000 0.54 NSWC CRANE Oct-05	ACTIVITY MMUNITION, NAVY & MARINE CORPS/BA 1 QUANTITY UNIT COST LOCATION OF PCO REP ISSUE METHOD & TYPE 425000 425000 0.53 NSWC CRANE 400000 0.54 NSWC CRANE Oct-04 CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT	ACTIVITY MMUNITION, NAVY & MARINE CORPS/BA 1 QUANTITY UNIT COST COST CONTRACT METHOD AND LOCATION DATE CONTRACT METHOD AND LOCATION AND LOCATION AND LOCATION CONTRACT METHOD AND LOCATION AND LOCATION AND LOCATION CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT UNKNOWN UNKNOWN	ACTIVITY MMUNITION, NAVY & MARINE CORPS/BA 1 QUANTITY UNIT COST LOCATION OF PCO REP ISSUE DATE C. P-1 ITEM NOMENCLATURE SMALL ARMS AND LANDING PARTY AMMU BLIN: 033500 CONTRACT METHOD & TYPE AND LOCATION DATE CONTRACT METHOD AND LOCATION DATE 425000 AND LOCATION AWARD DATE 425000 AND LOCATION AWARD DATE APR-05 CONTRACT CONTRACT UNKNOWN Apr-05 Apr-06	ACTIVITY MMUNITION, NAVY & MARINE CORPS/BA 1 C. P-1 ITEM NOMENCLATURE SMALL ARMS AND LANDING PARTY AMMUNITION BLIN: 033500 CONTRACT METHOD AND LOCATION DATE OF PCO OF PCO OF PCO OC1-04 CONTRACT VINKNOWN Apr-05 Apr-06 Apr-07	ACTIVITY MMUNITION, NAVY & MARINE CORPS/BA 1 QUANTITY QUANTITY UNIT COST LOCATION OF PCO REP ISSUE DATE CONTRACT METHOD & TYPE AND LOCATION AND LOCATION AND LOCATION AND LOCATION AND LOCATION AND LOCATION AND LOCATION AND LOCATION AND LOCATION AND LOCATION AND LOCATION AND LOCATION AND LOCATION AND LOCATION AND LOCATION AND LOCATION AND LOCATION APT-05 APT-06 APT-06 APT-07 NO

D. REMARKS

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

ITEM NO. 15 PAGE NO. 9

		BU	DGET ITEM JUST	TIFICATION	SHEET		DATE:						
			P-4	10			February 2005						
APPROPRIATION/I	BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE			-		
PROCUREMEN	T OF AMMUN	ITION, NAVY	& MARINE CORP	PS/BA 1				PYROTECH	NICS AND D	EMOLITIO	N MATERIAL	_	
Program Element fo	or Code B Items:						Other Related	Program Eler	nents				
SUBHEAD NO.	A1AJ		BLIN: 0340	00									
	Prior	ID									То		
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total	
QUANTITY													
COST													
(In Millions)			\$10.1	\$10.1	\$13.9	\$10.4	\$10.9	\$11.2	\$11.5	\$11.9			

ITEM DESCRIPTION/JUSTIFICATION:

DD Form 2454, JUN 86

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.

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION</u> <u>ENGINEERING:</u> Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of 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.

P-1 SHOPPING LIST CLASSIFICATION:

		BU	DGET ITEM JUST	IFICATION	SHEET				DATE:			,	
			P-4	10			February 2005						
APPROPRIATION/I	BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE			-		
PROCUREMEN'	T OF AMMUN	IITION, NAVY	& MARINE CORP	PS/BA 1				PYROTECH	NICS AND D	EMOLITIO	N MATERIAL	-	
Program Element fo	or Code B Items:						Other Related	Program Eler	nents				
SUBHEAD NO.	A1AJ		BLIN: 0340	00									
	Prior	ID									То		
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	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.

<u>RENOVATION</u> <u>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.

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.

P-1 SHOPPING LIST

CLASSIFICATION:

	WEAPONS SYSTEM		NALYSIS			Weapon Syst	em							DATE:	
	RIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & MA		RPS/BA 1			ID Code 034000	P-1 ITEM NON PYROTECH SUBHEAD	INICS AND	/SUBHEAD DEMOLITIOI	N MATERIA	L			Februa	ary 2005
			TOTAL COST	IN THOUSAN	IDS OF DOLL	ARS									
COST CODE	ELEMENT OF COST	Code 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
	SIGNALS SIGNAL, ILLUM, MARINE, RED, C SIGNAL, ILLUM, MARINE, YELLOW SIGNAL, ILLUM, MARINE, RED ST SIG, SMK ILLUM, MAR, MK124/13 SIG, SMK ILLUM, MAR, MK 117,	L191 L192 L193 L283 LA26		34,840 141	48.78 1588.06		10,008 900	55.55 1262.14	556 1,136	40,480 760	62.87 1282.46	2,545 975	4,992 4,992 6,456	93.75 94.01 95.33	469
	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 CHARGE, LIDD, MK171 CHG, DML, BLK, COMP C-4, 1.25 CHG, DML, BLK, M118, PETN, 2L CHG, ASSY, DML, M183/37	DWDF DWDN M023 M024 M757		2,196	61.24	135	1,169 2,500	127.87 58.58	150 146	19,500 1,500	15.66 437.86	305 657	2,496 2,900 3,340	64.17 121.53 56.58	353

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 16 PAGE NO. 3

	WEAPONS SYSTEM P-		NALYSIS			Weapon System								DATE: February 2005		
	RIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & MA	ARINE CO	RPS/BA 1			ID Code P-1 ITEM NOMENCLATURE/SUBHEAD 034000 PYROTECHNICS AND DEMOLITION MATERIAL SUBHEAD NO. A1AJ										
			TOTAL COST	AL COST IN THOUSANDS OF DOLLARS												
COST	ELEMENT OF COST	ID Code	Prior Years		FY 2004		FY 2005				FY 2006			FY 2007		
0052			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 DETONATOR, DEL, 175MS, MK156 DETONATOR, DEL, 200MS, MK157 DETONATOR, DEL, 17MS, MK 158 DETONATOR, DEL, 42MS, MK 159 DETONATOR, DEL, 25MS, MK 160	AFSK DWEJ DWEK DWEL DWEM DWEN					1,500	151.00	227	5,050 5,050 5,050	13.39 13.39 13.39	68 68 68		155.90 10.29 10.29	390 103 103	
	FIRING DEVICE, ACOUSTIC, MK 5 REMOTE FIRING DEVICE, MK 64 M	DWES DWFD		1,074	1452.70	1,560				14,000	63.81	893	1,146	1547.45	1,773	
	BREECH PLUG ASSEMBLY, TITANIU CAP, BLASTING, ELECTRIC, MK 1 CAP, BLASTING, ELEC, INERT CAP, BLASTING, NON-ELEC, M7 CORD, DETONATING, PRIMACORD, FUZE, BLASTING, TIME SQUIB, ELECTRIC, MK 20 FIRING DEVICE, DML MULTIPURPO RADIO FIRING DEVICE (RFD) MK DET, NON-EL, 50' DUAL, MK 153 FIRING DEVICE. MK 62	DWFL DWFP M098 M131 M456 M670 MG61 ML03 ML06 MN51 MN81		41,444 35,920 704,000 200,000	59.38 9.60 0.32 0.22	345 227	1,530 440,000 9,000 50 138 2,380	0.31 84.91 18390.00 54.88 852.11	171 138 764 920 8 2,028	4,000 35,000 1,000,000 400,000 9,110 15,008	7.86 10.39 0.43 0.23 86.28 32.61 18686.08	31 364 430 92 786 489 822	26,900	69.90	1,880	
	CONNECTOR, DET CORD, PLASTIC	MW49					2,500	552.11	2,320				30,000	0.48	15	
TOTAL	SUBTOTAL (PAGE 2 OF P5)					4637 6,697			4256 6,244			4111 8,627			4264 6,55	

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:
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	WEAPONS SYSTE	M COST A	NALYSIS			Weapon System								DATE: February 2005		
	RIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & N		RPS/BA 1			ID Code P-1 ITEM NOMENCLATURE/SUBHEAD 034000 PYROTECHNICS AND DEMOLITION MATERIAL SUBHEAD NO. A1AJ								,	•	
			TOTAL COST	OTAL COST IN THOUSANDS OF DOLLARS												
COST CODE	ELEMENT OF COST	ID Code	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															
	CUTTERS & CARTRIDGES BOLT, EXPL, MK5/0 CTG, IMPULSE, MK 148 CTG, 50 CAL BLANK, ELEC, MK20	M254 M663 SS01					72	4532.15	326	100 22,000	971.41 67.74	97 1,490				
	SHOCK TEST CHARGES CHARGE, SHOCK TEST, 60 LB	XW65		314	1432.71	450	525	1501.55	788	550	1601.01	881	550	1628.95	896	
	PE/QA SMCA					16			100			161			173	
AJ893 AJ894	PRODUCTION ENGINEERING PRODUCT IMPROVEMENT RENOVATION COMPONENTS GAUGE REQUIREMENTS NON-STANDARD					981 1,593 110 16 196			1,157 1,190 111 17 161			1,300 1,017 115 18 204			1,339 1,050 117 19 212	
TOTAL	SUBTOTAL (PAGE 3 OF P5)					3362 10,059			3850 10,094			5283 13,910			3806 10,363	

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:
ITEM NO. 16 PAGE NO. 5

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREN	MENT HISTO	ORY AND	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET	T ACTIVITY				C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
PROCUREMENT OF A	AMMUNITIC	ON, NAVY	& MARINE CORPS/	BA 1	PYROTECH	NICS AND DEMOLITION	MATER	AL	A1	AJ
					BLIN: 03400	0				
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, I	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 COM	IET L192								
FY 2007	4992	94.01	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
SIGNAL, ILLUM, MARINE, I	【 RED STAR MK	(1 L193								
FY 2007	6456		NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Feb-08	NO	Jul-06
SIG, SMK ILLUM, MAR, MK	 (124/13 DISTE	RESS L 283								
FY 2004	34840		JMC ROCK ISLAND	Oct-03	MIPR	PYROTECHNIC SPECIALTIE	Sep-04	Mar-06	YES	
FY 2005	10008		JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Oct-05	Apr-07	NO	Jun-05
FY 2006	40480		NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Oct-07	NO	Jul-05
SIG, SMK ILLUM, MAR, MK	 (117, GREEN	I A26								
FY 2004	141	-	NSWC CRANE	Oct-03	CONTRACT	CRANE AAA	Nov-04	Jun-05	YES	
FY 2005	900		NSWC CRANE	Oct-04	CONTRACT	UNKNOWN	Apr-05	Oct-06	YES	
FY 2006	760		NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Oct-07	NO	Jul-05
D. REMARKS										

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

UNCLASSIFIED

BUDGET PROCUREM	ENT HISTO	RY AND P	LANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
PROCUREMENT OF A	MMUNITIO	N, NAVY &	MARINE CORPS/B	BA 1	PYROTECHI	NICS AND DEMOLITION	MATERIA	AL	A1	AJ
					BLIN: 03400	0				
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	6 L601									
FY 2006	4050	8.41	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Sep-06	Sep-07	NO	Jul-05
FY 2007	4500		JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Sep-07	Sep-08	NO	Jul-06
MINE CHARGES & CHARGE CONTAINER, MCD, MK 788 I	DWDF									
FY 2002	1812		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 DWE	DN									
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 M0	23								
FY 2006	19500	15.66	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Aug-06	Aug-07	NO	Jul-05
CHG, DML, BLK, M118, PETN	N, 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							<u> </u>			

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

ITEM NO. PAGE NO. 7 16

CLASSIFICATION:

UNCLASSIFIED

APPROPRIATION/BUDGET ACTIVITY ROCUREMENT OF AMMUNITIC Cost Element/ FISCAL YEAR J100 CONTINUED INE CHARGES & CHARGE CUTTERS HG, ASSY, DML, M183/37 M757 Y 2006 ET CORDS, CAPS & FUZES FS NON-ELECTRIC FIRING KIT AFSK Y 2005 Y 2007 J 500 J 500 J 500	UNIT	LOCATION OF PCO	RFP ISSUE DATE	C. P-1 ITEM NON PYROTECHI BLIN: 03400 CONTRACT METHOD & TYPE	NICS AND DEMOLITIO	AWARD DATE		SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
Cost Element/FISCAL YEAR QUANTITY PION CONTINUED INE CHARGES & CHARGE CUTTERS HG, ASSY, DML, M183/37 M757 Y 2006 ET CORDS, CAPS & FUZES FS NON-ELECTRIC FIRING KIT AFSK Y 2005 1500	UNIT	LOCATION OF PCO	RFP ISSUE	PYROTECHI BLIN: 03400 CONTRACT METHOD	OCONTRACTOR	AWARD	DATE OF FIRST	SPECS AVAILABLE	DATE REVISION
Cost Element/ FISCAL YEAR J100 CONTINUED INE CHARGES & CHARGE CUTTERS HG, ASSY, DML, M183/37 M757 Y 2006 ET CORDS, CAPS & FUZES FS NON-ELECTRIC FIRING KIT AFSK Y 2005 1500	UNIT	LOCATION OF PCO	RFP ISSUE	BLIN: 03400 CONTRACT METHOD	CONTRACTOR	AWARD	DATE OF FIRST	SPECS AVAILABLE	DATE REVISION
FISCAL YEAR J100 CONTINUED INE CHARGES & CHARGE CUTTERS HG, ASSY, DML, M183/37 M757 Y 2006 ET CORDS, CAPS & FUZES FS NON-ELECTRIC FIRING KIT AFSK Y 2005 1500	COST	OF PCO		CONTRACT METHOD	CONTRACTOR		FIRST	AVAILABLE	REVISION
FISCAL YEAR J100 CONTINUED INE CHARGES & CHARGE CUTTERS HG, ASSY, DML, M183/37 M757 Y 2006 ET CORDS, CAPS & FUZES FS NON-ELECTRIC FIRING KIT AFSK Y 2005 1500	COST	OF PCO		METHOD			FIRST	AVAILABLE	REVISION
FISCAL YEAR J100 CONTINUED INE CHARGES & CHARGE CUTTERS HG, ASSY, DML, M183/37 M757 Y 2006 ET CORDS, CAPS & FUZES FS NON-ELECTRIC FIRING KIT AFSK Y 2005 1500	COST	OF PCO							
J100 CONTINUED INE CHARGES & CHARGE CUTTERS HG, ASSY, DML, M183/37 M757 Y 2006 1500 ET CORDS, CAPS & FUZES FS NON-ELECTRIC FIRING KIT AFSK Y 2005 1500			DATE	& TYPE	AND LOCATION	DATE	DELIVERY	NOW	
INE CHARGES & CHARGE CUTTERS HG, ASSY, DML, M183/37 M757 Y 2006 1500 ET CORDS, CAPS & FUZES FS NON-ELECTRIC FIRING KIT AFSK Y 2005 1500	437.86								AVAILABL
HG, ASSY, DML, M183/37 M757 Y 2006 1500 ET CORDS, CAPS & FUZES FS NON-ELECTRIC FIRING KIT AFSK Y 2005 1500	437.86								
Y 2006 1500 ET CORDS, CAPS & FUZES FS NON-ELECTRIC FIRING KIT AFSK Y 2005 1500	437.86								
ET CORDS, CAPS & FUZES FS NON-ELECTRIC FIRING KIT AFSK 7 2005 1500	437.86								l
FS NON-ELECTRIC FIRING KIT AFSK 2005 1500		JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
FS NON-ELECTRIC FIRING KIT AFSK 2005 1500							,		l
Y 2005 1500									l
									l
⁷ 2007 2500	151.00	NSWC CRANE	Apr-05	CONTRACT	UNKNOWN	Aug-05	Aug-06	NO	Mar-05
	155.90	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
									l
ETONATOR, DEL, 175MS, MK156 MOD							!		l
Y 2007 10000	10.29	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
'							!		l
 ETONATOR, DEL, 200MS, MK157 MOD		,					!		l
7 2007 L 10000		NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
2007	10.29	NOVIC CITAIL	Oct-00	CONTRACT	BINKINGWIN	Αρι-07	Αρι-00	INO	Jui-00
ETONATOR, DEL, 17MS, MK 158 MOD (I 0 12FT DWFI						!		l
7 2006		NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
'							!		l
ETONATOR, DEL, 42MS, MK 159 MOD (0, 12FT DWEN	1					!		l
Y 2006 5050	13.39	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
							!		l
ETONATOR, DEL, 25MS, MK 160 MOD (l
Y 2006 5050	13.39	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
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									<u> </u>
REMARKS									
OTE: All items shown are priced with ava									

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

ITEM NO. 16 PAGE NO. 8

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREM	ENT HISTO	DRY AND I	PLANNING EXHIB	IT (P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
PROCUREMENT OF A	AMMUNITIC	N, NAVY	& MARINE CORPS	S/BA 1	PYROTECHI	NICS AND DEMOLITION	MATER	IAL	A1	AJ
					BLIN: 03400	0				
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 & FUZE FIRING DEVICE, ACOUSTION		ES								
FY 2004	1074		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, N	MK 64 MOD 0	DWFD								
FY 2006	14000		NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
BREECH PLUG ASSEMBLY	 /. TITANIUM C	DISRUPTER (DWFL							
FY 2005	1530	i e	NSWC CRANE	Feb-05	CONTRACT	UNKNOWN	Apr-05	Jun-06	YES	
CAP, BLASTING, ELECTRIC	. MK 17 MOE	1 DWFP								
FY 2004	41444		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	1			1		<u> </u>				<u></u>

NOTE: All items shown are priced with available GFM.

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UNCLASSIFIED

Classification:

UNCLASSIFIED

BUDGET PROCUREME	ENT HISTO	ORY AND	PLANNING EXHIBIT	Γ (P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET A					C. P-1 ITEM NO				SUBHEAD	
PROCUREMENT OF A	MMUNITIO	N, NAVY	& MARINE CORPS/	'BA 1	PYROTECH	NICS AND DEMOLITION	MATER	IAL	A1	IAJ
					BLIN: 03400	0				
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, INEF										
FY 2006	4000	7.86	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Feb-07	NO	Jul-05
CAP, BLASTING, NON-ELEC	-									
FY 2004	35920		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, PRIM	ACORD, PET	N M456								
FY 2004	704000		JMC ROCK ISLAND	Oct-03	MIPR	ENSIGN BICKFORD SIMSBU		Jan-05	YES	
FY 2006	1000000	0.43	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Jun-06	Jan-07	NO	Jul-05
I FUZE, BLASTING, TIME M67 I	0									
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
I SQUIB, ELECTRIC, MK 20 M	G61									
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										
IOTE: All itams shown are n	ما المام ما المام ما المام ما المام	ilabla OFM								

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

ITEM NO. 16 PAGE NO. 10

UNCLASSIFIED

BUDGET PROCUREM	ENT HISTO	ORY AND	PLANNING EXHIBI	Г (Р-5А)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET					C. P-1 ITEM NON				SUBHEAD	
PROCUREMENT OF A	MMUNITIC	ON, NAVY	& MARINE CORPS	/BA 1		NICS AND DEMOLITION	MATER	IAL	A 1	AJ
					BLIN: 03400	0				
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 & FUZE										
FIRING DEVICE, DML MULT										
FY 2006	15008	32.61	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Jan-06	Nov-06	NO	Jul-05
RADIO FIRING DEVICE (RFI	 D) MK 186 ML 	_06								
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	C 153 MN51									
FY 2005	138	54.88	NSWC CRANE	Oct-04	CONTRACT	ENSIGN BICKFORD SIMSBU	Jan-05	Apr-05	YES	
FIRING DEVICE, MK 62 MN8	31									
FY 2005	2380	852.11	NSWC CRANE	Oct-04	CONTRACT	UNKNOWN	Apr-05	Apr-06	YES	
CONNECTOR, DET CORD, F	PLASTIC MW	/49								
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.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

ITEM NO. 16 PAGE NO. 11

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCURE	MENT HISTO	RY AND F	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
				` ,					February 20	05
B. APPROPRIATION/BUDGE	T ACTIVITY				C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
PROCUREMENT OF	AMMUNITIO	N. NAVY	& MARINE CORPS/I	BA 1	PYROTECHI	NICS AND DEMOLITIC	N MATER	IAL	A1	AJ
		,			BLIN: 03400					-
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 & CARTRIDGE										
CTG, IMPULSE, MK 148 M										
FY 2006	100	971.41	INDIAN HEAD	Oct-05	CONTRACT	UNKNOWN	Apr-06	Jun-07	NO	Jul-05
CTG, 50 CAL BLANK, ELE FY 2006	C, MK209 SS01 22000	67.74	NSWC CRANE	Nov-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Sep-05
		· · · ·					7.5. 33	7		Cop oc
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		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		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.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

ITEM NO. 16 PAGE NO. 12

UNCLASSIFIED

									DATE:			
				P-40					•	F	ebruary 200	5
APPROPRIATION/BUD	GET ACTIVI	ITY					P-1 ITEM NO	MENCLATURE				
PROCUREMENT O	F AMMUN	IITION, I	NAVY & MARINE COR	PS/BA 1			JUDGEMENT FUND - BLI 0365					
Program Element for Co	,							Program Elen	nents			
	code B Items:											
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST												
(In Millions)			\$20.1									

ITEM DESCRIPTION/JUSTIFICATION:

PJ001: Funding required for payment of Judgement fund

.

DD Form 2454, JUN 86

P-1 SHOPPING LIST CLASSIFICATION:
ITEM NO. 17 PAGE NO. 1

	WEAPONS SYSTEM C	OST A	NALYSIS			Weapon Syste	em							DATE:	
	P-5 RIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & MARI	INE CO	RPS/BA 1				P-1 ITEM NOI JUDGEMEI BLI 0365							Februa	ary 2005
			TOTAL COS	T IN THOUSAI	NDS OF DOLL	ARS									
COST CODE	ELEMENT OF COST	ID Code	Prior Years Total Cost	Quantity	FY 2004 Unit Cost	Total Cost	Quantity	FY 2005 Unit Cost	Total Cost	Quantity	FY 2006 Unit Cost	Total Cost	Quantity	FY 2007 Unit Cost	Total Cost
			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									
SUBTOTA	L (PAGE 1 OF P5)					20,193			0			0			0
CODICIA	- 1. 7.0- 1.01 1.0)		ı			20,133	1		U		l	U	l		U

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

BUDGET ITEM JUSTIFICAT	TION SHEET		DATE:		_					
P-40					FEBRUAR	/ 2005				
APPROPRIATION/BUDGET ACTIVITY			P-1 ITEM NO	MENCLATURE					BLI 040000	
PROCUREMENT OF AMMUNITION, NAVY & MARINE CO	RPS/ BA-1				Ammuni	ition less th	an \$5 millio	n (J1A5)		
Program Element for Code B Items:	Other Related	Program Elen	nents							
BLI: 040000			Lements							
Prior ID	=>//	=> /	5 1/2222	=> /	=1/2222	=>/	=>//-	=>//	То	
Years Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	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.

P-1 SHOPPING LIST

DD Form 2454, JUN 86 ITEM NO: 18 PAGE NO. 1

UNCLASSIFIED

CLASSIFICATION:

BUDGET ITEM JUSTIF P-4		SHEET FOR	AGGREGATE	D ITEMS				DATE: FEBRUAR'	Y 2005			
APPROPRIATION/BUD	GET ACT	IVITY						P-1 ITEM NO	MENCLATURE		BLI 040000	
PROCUREMENT OF AMMUN	ITION, NAV	Y & MARINE CO	RPS/ BA-1					Ammunitio	n less than	\$5 million (J1A5)	
	ID	Prior									То	
Procurement Items	Code	Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
Marine Location Mark	ers											
MK 58 MLM	Α										Continuing	Continuing
Quantity		16011	3979	6397	6529	1686	6503	6661	6657	6654	Ĭ	Ü
Funding		\$4,740	\$1,530	\$2,509	\$2,612	\$688	\$2,707	\$2,718	\$2,771	\$2,825		
Other Costs		\$7,835	\$579	\$614	\$545	\$534	\$512	\$520	\$540	\$559		
Total P-1 Funding		\$12,575	\$2,109	\$3,123	\$3,157	\$1,222	\$3,219	\$3,238	\$3,311	\$3,384	Continuing	Continuing
- Color of Granding		ψ.2,0.0	ΨΞ,1.00	ψο,	ψο, . σ .	Ψ.,===	ψο,Ξ.ο	ψ0,200	ψο,σ	ψο,σο :	- Community	
						IODDING LIGH				OL ACCIFICAT		

DD Form 2454, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO: 18 PAGE NO. 2

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

DATE: FEBRUARY 2005

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

		MI	LLIONS OF DOLLAR	S	
LINE NO ITEM NOMENCLATURE	IDENT CODE QUAN	TITY COST Q	QUANTITY COST		
BUDGET ACTIVITY 02: PROC AMMO, MC					
MARINE CORPS AMMUNITION					
19 5.56 MM, ALL TYPES	А	22.6	35.0	37.5	U
20 7.62 MM, ALL TYPES	А	6.1	8.7	13.7	U
21 LINEAR CHARGES, ALL TYPES	А	21.3	17.7	38.8	U
22 .50 CALIBER	А	8.1	1.9	34.9	U
23 40 MM, ALL TYPES	А	10.1	25.0	58.1	U
24 60MM, ALL TYPES	А	10.8	12.4	16.2	U
25 81MM, ALL TYPES	А	18.8	25.2	17.2	U
26 120MM, ALL TYPES	А	39.2	15.3	7.2	U
27 CTG 25MM, ALL TYPES	А	3.7	3.7	2.1	U
28 9 MM ALL TYPES	А	2.6	7.6		U
29 GRENADES, ALL TYPES	А	7.0	5.0	5.3	U
30 ROCKETS, ALL TYPES	А	19.4	21.3		U
31 ARTILLERY, ALL TYPES	А	52.0	55.4	31.8	U
32 EXPEDITIONARY FIGHTING VEHICLE	А		2.5	5.7	U
33 DEMOLITION MUNITIONS, ALL TYPES	А	5.8	3.3	2.4	U
34 FUZE, ALL TYPES	А	4.3	13.8	3.6	U
35 NON LETHALS	В	3.7	1.1	1.1	U
36 AMMO MODERNIZATION	A	4.9	7.1	7.4	U

UNCLASSIFIED

DEPARTMENT OF THE NAVY FY 2006 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: FEBRUARY 2005

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

					MILLIONS O	F DOLLAR	RS		
LINE		IDENT	FY	2004	FY	2005	FY 2	006	S E
NO	ITEM NOMENCLATURE	CODE	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	С
									-
37 II	TEMS LESS THAN \$5 MILLION	А		3.4		1.7		18.2	U
TOTAL	PROC AMMO, MC			243.8		263.7	_	301.3	
TOTAL	PROCUREMENT OF AMMO, NAVY & MARINE COR.	PS		243.8		263.7	-	301.3	

PAGE N-4 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 contractorowned 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:		P-1 Item Nomenclatu	re:
Procurement of Ammunition, Navy and Marine Corps/2/Amm	unition	(101000) 5.56MM, AL:	L TYPES
Program Element for Code B Items:	Other Rel	ated Program Element	S

	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	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 Molydenum 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.

Exhibit P-40a, Budget Item Just:			regated I	Items			Date: FEBRUARY 2	005	
Appropriation Code/Budget Activity/Ser Procurement of Ammunition, Navy and Ma	rial Numbe arine Corp	er: ps/2/Ammuni	tion		P-1 Item No (101000) 5				
	ID Code	FY2004	FY2005	FY2006	FY2007			To Complete	Total
CTG, 5.56MM BALL M855 (DODIC AA40)	A	0.425	0.000	0.000	0.000				
QTY		1,574,074	0	0	0				
CTG, 5.56MM MOLLY COATED (DODIC AA67)	А	0.000	1.237	0.721	0.721				
QTY		0	2,474,000	1,360,377	1,243,103				
P-40a Total		0.425	1.237	0.721	0.721				

BLIN: 101000

Exhibit P-5, Cost Analysis	Weapon Sys	tem			Date: FEBRUARY 2005							
Appropriation Code/Budget Activity/Se Procurement of Ammunition, Navy and M Corps/2/Ammunition		:	ID Code: A		Item Nomenclatu 5.56MM, ALL TYP							
		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:		~ 3			~ · 4			~ ' '			2 4	
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	1											
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		
	22.173		II.	55.750			50.751		1	27.270		<u> </u>

Exhibit P-5a, Procurement History and	Planning	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Se	rial Number:	l		P-1 Line	Item Nomenclature:					
Procurement of Ammunition, Navy and M		Ammunitic	n		5.56MM, ALL TYPES					
	_		.			•	•	1		•
				Contract Method and		RFP Issue		Date of	Tech Data Available	Date Revisions
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Туре	Contractor and Location	Date	Award Date		Now?	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		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)		1								
LOAD ASSEMBLY & PACK (LAP)										
FY 2005	1,038,461		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-5a, Procurement History and	Planning	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Ser Procurement of Ammunition, Navy and Ma		Ammunitic	n		Item Nomenclature: 5.56MM, ALL TYPES					
WBS COST ELEMENTS	Otto	Unit Cost	Location of PCO	Contract Method and Type		RFP Issue	Award Date	Date of	Tech Data Available Now?	Date Revisions Available
	Qty	Unit Cost	Location of PCO	туре	Contractor and Location	расе	Award Date	Delivery	NOW?	Available
CTG, 5.56MM BLANK LINKED (DODIC A075)										
LOAD ASSEMBLY & PACK (LAP) FY 2004	10,652,173	0.21	JMC, ROCK ISLAND, IL	CC/ED	ALLIANT TECH, INDEP, MO	OCT 03	TAN 0.4	OCT 04	YES	
FY 2005	8,034,782		JMC, ROCK ISLAND, IL	SS/FP SS/FP	ALLIANT TECH, INDEP, MO	OCT 04	JAN 04 JAN 05	OCT 05	YES	
FY 2006	5,376,000		JMC, ROCK ISLAND, IL	SS/FP SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
F1 2000	3,370,000	0.23	OME, ROCK ISLAND, IL	33/14	ADDIANT IECH, INDEF, MO	OTMINIMUMIN	UAM UO	001 00	120	
CTG, 5.56MM BLANK (DODIC A080)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2004	20,260,000	0.09	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
FY 2005	34,650,000	0.09	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 04	JAN 05	OCT 05	YES	
FY 2006	18,172,727	0.10	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
CTG, 5.56MM GREEN AMMO (DODIC AA45)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2005	1,194,029	0.59	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 04	JAN 05	OCT 05	YES	
FY 2006	2,000,000	0.36	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
FY 2007	2,047,619	0.37	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 07	OCT 07	YES	

Exhibit P-21, Production Schedule														Dat		RY 2	200!	5												
Appropriation Code/Budget Activity/Seria Procurement of Ammunition, Navy and Mari				mmuni	tion	n				Wea Sys				P-1	Li	ne :	Iter	n DC								S				
									PR∩I	DUCTI	ON F	2 A TE					DR(CURE	MEN	r LE	דידת ב	MES								
Item		fact	urer's	Name	and				SR	EC				ALT			ALT	Afte	er	Int:	itia	1		rder PLT		Tota	al	Unit Meas		
A059	ALL	IANT	TECH,	INDE	P, MC)		(0	19	. 4	67	.5		4			4			9			9		1	.3		М	
						Fis	cal	Year	200	4								Fisc	al	Year	200)5								
									Cale	enda	r Yea	ar 2	004								Cale	enda	r Ye	ar 2	2005					
	F Y	S V	Q T Y	D E L	B A L	0 C T	N O	D E C	J A	FE	M A R	A P R	M A	J	J U L	A U G	S E P	0 C T	N O V	D E C	J A	F E B	M A	A P R	M A	J U N	J U L	A U G	S E P	ВА
Item		С				Т	V	C.	N	В	R	R	Y	N	Ъ	G	Р				N		R		Y					L
A059	2004		54.2	0.0					A									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		47.7	0.0																	A									47.7
	2006	1	114.0	0.0																										114.0
	2007	MC	114.0	0.0	####																									114.0
																												\vdash		
																												\vdash		
	<u> </u>			<u> </u>	<u> </u>	Fig	aal '	Year	200	16				<u> </u>	!	ļ		Fisc	121	Voar	200	7		<u> </u>	ļ			ш		
						FIS	Cai			enda	r Vo	ar 2	006					FISC	aı				r Ye	ar 2	2007					
									Car		100	21 2	-								Car		1	<u> </u>	.007					
	1	S	Q	D	В	0	N	D	J	F	М	A	М	J	J	A	S	0	N	D	J	F	М	А	M	J	J	А	S	В
Item	F Y	V C	T Y	E L	A L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	A L
A059	2004		54.2	54.2							10		-			Ü	_	_					10					J	_	0.0
	2005		47.7	0.0		4	4	4	4	4	4	4	4	4	4	4	3.7													0.0
	2005		114.0	0.0				_	A	1	-	-	-			1	3.7	10	10	10	10	10	10	10	10	10	10	10	4	0.0
	2007	1	114.0	0.0														10	10	10	A	10	10	10	10	10	10	10	1	114.0
					1																									
					1																									
		1		<u> </u>	1	1			<u> </u>	1					1		<u> </u>					1	<u> </u>	·	·	1	1			

Exhibit P-21, Production Schedule														Dat FER	ce: BRUA	RY	2005	5												
Appropriation Code/Budget Activity/Seria Procurement of Ammunition, Navy and Mari				nmuni	tio	n				Wea Sys					L Li:											S				
									PRO	DUCT:	ION	RATE	3				PRO	CURE	MEN.	Γ LE.	ADTI	MES								
Item		fact tion	urer's	Name	and			MS	SR	EC	!ON	М	AX		Pri Oct		ALT to C			Int:			Reo Mfg			Tota	al		t of sure	
A059	ALL	IANT	TECH,	INDE	Р, МО)		()	19	. 4	67	7.5		4			4			9			9		1	13		М	
						Fis	cal	Year	200	8								Fisc	al	Year	200	9								
		1							Cal	enda	r Ye	ear 2	2008		•					•	Cale	enda	r Ye	ar :	2009					
Item	F Y	S V C	Q T Y	D E L	B A L	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	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		57.8	57.8	0.0	1	V	C	IN	ь	А	Л	1	IN	ш	G	Р	1	V	C	IN	ь	А	А	+1	IN		G	P	0.0
AUJ	2004		48.0	48.0																					+					0.0
	2006		114.0	114.0																					1	<u> </u>	<u> </u>			0.0
	2007		114.0		####	10	10	10	10	10	10	10	10) 10	10	10	4								1					0.0
						Fis	cal	Year	201	LO								Fisc	al `	Year	201	.1								
									Cal	enda	r Ye	ear 2	2010								Cale	enda	r Ye	ar 2	2011					
						_			_	_					_							_		_						_
	F	s V	Q T	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J	J U	A U	S E	0 C	N O	D E	J A	F E	M A	A P		J U	J U	A U	S E	B A
Item	Y	С	Y	L	L	Т	V	С	N	В	R		Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
A059	2004	MC	57.8	57.8	0.0								-												\perp	igspace	igspace	<u> </u>		0.0
	2005	MC	48.0	48.0	0.0								ļ												₩	ـــــــ	ـــــــ	<u> </u>		0.0
	2006		114.0	114.0	0.0							-	<u> </u>										<u> </u>		₩	\vdash	\vdash	<u> </u>		0.0
	2007	MC	114.0	114.0	0.0																				+	\vdash	\vdash	<u> </u>	\sqcup	0.0
												-	-												+-	\vdash	\vdash	<u> </u>	$\vdash \vdash$	-
	1											-	<u> </u>										-		+-	\vdash	\vdash	<u> </u>	$\vdash \vdash$	-
	1											-	<u> </u>										-		+-	\vdash	\vdash	<u> </u>		-
	1	<u> </u>			<u> </u>	<u> </u>	<u> </u>			<u> </u>	<u> </u>	1	<u> </u>		<u> </u>								<u> </u>		⊥	↓	↓	<u> </u>	Ш	

Exhibit P-40, Budget	Item Jus	tificatio	n				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunitio	-			ition	P-1 Item N (102000) 7						
Program Element for Code	B Items:			Other Rela	ited 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 All1) 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 Al51) 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.

20-102000 Exhibit P-40
BLIN: 102000 PAGE 1 OF 6 Budget Item Justification

Exhibit P-40a, Budget Item J			Aggregated	litems					Date: FEBRUARY 2	2005	
Appropriation Code/Budget Activity Procurement of Ammunition, Navy an	y/Serial Nu nd Marine C	mber: orps/2/Ammu	unition		P-1 Item N (102000) 7						
Procurement Items	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
A102, CTG, 7.62MM X 39 FOR AK-47 (DODIC A102)	А	0.000	2.457	0.980	0.000						
QTY		0	1,260,000	490,000	0						
P-40a Total		0.000	2.457	0.980	0.000						
	1	1	1		02000	1	1	1	-t	1	Exhibit P-40a

20-102000 PAGE 2 OF 6 Exhibit P-40a Budget Item Justification for Aggregated Items

Exhibit P-5, Cost Analysis								Date: FEBRUARY 200	5			
Appropriation Code/Budget Activity/Ser: Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	ial ID Code: A		Item Nome 7.62MM, A		:							
		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	20-102000		12.751			7.958		chibit P-5

20-102000 Exhibit P-5
BLIN: 102000 PAGE 3 OF 6 Cost Analysis

Exhibit P-5a, Procurement History and Plan	ning	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial					Item Nomenclatur					
Procurement of Ammunition, Navy and Marine	Corps/2/Amm	unition		(102000)	7.62MM, ALL TYPE	ES				
	1				1		I			
				Contract Method and	Contractor and	RFP Issue		Date of First	Tech Data Available	
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Type	Location	Date	Award Date	Delivery	Now?	Available
CTG 7.62 MM BLANK M82 LINKED/M13 (DODIC A111)										
LOAD ASSEMBLY & PACK (LAP)										+
LOAD ASSEMBLI & PACK (LAP)						-				+
					ALLIANT TECH,	00				
FY 2004	5,191,666	0.24	JMC, ROCK ISLAND, IL	SS/FP	INDEP, MO	OCT 03	JAN 04	OCT 04	YES	+
CTG 7.62MM 4 BALL/1 TRACER LINKED (DODIC A131)	ļ				ļ	1				1
LOAD ASSEMBLY & PACK (LAP)										
					ALLIANT TECH,					
FY 2004	9,617,073	0.41	JMC, ROCK ISLAND, IL	SS/FP	INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
					ALLIANT TECH,					
FY 2005	13,246,511	0.43	JMC, ROCK ISLAND, IL	SS/FP	INDEP, MO	OCT 04	JAN 05	OCT 05	YES	
					ALLIANT TECH,					
FY 2006	14,755,102	0.49	JMC, ROCK ISLAND, IL	SS/FP	INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
					ALLIANT TECH,					
FY 2007	13,702,000	0.50	JMC, ROCK ISLAND, IL	SS/FP	INDEP, MO	UNKNOWN	JAN 07	OCT 07	YES	
CTG, 7.62MM BALL LINKED (DODIC A143)										
LOAD ASSEMBLY & PACK (LAP)										
					ALLIANT TECH,					
FY 2006	5,341,304	0.46	JMC, ROCK ISLAND, IL	SS/FP	INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
CTG 7.62MM 4 BALL/1 TRACER LINKED (DODIC A151)										+
		1								+
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 2006	2,022,222	0.45	JMC, ROCK ISLAND, IL	55/FP		UNKNOWN	JAN 06	001 06	YES	+
FY 2007	910,000	0.50	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 07	OCT 07	YES	
11 2007	910,000	0.50	ONC, KOCK ISLAND, IL	22/65	INDEF, PIO	OTATANOWIN	UMN U/	001 07	150	+
						+				+
CTG 7.62MM BALL LONG RANGE (DODIC AA11)	1				1	1			1	+
LOAD ASSEMBLY & PACK (LAP)						1				
					ALLIANT TECH,					
FY 2004	1,031,111	0.51	JMC, ROCK ISLAND, IL	SS/FP	INDEP, MO	OCT 03	JAN 04	OCT 04	YES	+
	0 051 50	0.50	TWG DOGW TGT 137	00/75	ALLIANT TECH,		7337 05	0.0m 0.5		
FY 2006	2,251,724	0.58	JMC, ROCK ISLAND, IL	SS/FP	INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	+
						1				
										1
										1
	l	<u> </u>	l	1	L	<u> </u>	<u> </u>	l	1	

20-102000 Exhibit P-5a

BLIN: 102000 PAGE 4 OF 6 Procurement History and Planning

Exhibit P-21, Production Schedule														Dat FEB		RY	200	5												
Appropriation Code/Budget Activity/Seria Procurement of Ammunition, Navy and Mark				Ammu	ıniti	on					apon stem													atuı ALL		PES,	4	& 1	LIN	IKED
									PROI	DUCT	ION	RATE					PRO	CURE	EMEN'	T LE	ADTI	MES								
Item		ıfact ıtion	urer':	s Nam	me and	i		MS	SR	EC	CON	Mž			Pri Oct			Aft Oct		Inti Mfg				rder PLT		Tota	al	-	t of sure	
A131	ALLI	ANT	TECH,	INDE	EPENDA	ANCE	, MO	()	19	.4	67	.5		4			4			9			9		1	13	▙	1	4
						Fisc	cal :	Year	200	4								Fisc	cal	Year	200	05				<u></u>				
									Cale	enda	r Ye	ar 2	004								Cale	enda	ır Ye	ear 2	2005					•
Item	F Y	S V C	Q T Y	D E L	B A L	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R		M A Y	J U N	J U L	A U G	S E P	B A L
A131	2004		9.61	0.00		_	V		A	Ь	10	10		IN	п	0						1	1	1	1	3 0.83				0.00
	2005				13.24																A									13.24
	2006	MC	14.76	0.00	14.76																									14.76
	2007	MC	13.70	0.00	13.70																						$oxed{oxed}$	$oxed{oxed}$	igsqcup	13.70
																									<u> </u>	<u>L</u>	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$		
						Fis	cal :	Year	200	6								Fisc	cal	Year	200	7								
	1				ı			ı	Cale	enda	r Ye	ar 2	006						1	ı	Cale	enda	r Ye	ear 2	2007		_	_		
Item	F	S V C	Q T Y	D E L	B A L	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	P	M A Y	J U N	J U L	A U G	S E P	B A L
A131	2004	1	9.61				•		14		10	10	_	14		J	_	-	•	-			10	1	Ť	1	Ť		-	0.00
	2005		13.24		13.24		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				А									1.2	1.2	1.2	1.2	1.2	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			<u> </u>	<u> </u>	<u> </u>	\perp	\perp	\bigsqcup	13.70
																											<u> </u>	<u> </u>		

BLIN: 102000

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Production Schedule

Exhibit P-21, Production Sc	hedule													Dat FEE		RY	200!	5												
Appropriation Code/Budget A Procurement of Ammunition,				Ammur	nitio	on					apon stem													atur ALL		ES,	4 /	& 1	LIN	KED
									PROI	DUCT	TON	RATE	:				PRC	CIIRI	MEN	T LE	ודתב	IMES								
Item	Manu Loca		urer'	s Nam	ie and	i		М	SR		CON		AX		Pri Oct		ALT		er	Int Mfg	itia	ıl		rder PLT		Tota	al		t of sure	
A131	ALLI	ANT	TECH,	INDE	PENDA	ANCE	, MO		0	19	9.4	67	7.5		4			4			9			9		1	13	<u> </u>	М	
						Fis	cal '	Year	200	18								Fis	al	Year	. 200	0.9						<u> </u>		
										enda	r Ye	ar 2	2008										r Ye	ear 2	2009					
	F	s V	Q T	D E	B A	O C	N O	D E	J A	F E	M	A P	M A	J	J U	A U	S E	O C	N O	D E	J A	F E	M A		M A	J	J	A U	S E	В
Item	Y	C	Y	L	L	Т	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	L
A131	2004		9.61		0.00																			-			<u> </u>	<u> </u>		0.00
	2005			13.24	0.00																			+-	-	-	—	<u> </u>		0.00
	2006			14.76	0.00																			₩	├─	<u> </u>	₩	 	igwdapprox	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							\vdash						0.00
																								 					\vdash	
																								1						
																												1		
	<u> </u>		· ·			Fis	cal	Year	201	.0								Fis	cal	Year	20:	11								
									Cal	enda	r Ye	ar 2	2010								Cal	enda	r Ye	ear 2	2011					
	F	s v	Q T	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J	J U	A U	S E	0 C	N O	D E	J A	F E	M A		M A	J U	J U	A U	S E	B A
Item	Y	C	Y	L	L	Т	V	C	N	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R		Y	N	L	G	P	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																			<u> </u>		<u> </u>	<u> </u>	<u> </u>		0.00
																								\vdash	<u> </u>	<u> </u>	<u> </u>	<u> </u>	\vdash	
																								+			 			
	'	•							20-1	0200	0					•								-			•	Exi	aibit	P-21

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Exhibit P-40, Budget	Item (Justifica	ation				Date:				
							FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunition		-			P-1 Item 1 (103000) I		re: RGES, ALL T	YPES			
Program Element for Code	B Items	;:		Other Relate	ed 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 M59Al (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.

21-103000 Exhibit P-40
PAGE 1 OF 6 Budget Item Justification

Exhibit P-5, Cost Analysis								Date: FEBRUARY	2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				enclature: HARGES, AL								
		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
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 BLIN: 103000	21.310			17.718 21-103000		<u> </u>	38.761			35.000	173	xhibit P-5

21-103000 BLIN: 103000 Exhibit P-5 PAGE 2 OF 6 Cost Analysis

Exhibit P-5a, Procurement History and Pla	anning	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Procurement of Ammunition, Navy and Marin		 /Ammuniti	on		Item Nomenclatur LINEAR CHARGES,		S			
				Contract Method	Contractor and	RFP Issue		Date of First	Tech Data Available	Date Revisions
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	and Type	Location	Date	Award Date	Delivery	Now?	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)					ALL TAND DEGIL					
FY 2004	631	30.11	JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, RADFORD, VA ALLIANT TECH,	OCT 03	DEC 03	OCT 05	YES	
FY 2005	609	31.20	JMC, ROCK ISLAND, IL	C/FFP	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 American Ordnance	OCT 04	MAR 05	AUG 06	YES	
FY 2006	101	16465.35	JMC, ROCK ISLAND, IL	C/FFP	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	
		<u> </u>	21-103000				<u> </u>]	E:	xhibit P-5a

Exhibit P-5a, Procurement History and Planning		Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Number Procurement of Ammunition, Navy and Marine Corps		ion			Item Nomenclature: LINEAR CHARGES, AI					
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	
									<u> </u>	Exhibit P-5a

Exhibit P-5a

Exhibit P-21, Production Schedule														Dat		DV	200	-												
																RY														
Appropriation Code/Budget Activity/Seria				O / 7 -							pon												encl			DDI	33 OTT	TNC	ava	
Procurement of Ammunition, Navy and Mari	ne (Jor	ps/2	∠ / Aĭ	ıımu:	ultl	Lon			SYS	stem			(10	300	U)	טט.	DTC.	• 141	N/9,	, Al	-EKS	o OB	STA	СЬЕ	RKI	EACH	TNG	SYS	
		_							PROI	DUCT:	ION	RATE					PRC	CURI	EMEN'	T LE	ADTI	IMES								_
																												Unit		
			Manı											ALT				Aft		Int				rder				Meas	ure	
Item			1			ocati		M	SR	EC	ON	MA	AX	to C	oct :	1	to (Oct	1	Mfg	PLT		Mfg	PLT		Tot	al			
MN79						CKFC Y, C'		0	.1	1	5	0	. 3		3			3			6			6			9		K	
PIN 7 9				SIME	JDUK	1, C.	1	0		1	. 5	0	. 3		3			3			0			0			9		А	
						Fie	ra l	Year	200	4								Fisc	7al	Vear	- 200	n 5				<u> </u>				
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	F	S V	Q T	D E	B A	0	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A		M A	J U	J U	A U	S E	B A
Item	Y	C	Y	L	L	Т	v	C	N	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R		Y	N	L	G	P	L
MN79	04	MC	0.35	0.00	0.3	5		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				(0.0
	05	MC	0.50	0.00	0.5)														А						0.04	0.04	0.04	0.04).3
	06	MC	3.25	0.00	3.2	5																							3	3.2
	07	MC	3.15	0.00	3.1	5																							3	3.1
							cal	Year	200	6								Fisc	cal	Year	200	07								
						· I			Cal	enda:	r Ye	ar 2	006								Cal	enda	ır Ye	ar 2	2007					
	Ī _	S	Q	D	В	0	N	D	J	F	M	A	M	J	J	A	S	0	N	D E	J	F	M	A		J	J	A	S	В
	F Y	V C	T Y	E L	A L	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	A L
MN79			0.35	1																										0.00
		1				4 0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.06																	0.0
			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	0.28				(0.0
		1	3.15	1	_															A							0.26	0.26		
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Exhibit P-21, Production	on Schedule													Dat FEE		ARY	200	5												
Appropriation Code/Budg Procurement of Ammuniti					'Amm	uni	tior	n			apon							m DC		-		-	-			BRE	EACH	IING	SY	S
									PROD	DUCT	ION	RATE	:				PRO	CURE	MEN	T LE	ADTI	MES								
Item				ufact Loca			Name	M	SR	EC	CON	М	AX	ALT to (Pri Oct			Afte Oct 1		Int: Mfg			Reo:	rder PLT		Tota	al	Unit Meas		
MN79			Е	NSIG SIMS				0	.1	1	.5		3		3			3			6			6			9		K	
						Fis	cal	Year	200	8								Fisc	al :	Year	200	9								
									Cale	enda	r Ye	ar 2	2008								Cale	enda	r Ye	ar 2	2009					
	F		Т	D E	ВА	0	N O	D E	J A	F E	M A	A P	M A	J U	J	A U	S E	0 0	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	B A
Item	Y			L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
MN79	04			0.35																										0.00
	0.5			0.50																										0.00
			3.2																											0.00
	07	MC	3.1	1.04	1 2.1	1 0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.29																	0.00
						.	L												_											
						Fis	cal	Year	201		r Ye	·	2010					Fisc	al	Year	1		r Ye		2011					
									Cale	ilua	1 16	ar 2	2010								Care	FIIGA	1 16	ar z	2011					
	F		Т	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	B A
Item	Y			L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
MN79		MC		0.35																										0.00
	05			0.50																										0.00
		MC		3.25																										0.00
	07	MC	3.1	3.15	0.00	ינ		21.	-1030	000	<u> </u>		l									<u> </u>	1		<u> </u>	l	L	Beele d 1	L - L	0.00 P-21

Exhibit P-40, Budget	Item Jus	stificati	.on				Date: FEBRUARY 20)5			
Appropriation Code/Budget Procurement of Ammunition	_				P-1 Item Not (104000) .5						
Program Element for Code	B Items:			Other Rela	ted 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.

22-104000 PAGE 1 OF 5 Exhibit P-40 Budget Item Justification

Exhibit P-40a, Budget Item Justi:		or Aggre	gated Ite	ms				Date: FEBRUARY	2005	
Appropriation Code/Budget Activity/Seri Procurement of Ammunition, Navy and Mar	al Number: ine Corps/2	/Ammunitio	n		P-1 Item N (104000) .	Jomenclature 50 CALIBER	e:			
Procurement Items	ID Code	FY2004	FY2005	FY2006	FY2007				To Complete	Total
CTG, CAL .50 SNIPER CLR F/OVRHD FIRE	А	0.000	0.000	0.244	0.244					
)TY		0	0	88,727	87,142					
?-40a Total		0.000	0.000	0.244	0.244					ibit P-4

22-104000

BLIN: 104000 PAGE 2 OF 5

Exhibit P-5, Cost Analysis	Weapon Sy	stem			Date: FEBRUARY	2005						
Appropriation Code/Budget Activity, Procurement of Ammunition, Navy and Corps/2/Ammunition		mber:	ID Code: A	P-1 Line (104000)								
		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, .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		

 BLIN:
 104000
 Exhibit P-5

 BCST Analysis
 Cost Analysis

Exhibit P-5a, Procurement History and Plant	ning	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial N Procurement of Ammunition, Navy and Marine		ition			Item Nomenclature: .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		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	

22-104000 Exhibit P-5a
BLIN: 104000 PAGE 4 OF 5 Procurement History and Planning

Exhibit P-21, Production Sch	edule													Dat FEE		RY	200	5												
Appropriation Code/Budget Ac Procurement of Ammunition, N				Ammu	niti	.on					apon stem									an 576,						R AI	PI 4	& 1	LIN	IKED
									PROI	DUCT	ION	RATE					PRO	CURI	EMEN	T LE	ADTI	MES								
Item	Loca	tion							SR		CON		AX	ALT to	0ct		ALT to (Oct :		Inti Mfg	PLT		Reo PLT		Mfg	Tota		Unit of Meas	sure	
A576	ALLI	ANT	TECH,	INDE	P, M	3		(0	1.	.15	3.	96		4			4			9			9			13		М	
						Fisc	cal N	rear	200	4				<u> </u>				Fisc	cal :	Year	200)5				<u> </u>		<u> </u>		
									Cale	enda	r Ye	ar 2	004								Cal	enda	r Ye	ar 2	2005					
	F	s V	Q T	D E	ВА	0 0	N O	D E	J A	F E	M A	A P	M A	J U	J	A U	S E	00	N O	D E	J A	F	M A	A P	M A	J	J U	A U	S E	B A
Item	Y	С	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
A576	2004		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	0.00
	2005		0.69		0.69																A									0.69
	2006		12.06	0.00	12.06																									0.00
	2007	ric	0.00	0.00	0.00				l .	l	1	l		l	<u> </u>								1	l				I		0.00
						Fisc	cal Y	Year	200	16								Fisc	cal :	Year	200	7								
									Cale	enda	r Ye	ar 2	006								Cal	enda	r Ye	ar 2	2007					
	_	S	Q	D	В	0	N	D	J	F	М	A	М	J	J	A	S	0	N	D	J	F	М	A	М	J	J	A	S	В
Item	F	V C	T Y	E L	A L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	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	1.06	0.00
	2007	MC	0.00	0.00	0.00																									0.00

22-104000 Exhibit P-21
BLIN: 104000 PAGE 5 OF 5 Production Schedule

Exhibit P-40, Budget	Item (Justifica	ation				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunitio		-			P-1 Item 1 (105000) 4						
Program Element for Code	B Items	5 :		Other Relate	ed 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/M430Al 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 (Justifica	ation				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunitio		-			P-1 Item I (105000)	Nomenclatu 40MM, ALL					
Program Element for Code	B Items	S:		Other Relate	ed Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	10,125	25,017	58,148	55,236	51,164	53,052	66,960	60,566		380,268

Description Continuation:

BLIN: 105000

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 procurred as a replacement for the M385 (DODIC B576) and the M918 (DODIC B584).

23-105000 2 of 10

Exhibit P-40a, Budget Item Justi			gregated	d Items			Date: FEBRUARY	2005	
Appropriation Code/Budget Activity/Ser: Procurement of Ammunition, Navy and Ma			tion		P-1 Item (105000)	ature: LL TYPES			
Droguroment Items	ID Code	EV2004	FY2005	EV2006	FY2007			To Complete	Total
Procurement Items	ID Code	F12004	F12005	F12006	F12007			Complete	IOLAI
CTG, 40MM FCT PROGRAM (DODIC B430)		0.519	0.000	0.000	0.000				
QTY									
					<u> </u>				
					ļ				
					-				
					<u> </u>				
P-40a Total		0.519	0.000	0.000	0.000				

Exhibit P-5, Cost Analysis								Date: FEBRUARY 2	2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	ID Code: A		Item Nom 40MM, AL	enclature: L 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)	<u> </u>											
COMPLETE ROUND, 40MM BLANK SALUTE										0.207	3,309	62.55
CTG, 40MM PRACTICE LINKED MK19 (DODIC B576)	<u> </u>											
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
COM BETE ROOMS	3.330	210,000	10.30	1.231	227,730	10.33	11.035	010,517	17.11	12.002	000,020	17.72
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		
	 											<u> </u>
				07 77								
P-5 Total	9.606	<u> </u>	<u> </u>	25.017		<u> </u>	58.148	<u> </u>	<u> </u>	55.236		

Exhibit P-5a, Procurement History and Planning		Weapon S	ystem		Date:					
					FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Numb Procurement of Ammunition, Navy and Marine Cor		ion			Item Nomenclatu 40MM, ALL TYPES					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and	RFP Issue	Award Date	Date of First Delivery	Tech Data Available Now?	
								_		
CTG 40MM PRACTICE M781 (DODIC B519)										
LAP, COMPLETE ROUND										
777. 2004	270 071	4 000	TMG DOGW TGLAND TI	Q/PPD	MAST TECHNOLOGIES	OGE 03	DEG 03	MAD 05	VII.O	
FY 2004	378,071	4.800	JMC,ROCK ISLAND,IL	C/FFP	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	25 00	JMC, ROCK ISLAND, II	C/FFP	MARTIN. PERRY, FL	OCT 04	DEC 04	MAR 06	YES	
F1 2005	20,024	35.00	OMC, ROCK ISLAND, II	C/FFP	MARIIN. PERRI, FL	001 04	DEC 04	MAR UO	IES	
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		JMC, ROCK ISLAND, IL		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		JMC, ROCK ISLAND, IL		UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	151,972		JMC, ROCK ISLAND, IL		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)							1			
FY 2005	367		JMC, ROCK ISLAND, IL		UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	1,232		JMC, ROCK ISLAND, IL		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 S	ystem		Date:					
		_	_		FEBRUARY 2005					
				ln 1 - '	T. 37					
Appropriation Code/Budget Activity/Serial Number					Item Nomenclatu					
Procurement of Ammunition, Navy and Marine Corps	s/2/Ammuniti	.on		(105000)	40MM, ALL TYPES					
		1	I		I	I	1	_	1 -	
				Contract	a	DDD 7		Date of	Tech Data	Date
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Method and Type	Contractor and Location	RFP Issue Date	Award Date	First Delivery	Available Now?	Revisions Available
	QLY	Unit Cost	LOCATION OF PCO	Type	HOCACTON	Date	Awaru Date	Delivery	NOW:	Available
CTG 40MM HEDP LINKED FOR MK 19 (DODIC B542)										
DET STAB M55 (EA) FY 2005	474 242	0.66	TMG DOGK TGLAND TI	G (BD	IDMINIOUNI	0.000 0.4	MAD OF	TIII 0.6	VDC	
	474,242		JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006 FY 2007	1,601,515 1,577,941		JMC, ROCK ISLAND, IL JMC, ROCK ISLAND, IL	C/FP C/FP	UNKNOWN UNKNOWN	UNKNOWN UNKNOWN	MAR 06 MAR 07	JUL 07 JUL 08	YES YES	
FZ PIBD M550 MPTS (EA)	1,5//,941	0.66	JMC, ROCK ISLAND, IL	C/FP	UINZINOWIN	UINKINOWIN	MAR U7	00F 09	ILS	
FY 2005	470,254	6 60	TMG DOGW TGLAND TI	C/FP	UNKNOWN	0.000 0.4	MAR 05	JUL 06	YES	
FY 2006	1,579,049	6.73	JMC, ROCK ISLAND, IL JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04 UNKNOWN	MAR 05	JUL 07	YES	
FY 2007	1,556,421		JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 00	JUL 08	YES	
LAP SPITBACK ASSY F/M433(EA)	1,330,421	0.93	ONC, ROCK ISHAND, IL	C/FF	OTATINOMIA	OTATUTAOMIA	PIGIC U /	001 00	150	
FY 2005	10,204	1 47	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	34,228		JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	3,774		JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	
LAP TEST VEHICLE F/M433 (EA)	3,771	1.51	one, Rock Idente, Id	C/11	GIVILIVOVIIV	OIVICIVOWIV	PHIC 07	001 00	120	
FY 2005	10,227	9.68	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	34,326		JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	33,866	10.01		C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	
LEAD AZIDE (SP) (LB)	00,000									
FY 2005	47	42.55	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	158	44.30		C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	156		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		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 00	SEP 07	YES	
FI 2001	000,020	12.72	NOWC, DATEGREN, VA	C/FFP	NICO, GERMANI	OIMUINOWIN	SEF U/	SEF UO	150	

						Fisc	al Y	ear	2006	5							Fis	cal	Year	200)7								
	07	MC	1.51	0.00	1.52																								1.5
	06	MC		0.00	1.53																								1.5
2342	04	MC MC		0.00	0.00																	A							0.0
ITEM B542	Y	С				Т	V	C	N I	∃ R	R	Y	N	L	G	Ь	Т	V	С	N	В	R	R	Y	N	L	G	P	L
	F	S V	Q T Y	D E L	B A L	C	N O V	D E C	J I A I	F M E A			J U	J U	A U G	S E P	0 C T	N O	D E	J A N	F E B	M A	A P R	M A	J U N	J U	A U	S E	В
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Item B542			and I	ocat	rer's ion SELEC		ie	MSR 27	-	ECON 50		MAX 100		Pri Oct 6			Oct 6	1		itia PLT 16		Reon Mfg	rder PLT 16		Tota 2:		Unit Meas		
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Trocurement of Ammunitation, Navy and		<u> </u>											MK.											шо,					
Appropriation Code/Budget Activity/S Procurement of Ammunition, Navy and				۸mmı	ni+i	on			We	eapor	n Sy	stem									omer				HEI	. מט	יווד -	רום.	F ∩D

Exhibit P-21, Production	on Schedule													Dat FEE		ARY	200	5												
Appropriation Code/Budg Procurement of Ammunit				/Ammı	unit	ion				Wea	pon	Sys	tem		0500								ncla ALL			HED	OP I	LINK	ED 1	FOR
									PRO	DUCT	ION	RATE					PR	OCUR	EMEN	T LE	ADT]	IMES								
Item				factu Locat		s Na	me	M	SR	EC	!ON	M	AX		Pri Oct			Aft Oct		Int:			Reor PLT	der		Tota	al	-	t of sure	
B542				ro be	SELE	CTEI)	2	!7	5	0	1	00		6			6			16			16		2	2		M	Ī
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						Fis	cal	Year	200	8								Fis	cal	Year	200	9								
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	F	s V		D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J	A U	S E	B A
ITEM	Y			L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
B542	04	MC	0.00	0.00	0.00																									0.00
	05	MC	0.60	0.60	0.00																									0.00
	06	MC		0.39			0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.10																0.0
	07	MC	1.51	0.00	1.51		<u> </u>							<u> </u>	0.13	0.13			-		-		0.13	0.13	0.13	0.08				0.0
						Fis	cal	Year	201	0								Fis	cal	Year	201	.1								
		_	1	1		1		1	Cale	endar	Yea	r 20	10	1	1	1	1	1	1		Cal	enda:	r Yea	ar 2	011			1	1	
	F	s v	Q	D E	B A	0	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J	A U	S E	B A
ITEM	Y			L	L	T	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	L 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 Sche	edule														ce: BRUA	RY 2	2005													
Appropriation Code/Budget Act Procurement of Ammunition, Na				2/Ammu	ıniti	on				Wea	pon	Sys	tem													RAC'	TICE			
									PRO	DUCT	'ION	RATE					PR	OCUR:	EMEN'	T LE	ADTI	MES								
Item			Manuf Locat	acture ion	er's N	Jame	and	М	SR	EC	CON	M	AX		Pri Oct		ALT to C			Inti Mfg		L	Reor PLT		Mfg	Tota	ıl	Unit Meas		
BA12				IICO PY				1	.0	4	10	8	10		3			3			12			12		1	15		М	
			1			Fisc	cal :	Year	2004	1		<u> </u>		I			ı	Fisc	al Y	ear	2005	;	<u> </u>					I.		
									Cale	endar	r Yea	r 20	04								Cale	endar	. Yea	ar 20	005					
ITEM	F	S V C	Q T Y	D E L	B A L	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	N E P	0 C T	N O V	D E C	J A N	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	1	0.22		0.22	-	Ť							1		Ü	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
						Fisc	cal '	Year										Fisc	al Y											
				ı		1	ı	1	Cale	endar	Yea	r 20	06	1	1				1	1	Cale	endar	Yea	ar 20	007		ı	1 1		
	F	s V C	Q T Y	D E L	B A L	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	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	0.02	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	n Schedule													Dat FEB	e: RUAR	Y 20	05													
Appropriation Code/Budg Procurement of Ammuniti				Ammun	ition	1				Weap	pon	Syst	em						and					PR	ACTI	CE				
									PRC	DUCT:	ION F	RATE					P	ROCUE	REMENT	LEAI	OTIME	S								
Item			Manuf Locat	acture ion	er's N	ame a	and	MS	SR	EC	!ON	M.		ALT Oct	Prior 1		ALT . Oct		to to	Inti PLT	tial	Mfg	Reor PLT	der 1	Mfg	Tota	1	Unit Meas		
BA12				NICO P'				1	.0	4	10	8	0		3			3			12			12		1	.5		М	
						Fisc	al V	aar 2	008									Fier	al Yea	r 20	0.9									
						TIBO	<u>u</u>			ndar	Year	200	В					TIDO	41 100		Cale	ndar	Year	200	9					
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		S		D E	B A	0	N O	D E	A	F E	M A	A P	M A	D.	J	A U	S E	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	B A
ITEM				L	L	Т	V	C	N	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R	R	Y	N	L	G	P	L
BA12	0	_	0.22	0.22	0.00																									0.00
	0	5 MC	0.23	0.23	0.00																									0.00
	0	6 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
	0	7 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
						Fisc	al Y	ear 2	010									Fisca	al Yea	r 20	11									
	_								Cale	ndar	Year	201	0								Cale	ndar	Year	201	1					
		S	Q	D	В	0	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	М	A	M	J	J	A	S	В
	I			E	A	C	0	E	A	E	A	P	A	U	U	U	E	C	0	E	A	E	A	P	A	U	U	U	E	A
				L	L	Т	V	C	N	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R	R	Y	N	L	G	P	L
BA12		4 MC	0.22		0.00	_						<u> </u>								<u> </u>				<u> </u>						0.00
		5 MC	0.23		0.00																									0.00
		6 MC	0.62		0.00																				ļ	ļ				0.00
	0	7 MC	0.61	0.61	0.00																									0.00

Exhibit P-40, Budget	: Item i	Justifica	ation					2005								
Appropriation Code/Budge Procurement of Ammunition		-														
Program Element for Code	e B Items	S:		Other Relat	ed Program	Elements										
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program					
Proc Qty																
Gross Cost	А	10,781	12,398	16,224	rer Related Program Elements To Total Tot											
Description: This line i	includes	60mm Mort	ar Ammunit	ion, All Tyr	oes. FY0	4 funding	includes C	ongressiona	al plus-ups	to suppor	t 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.

24-108300

PAGE 1 OF 7

BLIN: 108300

Exhibit P-40 Budget Item Justification

Exhibit P-5, Cost Analysis								Date: FEBRUARY	2005			
Appropriation Code/Budget Activity/Seri Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	al ID Code: A	P-1 Line I (108300) 6										
		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, MO, 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	t t								
NITROCULLULOSE 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		1

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

24-108300

Exhibit P-5a, Procurement History and	Planning	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Se Procurement of Ammunition, Navy and M			nition		Item Nomenclature 60MM, ALL TYPES	:				
					Contractor and	RFP Issue		Date of First	Tech Data Available	Date Revisions
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Type	Location	Date	Award Date	Delivery	Now?	Available
CTG, 60MM HE M720 W/MOF (DODIC B642)										
FY 2005					AMEDICAN ODDNANCE					
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, MO, 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		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	

24-108300

Exhibit P-5a, Procurement History and Plants	anning	Weapon S	System		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Seria	l Number:	1		P-1 Line	Item Nomencla	ture:				
Procurement of Ammunition, Navy and Maria	ne Corps/2/	/Ammuniti	on	(108300)	DODIC: BA16,	60MM, ALL	TYPES, HE	E W/MOF		
		1	<u> </u>		1	1		1	1	
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and	RFP Issue	Award Date	Date of First	Tech Data Available Now?	Date Revisions Available
CTG, 60MM HE W/MOF (DODIC BA16)	Q C 3	OHIC CODE	Edeacion of 1co	11100	Hocacion	Date	IIWara Bacc	Delivery	IVOW.	IIVATIANIC
FY 2004										
F1 2004					American					
LAP, CTG, 60MM, M720A1	3,000	71.00	ARDEC, PICATINNEY, NJ	C/FP	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	
TOWNSTON ONE COMM. MECO.	2 100	16.00		G (TD	American Ordnance MILAN TN	0.000 0.00	GDD 04	W3.D. 06	, vana	
IGNITION CTG, 60MM, M702	3,120	10.03	ARDEC, PICATINNEY, NJ	C/FP		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		ARDEC, PICATINNEY, NJ		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	T .	ARDEC, PICATINNEY, NJ		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	
	•	•	24-108300	•	•	•	•	•	E	xhibit P-5a

Exhibit P-5a
BLIN: 108300 PAGE 5 OF 7 Procurement History and Planning

									Cale	enda	r Yea	ar 20	06								Cal	enda	r Yea	ar 20	07					
	200	, , , , ,	21.11	0.0		Fisc	al Y	ear	2006			I		l .	1			Fisc	al Y	ear	2007		l .	I			<u> </u>		l	1 211.
	2006		24.5																											24.5
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BA16	2004		3.0														A													3.0
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	F	S V		D E	B A	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	0 C	N	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	B A
		1	1	1			1		Cale	enda	r Yea	ar 20	04			1					Cal	endar	r Yea	ar 20	05	1	т—		1	
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									PRO	DUC'	TION	RATE					P.	ROCUI	REME	NT LE	ADTI	MES								
Procurement of Amm	unition, Navy and Ma	arir	ne Co	rps	/2/Ar	nmun	iti	on						(10	8300) I	OODI	C: I	3A16	5, 60	, MMC	AL	L T	YPES	, HE	W/M	ЭF			
Appropriation Code	/Budget Activity/Ser	rial	L Num	ber	:					Wea	pon	Sys	tem	P-1	Lir	ne I	Item	ı DOI	DIC	and	Non	nenc	latı	ıre:						
Exhibit P-21, Prod	detion beneaute													Dat FEB		RY 2	2005													

24-108300 Exhibit P-21
BLIN: 108300 PAGE 6 OF 7 Production Schedule

xhibit P-21, Production Schedule														Date FEBR	: :UARY	200	5													
ppropriation Code/Budget Activity/Se rocurement of Ammunition, Navy and M					'Amm	uni	cion			Weap	on S	yste	m		Line									HE W	/MOF					
									PRO	DUCTI	ON RA	ATE					PR	OCUR	EMENT	LEA	DTIME	is								
tem			ufact atior		er's	Name	and	М	SR	EC	ON	M.	AX	ALT I	Prior	to	ALT Oct			Inti PLT	tial	Mfg	Reor PLT	der M		Tota		Unit Meası		
A16				UNK	MOM	1		1	50	25	0	5	00		12			12			18			18		3	0		K	
						Fisc	al Ye	ar 2	008									Fisc	al Y	ear 2	009									
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tem Y		C Y	L		L	C T	V	C	N	В	R	R	A Y	N	U L	Ğ	E P	C T	v	C	N	В	R	R	Y	N	L	G	P	L
A16 20	004 M	3.	0 3	. 0	0.0																									0.0
20	005 M	0.	0 0	. 0	0.0																									0.0
20	006 M	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
20	007 M	24.	4 0	. 0	24.4																		2.0	2.0	2.0	2.0	2.0	2.0	2.0	10.4
					:	Fisc	al Ye	ar 2	010									Fisc	al Y	ear 2	011									
									Calen	dar Y	ear 2	010									Cale	ndar	Year	2011						
		s Q	D		В	0	N	D	J	F	М	A	М	J	J	A	S	0	N	D	J	F	М	A	М	J	J	А	s	В
F	, ,	V T	E		A L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	A L
A16 20	004 M	3 .	0 3	. 0	0.0																									0.0
20	005 M	2 0.	0 0	. 0	0.0																									0.0
20	006 M	24.	5 24	. 5	0.0																									0.0
20	007 M	24.	4 14	. 0	10.4	2.0	2.0	2.0	2.0	2.4																				0.0

 24-108300
 Exhibit P-21

 BLIN: 108300
 PAGE 7 OF 7
 Production Schedule

Exhibit P-40, Budget	Item Ji	ustlilca	tion				FEBRUARY 2	2005			
Appropriation Code/Budge Procurement of Ammunition		-		mmunition	P-1 Item (109100)	Nomenclatu 81MM, ALL					
Program Element for Code	e B Items:			Other Relat	ed Program	l Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	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 M853Al 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 material 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.

25-109100

Exhibit P-40
Budget Item Justification

Exhibit P-5, Cost Analysis								Date: FEBRUARY	2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	A		Item Nome 81MM, ALI									
		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						
PARCHUTE 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 25-109100			9.700			20.452		shibit P-5

25-109100 Exhibit P-5
BLIN: 109100 PAGE 2 OF 12 Cost Analysis

Exhibit P-5, Cost Analysis								Date: FEBRUARY	2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	A		Item Nome 81MM, ALI									
		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												
GOVERNMENT FORWIGHED PRITERING												
Sub Total	1.329			25-109100			7.511			7.511		xhibit P-5

25-109100 Exhibit P-5
BLIN: 109100 PAGE 3 OF 12 Cost Analysis

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:	P-1 Line 3 (109100) 8										
		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
PARCHUTE 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 BLIN: 109100	18.798			25.222 25-109100			17.211			33.170		xhibit P-5

Exhibit P-5a, Procurement History and Planni	ng	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Nu	ımber:			P-1 Line	Item Nomenclature	:				
Procurement of Ammunition, Navy and Marine C	Corps/2/A	mmunitior	1	(109100)	81MM, ALL TYPES					
WBS COST ELEMENTS	Qty	Unit Cost		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		ARDEC, PICATINNEY, NJ		UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
BODY TUBE AND TAIL CONE	6,064		ARDEC, PICATINNEY, NJ		UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
FIN ASSEMBLY M27	6,064		ARDEC, PICATINNEY, NJ		UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
FUZE MTSQ M772	6,064		ARDEC, PICATINNEY, NJ		UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
IGN CARTRIDGE	6,064		ARDEC, PICATINNEY, NJ		UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
INFRARED ILLUM CANISTER	6,064		ARDEC, PICATINNEY, NJ		UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
PARACHUTE ASSEMBLY	6,064		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	
			25-109100						E	xhibit P-5a

BLIN: 109100 PAGE 5 OF 12 Procurement History and Planning

Exhibit P-5a, Procurement History and Plan	nning	Weapon S	ystem		Date:					
					FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial					Item Nomenclatur	e:				
Procurement of Ammunition, Navy and Marin	e Corps/2/	Ammunitio	on	(109100)	81MM, ALL TYPES					
				Contract	Contractor and	RFP Issue		Date of First		Date Revisions
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Туре	Location	Date	Award Date	Delivery	Now?	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	
	-,			-,	PINE BLUFF ARSENAL					
FY 2006	13,938	279.31	ARDEC, PICATINNEY, NJ	C/FFP	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	
	-,,		.,				1			
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	
CONTAINE										
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	
					ARMTEC DEFENSE PROD					
FY 2007	56,432	4.45	ARDEC, PICATINNEY, NJ	C/FFP	COACHELLA, CA	UNKNOWN	MAR 07	SEP 08	YES	-
FUZE MTSQ M772										
					JUNGHAMS					
FY 2004	2,692	140.04	ARDEC, PICATINNEY, NJ	C/FFP	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	
	1		.,		, , , ,				78	
IGNITION CARTRIDGE										
FY 2004	2,692	27.86	ARDEC, PICATINNEY, NJ	C/FFP	AMERICAN ORDNANCE MILAN, TN	OCT 03	MAR 04	SEP 05	YES	
					AMERICAN ORDNANCE					
FY 2006	15,889	29.39	ARDEC, PICATINNEY, NJ	C/FFP	MILAN, TN	UNKNOWN	MAR 06	SEP 07	YES	<u> </u>
FY 2007	15,270	29.14	ARDEC, PICATINNEY, NJ	C/FFP	AMERICAN ORDNANCE MILAN, TN	UNKNOWN	MAR 07	SEP 08	YES	
DDODETIANT CUADCE M219		-				-	1	1		
PROPELLANT CHARGE M218					AMERICAN ORDNANCE					
FY 2004	10,352	2.04	ARDEC, PICATINNEY, NJ	C/FFP	MILAN, TN	OCT 03	MAR 04	SEP 05	NO	
FY 2006	55,752	2 12	ARDEC, PICATINNEY, NJ	C/FFP	AMERICAN ORDNANCE MILAN, TN	UNKNOWN	MAR 06	SEP 07	NO	
2200	33,132	2.13	ALDEC, FICHILINIEI, NO	C/FFF	AMERICAN ORDNANCE	OINTINOMIN	OU Ment	SEF UI	TNO	
FY 2007	55,104	2.11	ARDEC, PICATINNEY, NJ	C/FFP	MILAN, TN	UNKNOWN	MAR 07	SEP 08	NO	
		I	25-109100			İ	1	I	F	xhibit P-5a
DI TN. 100100			25-109100 DACE 6 OF 12					Dwagumaman		nd Planning

25-109100 Procurement History and Planning BLIN: 109100

				25-109100						F	Exhibit P-
PROPELLANT CHARGE, M219	150,325	6.43	ARDEC,	PICATINNEY, NJ	C/FFP	HITECH, EAST CAMDEN, AR	OCT 04	MAR 05	SEP 06	YES	
PARACHUTE ASSEMBLY	39,956	20.65	ARDEC,	PICATINNEY, NJ	C/FFP	CALHOUN, NE	OCT 04	MAR 05	SEP 06	YES	<u> </u>
ILLUMINANT CANISTER	39,956	131.07	ARDEC,	FICALINNEI, NU	C/FFP	WILKINSON MFG, PORT	001 04	MAR U5	SEP UD	IES	+
TILIMINANT CANICTED	39,956	121 07	ADDEC	PICATINNEY, NJ	C/FFP	CRANE, AAA, CRANE, IN	OCT 04	MAR 05	SEP 06	YES	
IGNITION CTG, M752	39,956	25.88	ARDEC,	PICATINNEY, NJ	C/FFP	PERRY, FL	OCT 04	MAR 05	SEP 06	YES	
PUZE, MTSQ, M772	39,956	90.42	ARDEC,	PICATINNEY, NJ	C/FFP	DIEHL MFG, NUREMBERG, GE MARTIN ELECTRONICS,	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	
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	
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	
FY 2005											+
PROPELLANT CHARGE, M219	138,801	6.24	ARDEC,	PICATINNEY, NJ	C/FFP	HITECH, EAST CAMDEN, AR	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	
ILLUMINANT CANISTER	36,893	127.23	ARDEC,	PICATINNEY, NJ	C/FFP	CRANE, AAA, CRANE, IN	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	
FUZE, MTSQ, M772	36,893	87.77	ARDEC,	PICATINNEY, NJ	C/FFP	DIEHL MFG, NUREMBERG, GE	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	
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	
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	
FY 2004											
MORTAR, 81MM ILLUM (DODIC C871)											
WBS COST ELEMENTS	Qty	Unit Cost	Locatio	n of PCO	Туре	Contractor and Location	Date	Award Date		Now?	Available
					Contract Method and		RFP Issue		Date of	Tech Data	Date Revisions
Procurement of Ammunition, Navy and Mari	ne Corps/2/A	Ammunitio	n T		81MM, AL	L TYPES			<u> </u>		1
Appropriation Code/Budget Activity/Seria						Item Nomenclature:					(10910)
	anning	Weapon S	-			Date: FEBRUARY 2005					

Exhibit P-5a, Procurement History and Pla	nning	Weapon S	System		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Procurement of Ammunition, Navy and Marin		Ammuniti	on		Item Nomencla 81MM, ALL TYP					
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?	
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		ARDEC, PICATINNEY, NJ		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	
		1	25-109100						E	 xhibit P-5a

Procurement History and Planning

Exhibit P-21, Production	on Schedule													Dat FEB		RY 2	005													
Appropriation Code/Budg Procurement of Ammuniti				mmur	nitio	n				Wea	apon	Sys	tem			ne I 0) D										PD	FU:	ZE		
									PRO	DUCT	'ION I	RATE					PRO	CURE	MENT	LEA	ADTII	MES								
Item			Manuf and L			Name	е	MS	SR	E	CON	М	AX		Prio		ALT to (Afte Oct 1		Int: Mfg			Reo:		n Mfg	Tota		Unit Meas		
C869					UFF A BLUFF			60	00	20	000	35	500		6			6			15			15		2	21		K	
			ı			Fis	cal	Year	200	4				1				Fisc	cal	Year	200)5	1					<u> </u>		
									Cal	.enda	ır Ye	ar 2	004								Cal	enda	r Ye	ar	2005					
The second	F	S V C	Q T Y	D E L	B A L	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	A	J U N	J U L	A U G	S E P	ВА
Item C869	2004		0.00				V	C	IN	В	K	R	1	IN	П	G	Р	1	V	C	IN	В	K	R	1	IN	ш	G	P	0.0
	2005		0.00																							\vdash			$\overline{}$	0.0
	2006		8.35			;																				\Box				8.3
	2007	MC	18.77	0.00	18.7	,																								18.7
		•	•			Fis	cal	Year	200	6					•			Fisc	cal	Year	200	7		•						
									Cal	.enda	r Ye	ar 2	006								Cal	enda	r Ye	ar	2007					
	F	s v	Q T	D E	В	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E P	O C	N O	D E	J A	F E	M A	A P	A	J U	J U	A U	S E	В
C869	Y 2004	С	Y	L	L	Т	V	C	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
C003	2004		0.00	0.00	0.00																					\vdash		\vdash		0.0
	2003		8.35																	A						\vdash				8.3
	2007			0.00																n						\forall				18.7
	1 2007	1		2.30		1	1		25-1	0910	0	1	1	1	1		1	1		1	1	·	1	1	1			Exh	ibit	P-21

Exhibit P-21, Production Sched	ule													Dat FEB	e: RUAR	Y 20	005													
Appropriation Code/Budget Acti- Procurement of Ammunition, Nav				munit	ion				W	Wear	on	Syst	cem				tem 1 ODIC								PD	FUZE				
									PRODI	UCTI	ON F	RATE					PR	OCUR	EMEN'	r LEA	DTIM	IES								
Item			Manufact	turer's Name	and Location	ı		MSI	R	ECO	ON	M.	AX	ALT P	rior to O	ct 1	ALT A	fter to O	ct 1	Intitial	Mfg PL	Т	Reorde	er Mfg P	LT	Total		Unit of l	Measure	;
C869			PINE B	LUFF ARS	ENAL PINE I	BLUFF,	, AR	600)	200	00	35	500		6			6			15			15		2	21	<u> </u>	K	
						Fiscal Y	Year 200							I.			1	Fiscal Y	ear 20				I.			I.				
		1	1	1	1			C	Calendar	r Year	2008	1	1	1	1		1	1			Calend	lar Yea	r 2009	1	1	1	1			
	F	s v	Q T	D E	B A	0 C	0	D E	A	F E	M A	A P	M A	J U	J U	A U	S	0	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	B A
Item	Y	С	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
C869	2004	_	0.00		0.00																			<u> </u>	<u> </u>			++		0.0
	2005 2006	_	0.00 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		1				\vdash		0.0
	2006	_	18.77		18.77			А			0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.65	1.6	1.6	5 1.6	5 1.6	1.6	1.6	1.6	7.5
	2007	MC	10.77	0.00		Fisca	l Year		<u>_</u>				<u> </u>		<u> </u>	<u> </u>	l	Fisca	l Year	r 2011		<u> </u>	1.0	1.0	, 1.0	1.0	1.0	1.0	1.0	7.5
									alenda	ar Ye	ar 20	10										ndar Y	ear 2	011						
		S	Q	D	В		N	D	J	F	М	A	М	J	J	A	S	0	N	D	J	F	M	A	М	J	J	A	S	В
	F	V	T	E	A	C		E		E	A	P	A	U	U	U	E	C	0	E	A	E	A	P	A	U	U	U	E	A
	Y	C	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
C869	2004 2005		0.00		0.00									-									-	1	-	-		+		0.00
	2005		8.35		0.00									 									 					\vdash		0.00
	2000		18.77		7.57	1.6	1.6	1.6	1.6	1.17																		\vdash		0.00
	2007								5-109					ı	1								ı	<u> </u>	<u> </u>	ı		Exhi	bit.	

BLIN: 109100 PAGE 10 OF 12 Production Schedule

Exhibit P-21, Production Schedule														Dat FEB	e: RUAI	RY	2005	5												
Appropriation Code/Budget Activity/Se Procurement of Ammunition, Navy and M				mmu	niti	on				Wea	pon	Sys			Li1												LLU	M		
									PROI	DUCT.	ION	RATE					PRO	CURE	MENT	r LE	ADTI	MES								
Item			Manuf and I		urer's	s Nar	ne	MS	SR	EC	ON	MÆ			Pric		ALT to C				itia PLT		Reon Mfg			Tot	al		t of sure	
C871			PINI		F ARSEI LUFF, AF		NE	15	50	25	50	50	0		12			12			18			18		3	30		K	· -
						Fisc	al :	'ear	200	4								Fisc	cal '	Year	200)5	<u> </u>					<u> </u>		
									Cale	ndaı	r Ye	ar 20	04								Cal	enda	r Ye	ar 2	2005	i				
	F	s V	Q T	D E	B A	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	U		A U	S E	B A
Item	Y	С	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
C871	2004		36.3		36.3						A												_		<u> </u>				2.7	33.6
	2005		35.0		35.0																		A							35.0
	2006		0.0 5.5		0.0 5.5																				<u> </u>					0.0
	2007	MC	5.5	0.0		Fisc	ים ובי	/ear	200	6								Fisc	al '	Vear	200	17								5.5
						12.25					r Ye	ar 20	06								1		r Ye	ar 2	2007	,				
	F	S V	Q T	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A		J U	A U	S E	B A
Item	Y	Ċ	Y	E L	L	Т	V	C	N	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R	R	Y	N	L	G	P	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	9 2.9	2.9	2.9	3.1		35.0
	2006	MC	0.0	0.0	0.0																				1					0.0
	2007	MC	8.7	0.0	8.7				5-10														A							8.7 it P-21

Exhibit P-21, Production Schedule														Dat FEE		ARY 2	2005	;												
Appropriation Code/Budget Activity/Seria. Procurement of Ammunition, Navy and Mari				muni	tion					Wea	pon	Sys	tem			ne 1									: S, I	LLUN	/I			
									PRO	DUCT	CION	RATE					PR	OCUR	EMEN	IT LE	ADTI	MES								
Item			Manufac Locatio		's Na	me ar	nd	MS	SR	EC	!ON	M	AX	ALT to (Pri Oct			Aft Oct		Int: Mfg			Reor PLT	rder		Tota	1	Unit Meas		
C871			PINE BLU	FF ARSE	NAL PIN	E BLUF	F, AR	15	50	25	50	5	00		12	!		12			18			18		3	0		K	
						Fisca	al Ye	ar	2008			l					1	Fis	cal	Year	200	9								
					1				Cale	ndaı	r Ye	ar 20	800								Cale	enda	r Yea	ar 20	09					
	F	S V	Q T	D E	В	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S	0	N O	D E	J A	FE	M A	A P	M A	J	J U	A U	S	B A
Item C871	Y 2004	C	Y 32.30	L 32.30	0.00	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	0.00
C671	2004		35.00																											0.00
	2006		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
						Fisca	al Ye	ar	2010									Fis	cal '	Year	201	1								
					1		1 1		Cale	ndaı	r Ye	ar 20	10	1		1	1	1		1	Cale	enda	r Yea	ar 20	11	1	1			
	F	s V	Q T	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J	J U	A U	S E	0 C	N O	D E	J A	F E	M A	A P	M A	J	J	A U	S E	B A
Item	Y	С	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
C871	04	MC	32.30														-													0.00
	05 06	MC MC	34.96 12.72	31.96 12.72																										0.00
	06	MC	5.54														\vdash													0.00

Exhibit P-40, Budg	get Ite	m Justif	ication				Date: FEBRUARY 2	2005			
Appropriation Code/Bu Procurement of Ammuni Corps/2/Ammunition	_	-		r:	P-1 Item (112100)	Nomenclat 120MM, AL					
Program Element for C	ode B It	ems:		Other Rela	ated Progr	am Elemen	ts				
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	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		Item Nome 120MM, AL									
		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 S	ystem		Date: FEBRUARY 2005					
					FEBRUARI 2005					
Appropriation Code/Budget Activity/Se	rial Numbe	er:		P-1 Line	I Item Nomenclature:					
Procurement of Ammunition, Navy and M	arine Corp	s/2/Ammu	nition	(112100)	120MM, ALL TYPES					
					Ī					Т
				Contract Method		RFP Issue		Date of First	Tech Data Available	Date Revisions
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	and Type	Contractor and Location	Date	Award Date	Delivery	Now?	Available
CTG, 120MM TP-T M831A1 (DODIC: C784)										+
COMPLETE ROUND M831A1										+
FY 2004	3,213		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						1			1	+
FY 2006			UNKNOWN	C/FFP	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	NO	+
FY 2007			UNKNOWN	C/FFP	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	NO	†
11 2007	l	l .	OINIGNOMIN	C/FFP	OTATTAOMIA	OTATITACMIA	OTATIONIN	OTATOTACAMIA	110	

Exhibit P-21, Production Sc.	hedule													Date FEB		Y 20	05													
Appropriation Code/Budget A Procurement of Ammunition,					mmun	itio	on			Wear	oon i	Syst	em				em D DIC:							-MP-7	т м8	30A1				
									PRC	DUCT:	ION R	ATE					P.	ROCUR	EMENT	r LEA	DTIM	ES								
Item				factu Locat		s Nar	ne	M	SR	EC	ON	M.		ALT Oct			ALT Oct			Inti PLT	tial	Mfg	Reor PLT	der M		Tota	1	Unit	of M	leasure
C791			ALLI	ANT TE	CH, PI	LYMOUT	H, MN	0	.1		1		5		6			6			18			18		2	4		K	
			ļ			Fisc	al Ye	ear 2	004	ļ				<u> </u>			<u> </u>	Fisc	al Ye	ar 2	005		<u> </u>			<u> </u>				
									Cale	ndar	Year	2004	1								Cale	ndar	Year	2005	5					
	F	s v	Q T Y	D E	B A	0 C T	N O	D E	J A	F	M A	A P	M A Y	J U	J U	A U G	S E P	0 C T	N O V	D E C	J A	F E	M A	A P	M A Y	J U	J U L	A U G	S E P	B A
Item C791	04	C MC	4.19	L	L 4.19	Т	V	С	N	В	R A	R	Y	N	L	G	Р	Т	V	C	N	В	R	R	Y	N	ь	G	0.35	L
C791	05	MC	1	0.00							A												A						0.35	1.26
	06	MC		0.00																			A							0.00
	07	MC		0.00																										1.05
		ric.	1.05	0.00		_	al Ye	ear 2	006		<u> </u>	l						Fisc	al Ye	ar 2	007	l			1			<u> </u>		1.03
									Cale	ndar	Year	2006	5								Cale	ndar	Year	2007	7					
Item	F	S V C	Q T Y	D E L	B A L	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U I.	A U G	S E P	B A L
C791	04	MC	4.19				0.35				0.35			0.35		0.34							- 10	- 10	1			J		0.00
	05	MC	1	0.00				2.33		2.33	2.33							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
	07	MC	1.05		1.05																		A							1.05

Exhibit P-21, Production Schedule															te: BRU	ARY	7 20	005											
Appropriation Code/Budget Activity/Serial Procurement of Ammunition, Navy and Marin				Ammu	niti	.on				Wea Sys	_								-	-		-			ure: HEAT	-MP	-T I	4830	A1
									PROD	UCTI	ON :	RATE					Pl	ROCU	REME	NT L	EADT	IMES	3						
Item			Manu: and			s Nam	ie	M	SR	EC	!ON	MA		ALT Pri Oct	or			Afte Oct 1		Inti Mfg		l	Reo:		Mfg	Tota		Unit Meas	
C791			ALLIZ	ANT TE	CH, PI	YMOUT	H, MN	0	.1	-	1	5	;		6			6			18			18		2	4		K
						Fisc	al Ye	ar	2008									Fisc	al Y	Year	200	9							
									Cal	enda	r Ye	ear 2	2008	3							Cale	enda	r Ye	ar 2	009				
	F	S V	Q T	D E L	B A	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U L	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S B E A
Item	Y	С	Y		L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P L
C791	04	MC	4.19	4.19																									0.00
		MC MC	0.00	0.00																									0.00
		MC	1.05		1.05											1	0 09	0 09	0 09	0 09	0 09	0 09	0 09	0.09	0 09	0.09	0 09	0 06	0.00
						Fisc	al Ye	ar :	2010	l	l			11						Year			1	1					
									Cal	enda	r Ye	ear 2	2010)							Cale	enda	r Ye	ar 2	011				
	F	s V	Q T	D E	ВА	0 C	N O	D E	J A	F E	M A	A P	M A			A U	S E	0 0	N O	D E	J A	F E	M A	A P	M A	J	J U	A U	S B E A
Item	Y	C	Y	L	L	Т	V	С	N	В	R	R				G	P	Т	V	С	N	В	R	R	Y	N	L	G	P L
C791	04	MC	4.19	4.19																									0.0
	05	MC	1.26	1.26											_														0.0
		MC	0.00		0.00		-																						0.0
	07	MC	1.05	1.05	0.00																								0.0

Exhibit P-40, Budget	Item d	Justifica	ition				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunition		-		mmunition		Nomenclatu: CTG 25MM, A					
Program Element for Code	B Items	:		Other Relate	ed 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.

27-138800 PAGE 1 OF 5 Exhibit P-40
Budget Item Justification

Exhibit P-40, Budget	Item Ju	ıstificat	ion				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunitio		-			P-1 Item 1 (138800)						
Program Element for Code	B Items:			Other Relat	ed 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.

27-138800 Exhibit P-40
BLIN: 138800 PAGE 2 OF 5 Budget Item Justification

Exhibit P-40a, Budget Item	Justifi	cation	for Agg	regated	lItems				Date:		
	· · · · · ·	1			l_ a				FEBRUARY	2005	
Appropriation Code/Budget Activit) /]			Nomencla		ZDEIG			
Procurement of Ammunition, Navy a	and Marin	e Corps/2	Z/Ammunit	10n	(138800)	CTG 25M	M, ALL T	TPES	_		
										То	<u>'</u>
Procurement Items	ID Code	FY2004	FY2005	FY2006	FY2007					Complete	Total
Light Armor Vehicle 25 (DODIC LAV)	А	0.000	0.125	0.000	0.000						
		0	0	0	0						
P-40a Total		0.000	0.125	0.000	0.000						oit P-40a

27-138800

PAGE 3 OF 5

BLIN: 138800

Exhibit P-40a

Budget Item Justification for Aggregated

Exhibit P-5, Cost Analysis								Date: FEBRUARY	2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	A			nclature: ALL TYPE:	5							
		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 27-138800			2.118			6.097		Exhibit P-5

27-138800 Exhibit P-5
PAGE 4 OF 5 Cost Analysis

Exhibit P-5a, Procurement History and Pla	nning	Weapon	System	Date: FEBRUARY 2005 P-1 Item Nomenclature:						
TG, 25MM DUMMY LINKED (DODIC A967) Y 2006 TG, 25MM TP-T LINKED (DODIC A976) Y 2004 Y 2005 Y 2006 R7,820		tion		omenclature: TG 25MM, ALL TYPES						
WBS COST ELEMENTS	Qty		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
CTC 25MM DIMMY LINKED (DODIC \$967)										
FY 2006	11,410	32.69	JMC,ROCK ISLAND,IL	C/FFP	UNKNOWN	UNKNOWN	DEC 06	MAY 08	YES	
CTG, 25MM TP-T LINKED (DODIC A976)										
FY 2004	170.076	20 92	JMC,ROCK ISLAND,IL	C/FFP	GENERAL DYNAMICS RADFORD, VA	OCT 03	MAR 04	MAR 05	YES	
FY 2005				C/FFP	UNKNOWN	OCT 04	MAR 05	MAR 06	YES	
FY 2006								MAR 07	YES	
FY 2007	234,254	20.26	JMC,ROCK ISLAND,IL	C/FFP	UNKNOWN	UNKNOWN	MAR 07	MAR 08	YES	
CTG, 25MM APFSDS-T, M919 (DODIC A986)										
FY 2007	13,245	102.00	JMC,ROCK ISLAND,IL	C/FFP	UNKNOWN	UNKNOWN	MAR 07	MAR 08	YES	
						1			1	
	1		27-13	18800		1	1	1	_l	 xhibit P-5a

27-138800 PAGE 5 OF 5 Exhibit P-5a Procurement History and Planning

Exhibit P-40, Budge	t Item Ju	stificati	.on				Date: FEBRUARY 20	05			
Appropriation Code/Budg Procurement of Ammuniti				unition	P-1 Item No (142800) 9M						
Program Element for Coo	le B Items:			Other Rela	ated 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.

28-142800 Exhibit P-40
BLIN: 142800 PAGE 1 OF 4 Budget Item Justification

Exhibit P-40a, Budget Item Justific		Aggregat	ed Items					 Date: FEBRUARY	2005	
Appropriation Code/Budget Activity/Serial Procurement of Ammunition, Navy and Marine	Number: e Corps/2/Amn	nunition				menclature: M, ALL TYPE	S	T		
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		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					
							-			
P-40a Total		1.486	3.534	0.000 28-14280 0	2.290					chibit P-40

Exhibit P-5, Cost Analysis								Date: FEBRUAR	Y 2005			
Appropriation Code/Budget Activity/Serial Number:		P-1 Line Item (142800) 9MM,										
Procurement of Ammunition, Navy		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)												T
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								T
PRODUCTION ENGINEERING	0.147			0.506								
QUALITY ASSURANCE	0.032			0.109								
P-5 Total	1.066			4.081			0.000			0.000		

Exhibit P-5a, Procurement His Planning	tory and	Weapon	n System		Date: FEBRUARY 2005						
Appropriation Code/Budget Act Procurement of Ammunition, Na					Item Nomenclature: 9MM, 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	
9MM BALL (DODIC A363)											
FY2004 LOAD ASSEMBLY & PACK (LAP)	10,825,000	0.08	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH INDEPDENCE, MO	OCT 03	JAN 04	JUL 04	NO		
FY2005											
LOAD ASSEMBLY & PACK (LAP)	37,733,333	0.09	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH INDEPDENCE, MO	OCT 04	JAN 05	JUL 05	NO		
				28-142800					E	xhibit P-5a	

BLIN: 142800 Exhibit P-5a

BLIN: 142800 Procurement History and Planning

Exhibit P-40, Bud	lget Ite	em Justif	ication				Date:				
	_						FEBRUARY 2	005			
Appropriation Code/B Procurement of Ammun	_			r:	P-1 Item I (146800) (Nomenclatu GRENADES,					
Program Element for	Code B I	Items:		Other Relate	ed 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 J	ustificat	tion				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunition		-			P-1 Item 1 (146800) (Nomenclatu: GRENADES, A					
Program Element for Code	Other Relate	ed Program	Elements								
	ID Code FY2004 FY2005 FY2						FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	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 J	ustifica	tion				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunitio		_		Ammunition	P-1 Item I (146800) (Nomenclatu GRENADES,					
Program Element for Code	B Items	;:		Other Relat	ed Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	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 M125Al (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 M125Al 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".

Exhibit P-40a, Budget I				gregated	Items			Date: FEBRUARY	2005	
Appropriation Code/Budget A Procurement of Ammunition,	Activity/Se Navy and M	erial Numb Marine Cor	per: ps/2/Ammun	ition		Nomenclatu GRENADES,	S			
	ID Code	FY2004	FY2005	FY2006	FY2007				To Complete	Total
RIOT CONTROL AGENT, CS CAPSULE (DODIC K765)	А	0.000	0.035	0.000	0.000					
QTY		0	87,500	0	0					
KM03 SMOKE POT, FLOATING, RP (DODIC KM03)	A	0.651	0.000	0.290	0.333					
QTY		504	0	341	392					
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]
MOMAT		0.651	0.035	0.290	0.333					
TOTAL		0.031	0.03	0.290	0.555				1	i

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:		Item Nomen GRENADES,									
		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
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 Pla	nning	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial	Mumb on:			D 1 Time	Item Nomencla	÷				
Procurement of Ammunition, Navy and Marin		Ammunitio	n		GRENADES, ALL					
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		JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	SEP 08	MAR 10	YES	
	0,000			2,111	933334					
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		JMC, ROCK ISLAND, IL	C/FFP	AAP PINE BLUFF AR	UNKNOWN	SEP 06	MAR 08	YES	
					AAP PINE BLUFF					
FY 2007	14,538	42.65	JMC, ROCK ISLAND, IL	C/FFP	AR	UNKNOWN	SEP 07	MAR 09	YES	
	1	I	l	l	İ		i	l .	l	l

Exhibit P-5a, Procurement History and Plan	ning	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Procurement of Ammunition, Navy and Marine		Ammunitio	on		Item Nomencla GRENADES, ALL					
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, HAND SMOKE YELLOW M18 (DODIC G945)										
LAP, COMPLETE ROUND G945										
FY 2004	20,357	38.02	JMC, ROCK ISLAND, IL	C/FFP	AAP PINE BLUFF AR	OCT 03	SEP 05	MAR 07	YES	
FY 2007	18,946	43.65	JMC, ROCK ISLAND, IL	C/FFP	AAP PINE BLUFF AR	UNKNOWN	SEP 07	MAR 09	YES	
SIGNAL, MARINE SMOKE ILLUM MK124 (L283)										
LAP, COMPLETE ROUND L283										
					MARTIN ELECTRONICS IINDUSTRIES					
FY 2007	9,701	52.78	JMC, ROCK ISLAND, IL	C/FFP	PERRY, FL	UNKNOWN	SEP 07	MAR 09	YES	
SIMULATOR, TANK MAIN GUN M30 (DODIC LA06)										
LAP, COMPLETE ROUND LA06										
FY 2006	23,841	3.02	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	SEP 06	MAR 08	YES	
FY 2007	22,508	3.11	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	SEP 07	MAR 09	YES	

Exhibit P-40, Budget	Item 3	Justifica	ation				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunitio		_		Ammunition	P-1 Item I (147100) I						
Program Element for Code	B Items	3:		Other Relat	ed Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	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 oneshot 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.

30-147100 PAGE 1 OF 5 Exhibit P-40 Budget Item Justification

Exhibit P-5, Cost Analysis			Date: FEBRUARY 2	2005								
			FEBRUARY 2	2005								
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	A	P-1 Line It (147100) RO										
		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	30-147100					6.653		Exhibit P-5

Exhibit P-5a, Procurement History and Pla	anning	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Procurement of Ammunition, Navy and Marin		/Ammunitio	on		Item Nomencla ROCKETS, ALL					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	
CARTRIDGE AND LAUNCHER,										
84MM M136 AT-4 (DODIC C995)										
FY 2004										
LAP, COMPLETE ROUND C995	4,104	1500.24	MARCORSYSCOM	C/FFP	SAAB, SWEDEN	MAY 02	NOV 02	MAR 04	YES	
FY 2005										
LAP, COMPLETE ROUND M739	3,412	1501.47	MARCORSYSCOM	C/FFP	SAAB, SWEDEN	MAY 02	NOV 04	MAR 05	YES	
ROCKET, 83MM DUAL MODE (DODIC HX05)										
FY 2004										
LAP, COMPLETE ROUND HX05	7,359	1797.17	NSWC DALHGREN	C/FFP	TALLEY DEFENSE PHOENIX, AZ	OCT 99	OCT 03	MAR 04	YES	
FY 2005										
LAP, COMPLETE ROUND HX05	7,507	1810.75	NSWC DALHGREN	C/FFP	TALLEY DEFENSE PHOENIX, AZ	JUL 04	OCT 04	MAR 05	YES	
ROCKET, 83MM HEAA (DODIC HX06)										
FY 2007										
LAP, COMPLETE ROUND HX06	4,000	1662.25	MARCORSYSCOM	C/FFP	UNKNOWN	NOV 07	NOV 07	OCT 08	NO	
	1	ı	30-147100		1	<u> </u>	<u> </u>	<u> </u>	<u>I</u>	xhibit P-5a

Exhibit P-21, Production Schedule														Dat FEE		RY :	200	5												
Appropriation Code/Budget Activity/Ser Procurement of Ammunition, Navy and Ma					mmur	niti	on				apon stem									C ar.		-				AΑ				
									PROI	DUCT	ION	RATI	Ē				PRC	CURE	EMEN'	T LE.	ADTI	MES								
Item					cture nd Lo		on	M	SR	EC	CON	M	ΆΧ	ALT	Pri Oct			Aft Oct 1		Int: Mfg			Reo: Mfg			Tot		Unit Meas		
HX06				U	JNKNO	WN		15	500	7	50	18	300		12			1			11			6		2	24		E	
						Fis	cal	Year	200)4								Fisc	cal	Year	200)5				<u> </u>				
											r Ye	ar :	2004										r Ye	ar 2	2005					
	F		Т	D E	ВА	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J	A U	S E P	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	B A
Item	Y	_		L		Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
HX06					0.00																									0.00
			1		0.00																									0.00
					0.00																									0.00
	(7 MC	4.00	0.00	04.00							ļ																		4.00
						Fis	cal :	Year										Fisc	cal	Year										
				1					Cal	enda	r Ye	ar :	2006	1	1					1	Cal	enda	r Ye	ar 2	2007	1	1			
	F Y	S V C	Т	D E L	B A L	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	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
нх06	(04 MC	0.00	0.00	0.00																									0.00
	()5 MC	0.00	0.00	0.00																									0.00
					0.00																									0.00
	()7 MC	4.00	0.00	0 4.00																									4.00

30-147100 Exhibit P-21
PAGE 4 OF 5 Production Schedule

Exhibit P-21, Production Scheo	dule													Date FEBF	e: RUARY	2005	5													
Appropriation Code/Budget Acti	ivity/Seri	al	Numb	er:						Wear	on S	ystem	ı	P-1	Line	Iter	n DOD	IC a	nd N	omen	clat	ure:								
Procurement of Ammunition, Nav	_				/Ammı	uniti	.on					•		(147	7100)	DODI	IC: H	X06,	ROC	KET,	83M	M HE	AA							
									PR	ODUCT	ION RA	ATE					PF	ROCURE	MENT	LEAD'	TIMES									
Item					ırer's	Name	and	M	SR		CON		AX	ALT I	Prior	to	ALT A	After		Intit PLT	tial 1	Mfg	Reor	der M	fg	Tot		Unit o		
HX06	Location UNKNOWN				15	00	7	50	18	00		12			1			11			6			:4		E				
						Fisca	ıl Yea	r 2008	3									Fisca	al Ye	ar 20	09									
									Calen	dar Y	ear 20	800									Caler	ndar	Year	2009						
	F		Т	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	0 C	N 0	D E	J A	F E	M A	A P	M A	J U	J U	A U	Ε .	B A
Item HX06	Y	_		L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G		L
HXU6		MC MC	0.00												-		<u> </u>										\longrightarrow			.00
		MC	0.00								1						1										\longrightarrow			.00
		MC	4.00				Α											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	
	1	1				Fisca	l Yea	r 2010)	<u> </u>	1	I			1	1	1	Fisca												
									Calen	dar Y	ear 20	010										ndar	Year	2011						
		S		D	В	0	N	D	J	F	М	A	М	J	J	A	S	0	N	D	J	F	М	A	М	J	J	A		В
	F	V		E	A	C	O V	E	A	E	A	P	A	U	U	U	E	C	O V	E	A	E	A	P	A	U	U	U		A
HX06	Y	MC	0.00	0.00	0.00	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R	R	Y	N	ь	G	P .	.00
imoo	05		0.00	_	_		1				1	1		 	1	1				-			 	 			$\overline{}$	\rightarrow		.00
	06	_	0.00								1																			.00
		MC															1													###
•		•						30-1	47100		1					1		181					·					Exhi	bit P-	-2-

30-147100 Exhibit P-21
BLIN: 147100 PAGE 5 OF 5 Production Schedule

Exhibit P-40, Budget	Item d	Justifica	ation				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunitio		-			P-1 Item I (147300) Z		re: ALL TYPES				
Program Element for Code	B Items	5:		Other Relate	ed Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	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 2	2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	ID Code: A	P-1 Line It (147300) AF										
	1	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		

Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marin Corps/2/Ammunition	A		Item Nome	_				FEBRUARY	2005			
		(· · · ·)		enclature: 7, ALL TYPE	S							
		FY04			FY05			FY06			FY07	
NBS 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 ATTENTUATING				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
L55MM 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
L55MM 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		1	31.810			42.398		

Exhibit P-5a, Procurement History and Pl	anning	Weapon S	ystem			Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Seria Procurement of Ammunition, Navy and Mari		2/Ammunit	ion			Item Nomenclature: ARTILLERY, ALL TYPES					
WBS COST ELEMENTS	Qty	Unit Cost	Locati	on 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	
											ļ
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		PICATINNEY, NJ		KNOX CTY ASSOC. VINCENNES, IN	OCT 04	DEC 04	MAR 06	YES	
FY 2006	1,678	40.52		PICATINNEY, NJ		KNOX CTY ASSOC. VINCENNES, IN	UNKNOWN	DEC 05	MAR 07	YES	1
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 Histor Planning	ry and	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity Procurement of Ammunition, Navy	*		Ammunition		Item Nomenclature: ARTILLERY, ALL TYPES					
MDG GOOD BY DIGINATE	0.1	The state of the	T	Contract Method and		RFP Issue	Date of the second	Date of First	Tech Data Available	Date Revisions
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Type	Contractor and Location	Date	Award Date	Delivery	Now?	Available
PROJ, 155MM HE M107 (DODIC D544)							1			
LAP, PROJ, 155MM M107	F0 670	00.06	THE DOOR TOLDED TO	G (PPP	AMERICAN ORDNANCE, MIDDLETON, IA	0.0m 0.3	W3D 04	143 D. O.F.	IID0	
FY 2004 FY 2005	59,670 45,317	82.96 71.32	JMC, ROCK ISLAND, IL	C/FFP C/FFP	AMERICAN ORDNANCE, MIDDLETON, IA AMERICAN ORDNANCE, MIDDLETON, IA	OCT 03	MAR 04 MAR 05	MAR 05 MAR 06	YES YES	
FY 2006	37,203	113.11	JMC, ROCK ISLAND, IL JMC, ROCK ISLAND, IL	C/FFP	AMERICAN ORDNANCE, MIDDLETON, IA	OCT 04 UNKNOWN	MAR 05	MAR 06	YES	
FY 2007	31,553	154.79	JMC, ROCK ISLAND, IL	C/FFP	AMERICAN ORDNANCE, MIDDLETON, IA	UNKNOWN	MAR 07	MAR 08	YES	
F1 2007	31,333	134.79	UMC, ROCK ISHAND, II	C/FFF	AMERICAN ORDINANCE, MIDDEION, IA	UNKINOWIN	MARC 07	MAR UU	163	
*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	
										ļ
PROJ M107 MPTS										1
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	
DEGLATM OD E/GUDI GWADGO	-					-	-	-		
RECLAIM OP F/SUPL CHARGE	60 403	6 10	TMG DOGW TGLAND TT	O / PRP	MODE AND MODERCHED OF	OGT 03	MAD 04	MAD 05	VEC	
FY 2004	60,483	6.18		C/FFP	MCAL AAP, MCALESTER, OK	OCT 03	MAR 04	MAR 05	YES	
FY 2005 FY 2006	45,934 37,710	5.31 8.43	JMC, ROCK ISLAND, IL JMC, ROCK ISLAND, IL	C/FFP C/FFP	MCAL AAP, MCALESTER, OK MCAL AAP, MCALESTER, OK	OCT 04 UNKNOWN	MAR 05 MAR 06	MAR 06	YES YES	
FY 2006 FY 2007	37,710	11.54	JMC, ROCK ISLAND, IL	C/FFP C/FFP	MCAL AAP, MCALESTER, OK MCAL AAP, MCALESTER, OK	UNKNOWN	MAR 06	MAR 07	YES	
FI 200/	31,983	11.54	UMC, KUCK ISLAND, IL	C/FFP	MCAL AAP, MCALESTER, OK	UNKNOWN	MAK U/	MAK U8	YES	
		l		l	<u> </u>		1	1	l .	1

NES COST BLEMENTS (DAY DATE COME Lecelion of PCO Pype Contractor and Location Date Name Date (Pitt Nove Name Date (Pitt) Name Date (Pitt) Name Date (P	Exhibit P-5a, Procurement Histor Planning	ry and	Weapon S	ystem		Date: FEBRUARY 2005					
### CONT FLEMENTS Q1y				2/Ammunition			1	T	1	1	1
NO. 1558M NF BILDAZ (COURT D550)					Method and				First	Available	Date Revisions
19.5 19.00 15.00 11.00 1.00		Qty	Unit Cost	Location of PCO	Type	Contractor and Location	Date	Award Date	Delivery	Now?	Available
## 2005 3,516 274.28 MPC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 05 NOV 06 YES ## 2007 6,719 287.37 SMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES ## 2007 6,719 287.37 SMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES ## 2008 798 23.34 SMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES ## 2008 798 2.34 SMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES ## 2008 798 2.34 SMC, ROCK ISLAND, IL C/FFP OOVT FURNISHED NATERIAL UNKNOWN MAR 06 NOV 07 YES ## 2007 1,521 1,31 MPC, ROCK ISLAND, IL C/FFP OOVT FURNISHED NATERIAL UNKNOWN MAR 07 NOV 08 YES ## 2007 1,521 1,31 MPC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES ## 2008 3,531 60.74 MPC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES ## 2009 5,651 63.09 MPC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES ## 2009 6,871 63.55 SMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES ## 2009 5,512 93.64 MPC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES ## 2009 5,712 93.64 MPC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES ## 2009 5,712 93.66 MPC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES ## 2009 5,512 94.66 MPC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES ## 2009 6,871 7.12 SMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES ## 2009 6,871 7.12 SMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES ## 2009 6,871 7.12 SMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES ## 2009 6,871 7.12 SMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES ## 2009 6,871 7.12 SMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES ## 200											
## 2006 5,530 284.81 NPC, NOCK ISLAND, IL C/FFP UNKNOWN MAR. 06 NOV 07 YES ## 2007 6,720 287.17 ONC, NOCK ISLAND, IL C/FFP UNKNOWN CONSIDENT NAME 07 NOV 08 YES ## 2008 795 2.34 ONC, NOCK ISLAND, IL C/FFP COVIT FURNISHED NATERIAL UNKNOWN NAME 07 NOV 08 YES ## 2008 1,250 1.66 ONC, NOCK ISLAND, IL C/FFP COVIT FURNISHED NATERIAL UNKNOWN NAME 07 NOV 08 YES ## 2008 1,250 1.51 NMC, NOCK ISLAND, IL C/FFP COVIT FURNISHED NATERIAL UNKNOWN NAME 07 NOV 08 YES ## 2008 1,250 1.51 NMC, NOCK ISLAND, IL C/FFP UNKNOWN COVIT FURNISHED NATERIAL UNKNOWN NAME 07 NOV 08 YES ## 2008 3,593 60.74 ONC, NOCK ISLAND, IL C/FFP UNKNOWN COVIT FURNISHED NATERIAL ## 2008 5,651 63.05 NMC, NOCK ISLAND, IL C/FFP UNKNOWN COVIT FURNISHED NATERIAL ## 2008 5,651 63.05 NMC, NOCK ISLAND, IL C/FFP UNKNOWN COVIT FURNISHED NATERIAL ## 2008 5,651 63.05 NMC, NOCK ISLAND, IL C/FFP UNKNOWN CONSIDER ## 2008 5,651 63.05 NMC, NOCK ISLAND, IL C/FFP UNKNOWN CONSIDER ## 2008 5,122 93.84 NMC, NOCK ISLAND, IL C/FFP UNKNOWN COVEN NAME 05 NOV 06 YES ## 2009 5,122 93.84 NMC, NOCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAME 06 NOV 07 YES ## 2009 5,122 93.84 NMC, NOCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAME 06 NOV 07 YES ## 2009 6,876 6.85 NMC, NOCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAME 07 NOV 08 YES ## 2009 6,876 6.85 NMC, NOCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAME 06 NOV 07 YES ## 2009 6,876 6.85 NMC, NOCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAME 06 NOV 07 YES ## 2009 1,162 7,12 NMC, NOCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAME 06 NOV 07 YES ## 2009 3,632 NMC, NOCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAME 06 NOV 07 YES ## 2009 3,632 NMC, NOCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAME 06 NOV 07 YES ## 2009 3,632 NMC, NOCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAME 06					- /		01				
### 2007 6,700 287,39 3MC, NOCK ISLAND, IL C/FFF OUT FURNISHED MATRIAL TYZ 2008 798 2.34 1MC, NOCK ISLAND, IL C/FFF OUT FURNISHED MATRIAL OCT 04 MAR 05 NOV 06 YES 1,201 1,201 1,301 1,301 1,311 1MC, NOCK ISLAND, IL C/FFF OUT FURNISHED MATRIAL UNKNOWN MAR 05 NOV 06 YES YZ 2007 1,201 1,311 1MC, NOCK ISLAND, IL C/FFF OUT FURNISHED MATRIAL UNKNOWN MAR 07 NOV 08 YES YZ 2007 1,321 1,311 MC, NOCK ISLAND, IL C/FFF OUT FURNISHED MATRIAL UNKNOWN MAR 07 NOV 08 YES YZ 2007 AND 07 MAR 07 NOV 08 YES YZ 2008 3,593 60.74 MAR 00 MAR 07 NOV 08 YES YZ 2007 6,877 63.85 MC, NOCK ISLAND, IL C/FFF UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN MAR 07 NOV 08 YES YZ 2007 6,871 6,873 0,804 MC, NOCK ISLAND, IL C/FFF UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN MAR 07 NOV 08 YES YZ 2007 6,871 0,804 MAR 07 NOV 08 YES YZ 2007 6,871 0,804 MAR 07 NOV 08 YES YZ 2007 MAR 08 MAR 08 NOV 06 YES WES YZ 2007 MAR 08 MAR 08 NOV 06 YES WES YZ 2007 MAR 08 MAR 08 NOV 06 YES WES YZ 2007 MAR 08 MAR 08 NOV 06 YES WES YZ 2007 MAR 08 MAR 08 NOV 08 YES WES WES WES WES WES WES WES									1		
TY 2005											
## 2005 795 2.16 DMC, ROCK ISLAND, IL C/FFP GOVF PURNISHED MATERIAL OCT 04 MAR 05 NOV 06 YES ## 2006 1.250 1.60 JMC, ROCK ISLAND, IL C/FFP GOVF FURNISHED MATERIAL URRINON NAR 06 NOV 07 YES ## 2007 1.521 1.31 JMC, ROCK ISLAND, IL C/FFP GOVF FURNISHED MATERIAL URRINON NAR 06 NOV 07 YES ## 2007 1.521 1.31 JMC, ROCK ISLAND, IL C/FFP GOVF FURNISHED MATERIAL URRINON NAR 06 NOV 07 YES ## 2008 3.593 60.74 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAR 05 NOV 06 YES ## 2006 5.651 63.00 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAR 06 NOV 07 YES ## 2007 6.877 63.55 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAR 06 NOV 07 YES ## 2006 5.712 93.48 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAR 06 NOV 07 YES ## 2006 5.712 93.48 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAR 06 NOV 07 YES ## 2006 5.712 93.48 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAR 06 NOV 07 YES ## 2006 5.712 93.48 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAR 06 NOV 07 YES ## 2006 5.712 93.68 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAR 06 NOV 07 YES ## 2006 5.712 93.68 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAR 06 NOV 07 YES ## 2006 5.712 7.22 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAR 06 NOV 07 YES ## 2006 5.712 7.22 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAR 06 NOV 07 YES ## 2006 5.712 7.22 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAR 06 NOV 07 YES ## 2006 5.712 7.83 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAR 06 NOV 07 YES ## 2006 5.712 7.72 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAR 06 NOV 07 YES ## 2006 5.712 7.75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAR 06 NOV 07 YES ## 2006 5.751 7.79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAR 07 NOV 08 YES ## 2006 5.752 7.75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAR 06 NOV 07 YES ## 2006 5.752 7.755 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN NAR 06 NO	FY 2007	6,730	287.37	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 07	NOV 08	YES	
## 2005 795 2.14 UNC, ROCK ISLAND, IL C/FFP GOVF PURNISHED MATERIAL OCT 04 MAR 05 NOV 06 YES ## 2006 1.250 1.50 JMC, ROCK ISLAND, IL C/FFP GOVF PURNISHED MATERIAL UNRIXONN MAR 06 NOV 07 YES ## 2007 1.521 1.31 JMC, ROCK ISLAND, IL C/FFP GOVF PURNISHED MATERIAL UNRIXONN MAR 06 NOV 07 YES ## 2008 3.593 60.74 JMC, ROCK ISLAND, IL C/FFP UNRIXONN UNRIXONN MAR 07 NOV 08 YES ## 2006 5.651 63.00 JMC, ROCK ISLAND, IL C/FFP UNRIXONN UNRIXONN MAR 05 NOV 06 YES ## 2007 6.877 63.55 JMC, ROCK ISLAND, IL C/FFP UNRIXONN UNRIXONN MAR 07 NOV 08 YES ## 2006 5.651 7.22 JMC, ROCK ISLAND, IL C/FFP UNRIXONN UNRIXONN MAR 07 NOV 08 YES ## 2006 5.712 93.44 JMC, ROCK ISLAND, IL C/FFP UNRIXONN UNRIXONN MAR 07 NOV 08 YES ## 2006 5.712 93.44 JMC, ROCK ISLAND, IL C/FFP UNRIXONN UNRIXONN MAR 06 NOV 07 YES ## 2006 5.712 93.44 JMC, ROCK ISLAND, IL C/FFP UNRIXONN UNRIXONN MAR 06 NOV 07 YES ## 2006 5.712 93.44 JMC, ROCK ISLAND, IL C/FFP UNRIXONN UNRIXONN MAR 07 NOV 08 YES ## 2006 5.712 93.44 JMC, ROCK ISLAND, IL C/FFP UNRIXONN UNRIXONN MAR 07 NOV 08 YES ## 2006 5.712 93.64 JMC, ROCK ISLAND, IL C/FFP UNRIXONN UNRIXONN MAR 07 NOV 08 YES ## 2006 5.712 7.22 JMC, ROCK ISLAND, IL C/FFP UNRIXONN UNRIXONN MAR 07 NOV 08 YES ## 2006 10.815 7.12 JMC, ROCK ISLAND, IL C/FFP UNRIXONN UNRIXONN MAR 07 NOV 08 YES ## 2006 5.712 1.75 JMC, ROCK ISLAND, IL C/FFP UNRIXONN UNRIXONN MAR 07 NOV 08 YES ## 2007 6.851 7.72 JMC, ROCK ISLAND, IL C/FFP UNRIXONN UNRIXONN MAR 07 NOV 08 YES ## 2006 5.712 1.75 JMC, ROCK ISLAND, IL C/FFP UNRIXONN UNRIXONN MAR 07 NOV 08 YES ## 2007 6.851 7.79 JMC, ROCK ISLAND, IL C/FFP UNRIXONN UNRIXONN MAR 07 NOV 08 YES ## 2006 5.651 7.79 JMC, ROCK ISLAND, IL C/FFP UNRIXONN UNRIXONN MAR 06 NOV 07 YES ## 2007 6.857 7.85 JMC, ROCK ISLAND, IL C/FFP UNRIXONN UNRIXONN MAR 06 NO	*TNT TYPE I FLAKE (LB)										
YE 2007 1,521 1.31 3MC, ROCK ISLAND, IL C/FFP GOVT FURNISHED MATERIAL UNENDONN MAR 07 NOV 08 VES		795	2.34	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	OCT 04	MAR 05	NOV 06	YES	
CASING BSTR (EA) 72 2005 3,593 60.74 JMC, ROCK ISLAND, IL C/FFP UNKNOWN OCT 04 MAR 05 NOV 06 YES PY 2006 5,651 63.00 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 05 NOV 06 YES PY 2007 6,877 6,877 63.59 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 05 NOV 08 YES CUG BSTR M54A1 ASSY (EA) PY 2006 5,712 93.84 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 05 NOV 06 YES PY 2007 6,951 94.66 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES PY 2007 6,951 94.66 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES CYCLOTOL 75/25 TYPE 1 PY 2005 6,876 6,876 6,876 6,88 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES PY 2006 10,815 7,12 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 05 NOV 06 YES PY 2006 13,162 7,22 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES PY 2006 5,712 13,162 7,22 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES PY 2006 5,712 1,75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES PY 2006 5,712 1,75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES PY 2006 5,712 1,75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES PY 2006 5,712 1,75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES PY 2006 5,712 1,75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES PY 2006 5,712 1,75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES PY 2006 5,651 7,79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES PY 2006 5,651 7,79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 05 NOV 06 YES PY 2006 5,651 7,79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 05 NOV 06 YES PY 2006 5,651 7,79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES PY 2006 5,651 7,99 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES PY 2006 5,651 7,99 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES PY 2006 5,651 7,99 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES	FY 2006	1,250	1.60	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	UNKNOWN	MAR 06	NOV 07	YES	
PY 2005 3,593 60.74 JMC, ROCK ISLAND, IL C/FFP URKNOWN OCT 04 MAR 05 NOV 06 YES PY 2006 5,651 63.00 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PX 2007 6,877 63.55 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 3,632 90.44 JMC, ROCK ISLAND, IL C/FFP URKNOWN OCT 04 MAR 05 NOV 06 YES PY 2006 5,651 94.66 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2007 6,951 94.66 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 95.712 93.84 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2007 6,951 94.66 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2005 6,876 6.85 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 10,815 7.12 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 05 NOV 06 YES PY 2007 13,162 7.22 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2007 13,162 7.22 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5,712 1.75 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.7,712 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.7,712 1.76 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.7,712 1.76 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.7,712 1.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PY 2006 5.6,81 2.8,81 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PY 2006 5.6,81 2.8,81 J	FY 2007	1,521	1.31	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	UNKNOWN	MAR 07	NOV 08	YES	
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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							 				
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	FY 2006 FY 2007	3,877	295.17		C/FFP	UNKNOWN	UNKNOWN	MAR 05	NOV 07	YES	
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Exhibit P-5a, Procurement Histor	ry and	Weapon S	ystem		Date:					
Planning					FEBRUARY 2005					
Appropriation Code/Budget Activ				P-1 Line	Item Nomenclature:					
Procurement of Ammunition, Navy	and Marin	e Corps/	2/Ammunition	(147300)	ARTILLERY, ALL TYPES					
WBS COST ELEMENTS	Qty	Iinit 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)	Qcy	OHIE COSE	location of Feo	11100	contractor and nocation	Date	Award Date	Delivery	IVOW:	Availabic
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, Prod	duction Schedule	е												Date FEBI		Y 200	05													
Appropriation Code Procurement of Amm						2/Am	muni	tior		Wea	pon	Syst	em					-			encla 155MN			RAN	GE M	795				
									PRO	DUCT	ION F	RATE					P	ROCUR	EMENT	LEAI	TIMES	5								
Item			Manufa Locati		er's N	ame a	ınd	М	SR	EC	CON	M	ΑX	ALT Oct			ALT Oct			Inti	tial 1	Mfg	Reor PLT	der M	Mfg	Tota	1	Unit Meas		
D529					n Ordr leton,		,	0	.7		8	2	18		3			3			15			15		1	.8		K	
						Fisc	al Ye	ear 2	004									Fisc	al Ye	ar 20	05					1				
									Cale	ndar	Year	2004									Caler	dar	Year	2005	5					
	F	S V	Q T	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J	A U	S E	0	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	B A
Item	Y	С	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
D529	04	MC	49.7	0.0	49.7			A															4.1	4.1	4.1	4.1	4.1	1 4.1	4.1	21.0
	05	MC	37.7	0.0	37.7															A								<u> </u> !	$\vdash \vdash$	37.
	06	MC	13.8	0.0	13.8																							<u> </u>	—	13.
	07	MC	20.8	0.0	20.8																								ш	20.8
						Fisc	al Ye	ear 2	1									Fisc	al Ye											
			1	1	1	1	1	1	Cale	ndar	Year	2006	· · ·		1		1			1	Caler	ndar	Year	2007	,		ı			
Item	F	S V C	Q T Y	D E L	B A L	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	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		49.7		21.0	4.1				4.6	IC	10		14		- 0			V		IN		10	10		14	ш			0.0
	05		37.7		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		13.8		13.8			A															1.2	1.2	1.2	1.2	1.2	2 1.2	1.2	5
	07		20.8		20.8															A							<u> </u>	1		20.8
L	07	1.10	20.0	0.0	20.0	l	1	1	1	1	1	·	l	1	1	1	1	1					·	1	1	1	1	لــــــــــــــــــــــــــــــــــــــ		20.0

Exhibit P-21, Production Schedule													Date FEBI	e: RUARY	200	05													
Appropriation Code/Budget Activity Procurement of Ammunition, Navy an			2/Ammu	niti	on				Wear	on S	Syste	em					DDIC D529						RANGE	Е М79	15				
								PRO	DUCT	ION R	ATE					I	PROCUI	REMEN'	T LEA	DTIME	ES								
Item		Manuf Locat	acture: ion	r's Na	ame a	nd	М	SR	EC	ON	M.	AX	ALT Oct	Prior 1	to	ALT Oct	After 1		Intit PLT	tial	Mfg	Reor	der M	lfg	Tota	1	Unit Measu		
D529		A	mericar Middl			,	0	.7		8	2	8.8		3			3			15			15		1	.8		K	
		I			Fisca	al Ye	ar 20	08	<u> </u>				<u> </u>				Fisc	al Ye	ar 20	09		<u> </u>							
								Cale	ndar	Year	2008										ndar	Year	2009						
Thom	F V Y C	Q T Y	D E L	B A	0 C T	N O V	D E	J A	F E	M A R	A P	M A Y	J U	J U	A U G	S E P	0 C T	N 0	D E C	J A N	F E	M A	A P	M A	J U N	J U	A U	SE	B A
Item D529	Y C	49.7	ь 49.7	0.0	1	V	С	N	В	K	R	Y	N	L	G	Р	T	V	Ċ	N	В	R	R	Y	IN	L	G	P	0.0
D329	05 MC	37.7	51.2	0.0																									0.0
	06 MC	13.8	8.4		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
					Fisca	al Ye	ar 20	10									Fisc	al Ye	ar 20	11									
								Cale	ndar	Year	2010									Cale	ndar	Year	2011						
		Q	D	В	0	N	D	J	F	М	A	М	J	J	A	S	0	N	D	J	F	M	A	М	J	J	A	S	В
	F V	Т	E	A	C	0	E	A	E	A	P	A	U	U	U	E	С	0	E	A	E	A	P	A	U	U	U	E	A
Item	Y C	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	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							<u> </u>					1											igspace		0.0
	07 MC	20.8	20.8	0.0																									0.0

Exhibit P-21, Production Sch															RUAR	Y 200														
Appropriation Code/Budget Ac Procurement of Ammunition, N							muni	Ltior		Wear	on S	Syste	em			e Ite) DOI								.07						
									PRO	DUCT	ION R	ATE					P	ROCUR	EMENT	LEAI	TIMES	5								
Item			Manufa Locati	ion				M	SR	EC	ON!	MZ		ALT 1		to	ALT A	After 1	to	Inti PLT	tial :	Mfg	Reore	der M	lfg	Tota	1	Unit Meası		
D544			An	merica Middl			,	8	.6	2	15	42	.3		6			6			12			12		1	.8		K	
			1			Fisc	al Ye	ar 20	004	1							1	Fisca	ıl Yea	r 20	05									
									Cale	ndar	Year	2004						ı			Caler	ndar	Year	2005						
Thomas	F Y	S V C	Q T	D E	B A	0 C T	N O V	D E	J A N	F E B	M A	A P	M A	J U	J U	A U	S E P	0 C T	N O V	D E C	J A N	F E B	M A	A P	M A	J U	J U	A U G	S E P	B A
Item D544	04	MC	Y 50.7	L 0.0	L 59.7	T	V	С	IN	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R 5.0	R 5.0	Y 5.0	N 5.0	L 5.0			L
D244	05	MC MC	59.7 45.3	0.0	45.3						A												5.0 A	5.0	5.0	5.0	5.0	5.0	5.0	24.7 45.3
	06	MC	37.2	0.0	37.2																		A							37.2
	07	MC	31.6	0.0	31.6																									31.6
						Fisc	al Ye	ar 20	1									Fisca	l Yea		1									
	1	1	1		1	1	1	1			Year					1		1 1			Cale			1	1	1	1	1		1
		S	Q —	D	В	0	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	M	A	M	J	J	A	S	В
Thom	F Y	V C	T Y	E L	A L	C T	0 V	E	A N	E B	A R	P R	A Y	U	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U	U	U G	E P	A L
Item D544	04	MC	Y 59.7	ъ 35.0	24.7		1		5.0		Ж	ĸ	1	N	Ь	G	P	1	V	Ċ	IN	В	K	K	ĭ	IN	П	G	P	0.0
2511	05	MC	45.3	0.0	45.3		3.0	5.0	5.0	7.7	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.	3.0	3.0	5.0	3.0	3.0	3.0	3.0	5.0	3.0	3.0	5.5	3.1	3.1	3.1	3.1	3.1	3.1	3.1	
	07	MC	31.6	0.0	31.6		Ì																A			- /-		<u> </u>		31.6

Exhibit P-21, Production Schedule														Date FEB		Y 200)5													
Appropriation Code/Budget Activity Procurement of Ammunition, Navy as				Ammur	nitic	n				Wear	on i	Syst	em			e Ite) DOI								7						
									PRO	ODUCT	ION R	ATE					P	ROCUF	REMENT	LEAI	TIME	S								
Item			Manufa Locati	on				M	SR	EC	ON.	М		ALT Oct	Prior 1	to	ALT A		to	Inti PLT	tial	Mfg	Reor PLT	der N	Mfg	Tota		Unit Meası		
D544				mericar Middl			,	8	.6	2	15	42	2.3		6			6			12			12		1	.8		K	
						Fisc	al Ye	ear 20	008									Fisca	al Yea	ar 20	09									
										ndar						1							Year							
Item	F	S V C	Q T Y	D E L	B A L	O C T	0 V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	T T	A U G	S E P	О С Т	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J L	A U G	S E P	B A L
D544	04		59.7	24.				Ŭ					_			Ü	_		•						_			Ü		0.0
2011	05	1 1	45.3	45.3																										0.0
	06		37.2	21.7			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
																													ı	
						Fisc	al Ye	ar 20	10									Fisca	al Yea	ar 20	11									
									Cale	ndar	Year	2010									Cale	ndar	Year	2011						
			Q	D	В	0	N	D	J	F	М	A	М	J	J	A	S	0	N	D	J	F	М	A	М	J	J	A	S	В
	F	s V	T	E	A	C	0	E	A	E	A	P	A	U	U	U	E	C	0	E	A	E	A	P	A	U	U	U	E	A
Item	У	C	Y	L	L	Т	V	C	N	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R	R	Y	N	L	G	P	L
D544	04		59.7	24.7			ļ			ļ												ļ								0.0
	05	1 1	45.3	45.3	0.0																		1							0.0
	06		37.2	37.2																										0.0
	07	MC	31.6	31.6	0.0																									0.0

Exhibit P-21, Prod	uction Schedu	le												Date FEB		Y 20	05													
Appropriation Code Procurement of Amm							nmuni	itio	n	Wear	on i	Syst	em	P-1	Lin	e It	em D							10A2	2					
									PRO	ODUCT:	ION R	ATE					F	ROCUR	EMENT	LEAD	TIMES	3								
Item	O																													
D550															K															
			II			Fisc	al Ye	ar 2	004	1		l					1	Fisca	al Yea	r 200	05							l		
									Cale	ndar	Year	2004									Cale	ndar	Year	2005						
Item		v	Т	E	A	C	0	E	A	E	A	P	A	U	U	U	E	С	0	E	A	E	A	P	A	U	U	U	S E P	B A L
D550							1		11		- 10	10	_	14				_	•				10	10	-	-14		-		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
																														ļ
						Pi aa	al Ye	2000	006									Pi cc	al Yea	~ 201	77									<u> </u>
						FISC	ar re	ar z		ndar	Year	2006						FISC	11 166		Cale	ndar	Year	2007						
		S	Q	D	В	0	N	D	J	F	М	А	М	J	J	А	S	0	N	D	J	F	М	A	М	J	J	А	S	В
	F	v	Т	E	A	С	0	E	A	E	A	P	A	U	U	U	E	С	0	E	A	E	А	P	A	U	U	U	E	A
Item	Y	С	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
D550	04	MC	0.00	0.00	0.00																									0.00
	05	MC	3.52	0.00	3.52		1		1										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		1		1		A																			5.53
	07	MC	6.73	0.00	6.73																		A							6.73

Exhibit P-21, Production Sch															RUAR	Y 200														
Appropriation Code/Budget Ac Procurement of Ammunition, N							muni	tior		Wear	oon i	Syst	em					DDIC D55						10A2	2					
			_						PRO	DDUCT:	ION R	ATE					P	ROCUR	EMENT	LEAD	TIMES	5								
Item			Manufa Locati		r's N	ame a	nd	M	SR	EC	CON	M		ALT :		to	ALT A	After 1	to	Inti	tial 1	Mfg	Reor PLT	der M	lfg	Tota	1	Unit Meası		
D550			Pine	Bluff	, Ars	enal,	, AR	;	8	1	.3	3	0		6			6			20			20		2	26		K	
						Fisc	al Ye	ar 20	008									Fisca	ıl Yea	ar 200	09									
									Cale	ndar	Year	2008									Caler	ndar	Year	2009						
Th	F Y	S V C	Q T	D E L	B A	0 C T	N O V	D E	J A N	F E B	M A	A P	M A	J U	J	A U	S E P	0 C T	N O V	D E C	J A	FE	M A	A P	M A	J U	J	A U G	SE	B A
Item D550	04	MC C	Y 0.00		0.00		V	С	N	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R	R	Y	N	L	G	P	0.00
D550	05	MC	3.52																											0.00
	06	MC	5.53		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
																														<u> </u>
																														<u> </u>
						Fisc	al Ye	ar 20										Fisca	l Yea											
		ı		1	1	1	1			ndar			1	I	1	1		I I			Caler				1	I	1	1	1	_
		S	Q	D	В	0	N	D	J	F	M	A	M	J	J	A	S	0	N	D _	J	F	M	A	M	J	J	A	S	В
Th am	F Y	V C	T Y	E L	A	C T	0 V	E C	A N	E B	A	P	A Y	U	U	U	E	C T	0 V	E C	A N	E B	A	P	A Y	U	U	U G	E P	A
Item D550	04	MC C	0.00	0.00	L 0.00		V	C	IN	В	R	R	Y	N	L	G	P	T	V	Ċ	IN	В	R	R	Y	N	Ъ	G	P	0.00
	05	MC	3.52	3.52																										0.00
	06	MC	5.53																											0.00
	07	MC	6.73																											0.00

Exhibit P-21, Production Sc	hedule												-	te: BRU	ARY	20	05												
Appropriation Code/Budget A Procurement of Ammunition,				mmur	iti	on			Wea:	pon	Sys	tem															HG S	SYS	M231
								PRC	DUCT	ION	RATE]	PRO	CURE	MEN'	T LE	ADT	IME	S							
Item				cture		.on	MS	SR	EC	ON	M	ΑX					Aft Oct		Int Mfg				orde g PL		Tot	al	Uni Mea		
DA12		Al		CAN OR		Ε,		1	1	2	5	0		10			10			20			20		3	30]	K
					Fis	cal	Yea	r 20	04				•				Fisc	al	Yea	r 20	005	•							
								-		r Ye												lar							
Item	F V Y C	Q T Y	D E L	B A L	0 C T	N 0 V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J L	A U G	S E P	0 C T	N 0	D E C	J A N	F E B	А	P	M A Y	J U N	J U L	A U G	S E P	B A L
DA12	04 MC		L 0.0	1										A															73.1
	05 MC	187	7 0	187	7																					A			187
	06 MC	57.5	0.0	57.5	5																								57.5
	07 MC	73.1	0.0	73.2	L																								73.1
																													ļ
																						-							1
														<u> </u>								<u> </u>	<u> </u>	<u> </u>					
					Fis	cal	Yea	1									Fisc	al	Yea										
			Б	В	0	N	D		enda F	r Ye			J	J	7	<u> </u>	0	N	D		F	dar		r 20	J	J	70	S	В
	S	Q	D E	A	C	O	E	J A	F E	M A	A P	M A	U		A U	S E	0	N O	E	J A	E				U	U	A U	S E	B A
Item	F V Y C		L	L	Т	V	C		В	R	R	Y	N	L	G	E P	Т	V		N	В			Y		L	G	P P	L
DA12	04 MC		1 0.0		1					6.1	6.1	6.1	1			6.1	6.1							† <u>-</u>		_	_	_	0.0
	05 MC	187		187																		16	1	5 16	16	16	16	16	75.0
	06 MC	57.5	5 0.0	57.5	5									А															57.5
	07 MC	73.3	0.0	73.1	L																					А			73.1

Exhibit P-21, Production Schedule															te:															
																ARY														
Appropriation Code/Budget Activity/Seria										Wea	pon	Sys	tem																	-004
Procurement of Ammunition, Navy and Mari	.ne	Coı	rps/	2/Am	mun:	ltic	on							(1	473	00)	DC	DDIC	: :	DAI	2,	15	5MM	МО	D A	RTY	CHO	3 SY	S M	1231
									PRO	DUCT	'ION	RATE					PRO	CURE	MEN	T LI	EADT	CIM	ES							
				facti		s Na	ıme									ior.							Rec			L .	,	Unit		
Item				Locat		NAMOR		M	SR	EC	ON	M	AX	to	Oct	1	to	Oct	Ι	Mfg	PL'I	l'	Mfg	l PL	ľ	Tot	a⊥	Meas	sure	
DA12			Al	MIDDI			,	:	1	1	.2	5	0		10			10			20			20		3	80		K	
						1																								
						Fis	cal	Year	200	8								Fisc	al	Yea	r 20	009								
											Yea												lar							
	_	S	Q T	D E	B A	0	N O	D E	J A	F E	M	A P	M A	J	J	A U	S E	O C	N O	D E	J A	F E		A P	M A	J	J	A U	S E	B A
Item	F Y	V C	Y	L	L	Т	V	C	N	В	A R	R	Y	N	L	G	E P	Т	V	C	N			R	Y	N	L	G	P	L
DA12	04	MC	73.1	73.1	0.0																									0.0
	05	MC	187	133	54	16	16	11																						0.0
	06	MC	57.5	0.0	57.5						4.8	4.8	4.8	3 4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.	7							0
	07	MC	73.1	0.0	73.1																			6.	1 6.1	6.1	6.1	6.1	6.1	30.4
				ı		Fis	cal '	Year	201	.0								Fisc	al	Yea	r 20	011			ı					
									Cal	enda	. Yea	r 20	10								Cal	en	dar	Year	20	11				
			Q	D	В	0	N	D	J	F	М	А	М	J	J	А	S	0	N	D	J	F	М	А	М	J	J	А	S	В
	F	S V	Т	E	А	С	0	E	A	E	A	P	А	U	U	U	E	С	0	E	A	E	A	P	А	U	U	U	E	A
Item	Y	C	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
DA12	04	MC	73.1	73.1	0.0																									0.0
	05	MC	187	187	0																									0
	06	MC	57.5	57.5	0.0																									0.0
	07	MC	73.1	42.7	30.4	6.1	6.1	6.1	6.1	6.0																				0.0

Exhibit P-21, Production Sche														FEI	_	ARY	7 20												
Appropriation Code/Budget Act Procurement of Ammunition, Na				2 / Ar	nmun	itic	n			Weap	oon	Sys	tem		473													SYS	,
									PRO	ODUCI	CION	RATE	G				PRO	CURE	MEN	T LE	ADT	IME	S						
Item					turer d Loc		n	MS	R	EC	ON	М	AX							Int:				order g PL]		Tota		nit o easur	
DA13			AM		AN ORD		,	1		1	2	5	50		6			6			18		_	18		24	<u> </u>	K	ζ
			l			Fisc	al	Year	. 2	004								Fis	cal	Year	r 20	005							
						•			Ca]	Lenda	r Ye	ar 2	004								Cal	end	ar	Year	20	05			
	F	S V	Q T	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	0 C	N O	D E	J A	F E	M A	A P	M A		-	J E	A
Item	Y	С	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	Р	Т	V	С	N	В	R	R	Y	N	L (G P	
DA13	04	MC	0.0																						\vdash		+	_	0.0
	05	MC	98.2																				A		\vdash	\dashv	+	+	98.2
	06	MC MC	43.3		43.3																		-		H	\dashv	+	+	43.3 67.3
	07	MC	67.3	0.0	67.3																							+	67.3
																										\Box		I	
																										\dashv	_	_	
																										Ш	\perp		
						Fisc	al	Year										Fis	al	Year									
			1	1	1					Lenda												1	1	Year					
		S	Q T	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J	J U	A U	S E	0 C	N O	D E	J A	F E	M A	A P	M A			A S	
Item	F	V C	Y	L	L	Т	v	C	N	В	R	R	Y	N	L	G	P.	Т	V	C	N	В	R	R	Y			G P	
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																		А						67.3

Exhibit P-21, Production S	chedule													Dat FEE		RY	200	5												
Appropriation Code/Budget Procurement of Ammunition,					ımun:	itic	on			Wea	pon	Sys	tem														S SY	rs mi	232	
									PRO	DUCT	CION	RATE					PRO	CURE	MEN	T LE.	ADTI	MES								
Item			Manu and	factı Locat		s Na	ıme	MS	SR	EC	CON	M	AX		Pri Oct			Afte Oct 1		Inti Mfg			Reor PLT	rder	Mfg	Tot	al	Unit		
DA13			AM	MERICA CAM	N ORDI		,		1	1	.2	5	50		6			6			18			18		2	24		K	
						Fis	cal	Year	200	08								Fisc	al '	Year	200	9						<u> </u>		
									Cale	endar	r Yea	r 20	08								Cale	nda	r Ye	ar 2	009					
	F	S V	Q T	D E	B A	0 0	0	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	0	0	D E	J A	F E	M A	A P	M A	J U	J U	A U	S	B A
DA13	Y	С	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	Р	Т	V	С	N	В	R	R	Y	N	L	G	P	L
DAI3		MC MC	98.2																									\vdash	+	0.0
	06	MC	43.3				3 6	3 6	3.6	3.6	3.6	3.6	3.6	3 6	3.6	2 7												+		0.0
	07		67.3		67.3		3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.7	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
	<u> </u>	110	07.5	0.0	07.5												3.0	3.0	5.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3		
																														
						Fis	cal	Year	201	LO								Fisc	al '	Year	201	1								
									Cale	endar	r Yea	r 20	10								Cale	nda	r Ye	ar 2	011					
		S	Q	D	В	0	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	M	A	M	J	J	A	S	В
Item	F	V C	T Y	E L	A L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	A L
DA13	04	MC	0.0	0.0	0.0																				1					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 .	Justifica	ation				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunition		-			P-1 Item 1 (147500)			NG VEHICLE			
Program Element for Code	B Items	s:		Other Relat	ed Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	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.

32-147500 1 of 2

Exhibit P-40a, Budget Item Jus	tificati	on for A	ggregate	ed Items					Date: FEBRUARY	2005	
Appropriation Code/Budget Activity/Se Procurement of Ammunition, Navy and D	erial Numb Marine Cor	er: ps/2/Ammu	nition			Nomenclati EXPEDITION		ING VEHIC	LE		
	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)	А	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						
P-40a Total		0.000	2.464	5.738	9.504						
r-10a 10ta1		0.000	4.404	5.730	9.304		<u> </u>	<u> </u>			

Exhibit P-40, Budget	Item	Justific	ation				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunitio		-				Nomenclatu DEMOLITION		, ALL TYPES	5		
Program Element for Code	B Item	s:		Other Relate	ed Program	n 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 Perfomance 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 Justifica	tion			Date:				
				FEBRUARY	2005			
Appropriation Code/Budget Activity/Serial	Number:	P-1 Item	Nomencl	ature:				
Procurement of Ammunition, Navy and Marine		(150000)	DEMOLIT	ION MUNITI	ONS, ALL T	YPES		
Program Element for Code B Items:	Other Re	lated Pro	ogram Ele	ements				
							То	Total
ID Code FY2004 FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	Complete	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 Ju	stificat	cion			Date: FEBRUARY	2005			
Appropriation Co Procurement of A	_	_		Jumber:	P-1 Item (150000)			ONS, ALL T	YPES		
Program Element	for Code	B Items:		Other Re	lated Pro	ogram Ele	ements				
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	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 MOD 0 (DODIC MN14) consists of two stainless steel cylindrical assemblies connected by a trigger mechanism. A secondary safety pin is inserted through the assemblies. The firing ends of the assemblies are internally threaded to receive the applicable pyrotechnic lead initiator.

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 Justific			ggrega	ted It	ems				Date: FEBRUA	RY 2005	
Appropriation Code/Budget Activity/Serial Procurement of Ammunition, Navy and Marine			ition			m Nomeno	clature: TION MUN	NITIONS,	ALL TY	YPES	
	ID Code			FY2006		,				To Complete	Total
EOD DEVICE, MK 7 MOD 1 (DODIC M477)	А	0.000	0.000	0.002	0.001						
QTY		0	0	144	70						
FIRING DEV, DEMO MULTI (DODIC ML03)	А	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)	А	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 Justif:	ication	for Ag	gregat	ed Ite	ms				Date: FEBRUA	ARY 2005	
Appropriation Code/Budget Activity/Serial	l Number:				P-1 Iter	n Nomenci	Lature:		•		
Procurement of Ammunition, Navy and Marin	ne Corps/2	2/Ammuni	tion		(150000)) DEMOLI	TION MUNI	TIONS,	ALL TYP	ES	
Procurement Items	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
CHG, DEMO FLC 600 GR/FT (DODIC MM51)	А	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:	2005			
								FEBRUARY	∠005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	A			enclature: DNS, ALL T	YPES		(150000)					
		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
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	A			enclature: ON MUNITIO	NS, ALL T	YPES						
		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 Plannin	g	Weapon :	System		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Num Procurement of Ammunition, Navy and Marine Co		unition			ne Item Nomenclature: FION MUNITIONS, ALL T					(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	
			<u> </u>							
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 (Justifica	ation				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunition		=			P-1 Item 1 (162500) 1	Nomenclatu FUZE, ALL					
Program Element for Code	Other Relate	ed Program	Elements								
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	4.342	13.763	3.648	1.859	4.807	45.570	28.237	0.411		102.637
Description: The Fuze	Point De	atonating	(DD) M739/	M73921 (DOD)	rc M340) i	c the late	st improve	d version	of the cel	ective impa	act fuzes

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 M762Al 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:	P-1 Line (162500)										
		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	0.024			0.076			0.022			0.013		
ACCEPTANCE TESTING PRODUCTION ENGINEERING	0.024			0.076			0.022			0.013		
QUALITY ASSURANCE	0.057			0.314			0.073			0.032		
TOTAL	4.342			13.763			3.648			1.859		

Exhibit P-5a, Procurement History and Planni	Weapon S	ystem		Date: FEBRUARY 2005						
Appropriation Code/Budget Activity/Serial Nu Procurement of Ammunition, Navy and Marine C		munition			Item Nomenclature: FUZE, ALL TYPES					
WBS COST ELEMENTS							Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
FUZE, MULTI-OPTION FOR ARTY M782 (DODIC NA09)										
COMPLETE ROUND M782										
FY 2004	18,053	230.58	ARDEC, PICATINNY, NJ	C/FFP	ALLIANT TECH, PLYMOUTH MN	NOV 03	MAR 04	MAR 05	YES	
FY 2005	55,509	237.66	ARDEC, PICATINNY, NJ	C/FFP	ALLIANT TECH, PLYMOUTH MN	NOV 04	MAR 05	MAR 06	YES	
FY 2006					ALLIANT TECH, PLYMOUTH MN	UNKNOWN	MAR 06	MAR 07	YES	
FUZE, ELECTRONIC TIME M762A1 (DODIC NA17)										
COMPLETE ROUND M762A1										
FY 2006	13,117	108.00		C/FFP	BULOVA TECH, LANCASTER, PA	UNKNOWN	MAR 06	MAR 07	YES	
FY 2007	17,704	102.12	ARDEC, PICATINNY, NJ	C/FFP	BULOVA TECH, LANCASTER, PA	UNKNOWN	MAR 07	MAR 08	YES	

Exhibit P-40, Budget	: Item Ju	stificat	ion				Date: FEBRUARY	2005			
Appropriation Code/Budge Procurement of Ammunitie					P-1 Item (162800)						
Program Element for Code	e B Items:			Other Rel	ated Progr	ram Elemen	ts				
	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 Ju	stificat	cion				Date: FEBRUARY	2005			
Appropriation Code/Budget Procurement of Ammunition	-		Iumber:		P-1 Item (162800)	Nomenclat					
Program Element for Code	Other Rel	lated Prog	gram Eleme	ents							
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program			
Proc Qty											
Gross Cost	А	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 enchased 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 ballls 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, Budge	et Item Ju	ustifica	tion				Date: FEBRUARY	2005			
Appropriation Code/Budg Procurement of Ammunit		-		P-1 Item (162800)	Nomenclat						
Program Element for Coo	le B Items:			Other Rel	lated Prog	gram Eleme	ents				
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	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 LVOSS. 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 Delayigniting 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		Date: FEBRUARY 2	2005							
Appropriation Code/Budget Activi Procurement of Ammunition, Navy			ammunition		P-1 Item No (162800) No		:	 		
	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)	А	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 Ju		Date: FEBRUARY 2	:005								
Appropriation Code/Budget Activity, Procurement of Ammunition, Navy and			nition		P-1 Item N (162800) N	omenclature ON LETHALS	e:				
	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
BLUNT TRAUMA GREN, M99 F/LVOS (DODIC FZ17)	А	0.285	0.000	0.132	0.378						
QTY		1,179	0	521	1,423						
FUZE, GRENADE DETONATING (DODIC G874)	А	0.000	0.000	0.242	0.000						
QTY		0	0	69,428	0						
GRENADE, SMOKE M90 F/LVOS (DODIC GG03)	А	0.200	0.000	0.000	0.000						
QTY		2,298	0	0	0						
GRENADE, HAND, RUBBER BALL (DODIC GG04)	А	0.243	0.000	0.000	0.000						
QTY		8,917	0	0	0						
GRENADE, HAND, PRACTICE (DODIC GG05)	А	0.017	0.000	0.140	0.000						
QTY		1,584	0	12,313	0						
GRENADE, PRAC, BODY (DODIC GG13)	А	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						
		1.056	0.720	0 514	0.270		1				
P-40a Sub Total		3.679	1.141	0.514 1.127	0.378						
P-40a Total		3.679	1.141	1.127	1.229			1			

Exhibit P-40, Budget	Item 3	Justifica	ation				Date: FEBRUARY 2	:005			
Appropriation Code/Budge Procurement of Ammunitio		-			P-1 Item I (163000)	Nomenclatu AMMO MODE					
Program Element for Code	B Items	3 :		Other Relate	ed Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											<u> </u>
Gross Cost A 4.907 7.095 7.350 7.712 8.144 8.511 8.895 9.293 61.9											61.907
D		34 . 3		36.31						And the second second	

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.

36-163000

PAGE 1 OF 2

BLIN: 163000

Budget Item Justification

Exhibit P-40a, Budget It	Date: FEBRUARY	2005								
Appropriation Code/Budget Act Procurement of Ammunition, Na				tion		Nomenclat AMMO MODE		'		
	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									
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					

36-163000 PAGE 2 OF 2

Budget Item Justification for Aggregated Items

Exhibit P-40, Budget	Item 3	Justifica	ation				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunitio	n, Navy	and Marin	e Corps/2/	Ammunition	,	ITEMS LESS	re: THAN \$5 M	ILLION			
Program Element for Code	5 :		Other Relate	ed Program	Elements						
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	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, Bud	dget Iter	m Justifi	cation				Date: FEBRUARY	2005			
Appropriation Code/E Procurement of Ammur	_	=			P-1 Item (166000)		ure: SS THAN \$5	MILLION			
Program Element for	Other Rel	ated Prog	ram Eleme	nts							
	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
Doggosintian Continue	ad. The Co	المساهلات المساسية	77	O	D 1	10 0	NATE OF A NAC	D 0 III	77-7	01 /DOD	TO 33(0) 1-

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 Exploseve 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

ID Code FY2004 FY2005 FY200							Date: FEBRUARY 2005									
				:	P-1 Item (166000)	Nomenclat										
Program Element for (Code B Ite	ems:		Other Rel	ated Prog	ram Eleme	nts									
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program					
Proc Qty																
Gross Cost	А	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 Justifica	Date: FEBRUARY 2005										
Appropriation Code/Budget Activity/Serial N	umber:				P-1 Item Nomenclature:						
Procurement of Ammunition, Navy and Marine		(166000) ITEMS LESS THAN \$5 MILLION									
	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
RIFLE TEAM AMMO (DODIC A001)	А	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)	А	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 Appropriation Code/Budget Activity/Serial Number: P-1 Item Nomenclature:											Date: FEBRUARY 2005		
Appropriation Code/Budget Activity/Seri. Procurement of Ammunition, Navy and Mar			nition		P-1 Item N (166000) I			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)	А	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		<u> </u>						
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						<u> </u>		

ibit P-5, Cost Analysis Date: FEBRUARY 2005												
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	ID Code: P-1 Line Item Nomenclature: A (166000) ITEMS LESS THAN \$5 MILLION											
	FY04 FY05 FY06 FY									FY07	'07	
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 Histor Planning	y and	Weapon	System		Date: FEBRUARY 2005										
Appropriation Code/Budget Activi Procurement of Ammunition, Navy					e Item Nomenclature: ITEMS LESS THAN \$5 MILLION	T	T	1	1						
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						