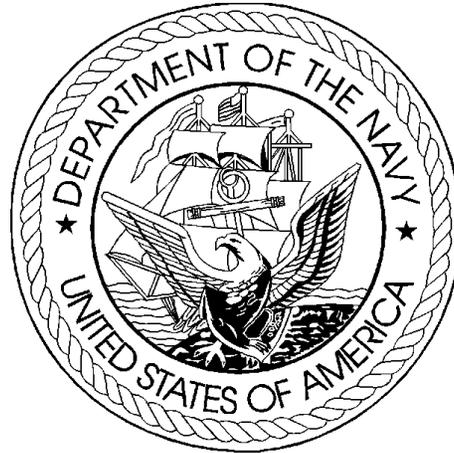


DEPARTMENT OF THE NAVY
FISCAL YEAR (FY) 2003
BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES
FEBRUARY 2002

PROCUREMENT OF AMMUNITION,
NAVY AND MARINE CORPS
BUDGET ACTIVITY 1

**Fiscal Year 2003 Budget Estimates
Budget Appendix Extract Language**

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

For construction, procurement, production, and modification of ammunition, and accessories therefore; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities authorized by section 2854 of title 10, United States Code, and the land necessary therefore, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, [\$461,399,000] \$1,015,152,000, to remain available for obligation until September 30, [2004] 2005, of which \$18,162,00 shall be for the Navy Reserve and Marine Corps Reserve. (*Department of Defense Appropriations Act, 2002.*)

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: FEBRUARY 2002																				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS						P-1 ITEM NOMENCLATURE General Purpose Bombs (J1Q2)(BLI 014500)																					
Program Element for Code B Items: B.A.1 - Navy Ammunition						Other Related Program Elements																					
	Prior Years*	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total																
QUANTITY																											
COST (In Millions)	\$259.8	A	\$67.5	\$64.6	\$243.4	\$208.8	\$218.9	\$122.9	\$98.6	Cont	Cont																
Non Add DERF				\$316.0																							
Non Add Cost of War					\$25.0		\$31.0	\$16.5																			
<p><u>Laser Guided Bomb (LGB) guidance units and airfoils</u>: Procurement replaces expenditures, maintains war reserve, and accommodates training. Procurement will be combined with warheads and fuzes from inventory.</p> <p><u>Bomb Bodies, Fins, Fuzes, and Warheads</u>: Procurement replaces expenditures, maintains war reserve, and accommodates training. Included are BLU-111/117 A/B PBX loads, BSU-86A/B fins, BSU-33 Conical Fins, FMU 139/143 Fuzes; other Bomb Body, Fin, Fuze, and Warhead variants procured as needed.</p> <p><u>Product Improvement Program (PIP)</u>: The PIP effort is being used to continue investigation regarding hardware coating materials necessary to meet EPA requirements.</p> <p><u>PES/ILS</u>: Production engineering support (PES) and Integrated logistics support (ILS) are continuing efforts in support of the production of GP bombs and ancillary components.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 20%;"></td> <td style="text-align: center;"><u>01</u></td> <td style="text-align: center;"><u>02</u></td> <td style="text-align: center;"><u>03</u></td> <td style="text-align: center;"><u>04</u></td> <td style="text-align: center;"><u>05</u></td> <td style="text-align: center;"><u>06</u></td> <td style="text-align: center;"><u>07</u></td> </tr> <tr> <td>Navy Reserves</td> <td style="text-align: center;">.1</td> </tr> </table> <p><u>Defense Emergency Response Fund (DERF)</u>: \$221.4 million for 14,406 LGB Kits from Raytheon and Lockheed Martin. \$94.6 million for the procurement of variant bomb bodies, fins, fuzes and warheads.</p> <p><u>Cost of War</u>: Increase of \$25M in FY 2003 will be used for procurement of PBX loads; other bomb body, fin, fuze, and warhead variants procured as needed.</p>													<u>01</u>	<u>02</u>	<u>03</u>	<u>04</u>	<u>05</u>	<u>06</u>	<u>07</u>	Navy Reserves	.1	.1	.1	.1	.1	.1	.1
	<u>01</u>	<u>02</u>	<u>03</u>	<u>04</u>	<u>05</u>	<u>06</u>	<u>07</u>																				
Navy Reserves	.1	.1	.1	.1	.1	.1	.1																				

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS							Weapon System			Date:					
P-5										FEBRUARY 2002					
APPROPRIATION/BUDGET ACTIVITY							ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD							
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS								GENERAL PURPOSE BOMBS (J1Q2) (BLI 014500)							
B.A. 1 - Navy Ammunition															
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2001			FY 2002			FY 2003					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	PROCUREMENT														
	BOMB BODIES, FINS, FUZES, WARHEADS														
Q2160	BLU-117/B (2000LB BOMB)(EB04)	A		1,929	9,500.21	18,326				0					0
Q2191	BLU-111A/B PBX Load(F289)	A				0	12,231	2,534.52	31,000	10,995	2,548.83	28,024			
Q2020	BSU-86A/B	A				0	1,932	2,190.44	4,232	1,884	2,523.02	4,753			
Q2010	BSU-33 Conical Fins(F782)	A				0	11,799	89.77	1,059	11,511	90.05	1,037			
Q2179	FMU-143E/B	A				0			0	1,500	2,303.43	3,455			
Q2180	LGB KITS SUBTOTAL					34,217			24,930			201,555			
	AIR FOILS (MXU-667/B) (FW95)	A		723	3,654.00	(2,642)	792	5,147.55	(4,077)	6,718	5,000.00	(33,590)			
	AIR FOILS (MXU-650/B) (F763)	A		2,300	3,654.00	(8,404)	793	4,704.75	(3,731)	6,719	5,000.00	(33,595)			
	GUIDANCE UNIT MAU-169 (FW94)	A		3,023	7,665.00	(23,171)	1,585	10,802.48	(17,122)	13,437	10,000.00	(134,370)			
	PROCUREMENT SUPPORT, MODS, AND OTHER														
Q2800	ILS SUBTOTAL					714			400			600			
	ILS (GP Bombs)					(489)			(200)			(200)			
	ILS (GBU)					(225)			(200)			(400)			
Q2830	PES/NAVY SUBTOTAL					4,230			2,398			3,500			
	PES (GP Bombs)					(2809)			(1,066)			(1630)			
	PES (GBU & LGB)					(1421)			1,332			(1870)			
Q2850	PIP					135			100			100			
Q2850	FMU 139 Fuze Modification PIP					9,384			0			0			
Q2892	Non Standard Items					100			0			0			
Q2893	Renovation Components					175			200			121			
Q2894	Gaging					250			250			250			
	DERF NON-ADD*														
	GBU-16 (MXU-667 AFG and MAU-209 GU)						6,300	13,452.30	84.75						
	GBU-12 (MXU-650 AFG and MAU-169 GU)						8,106	16,857.80	136.65						
	Bomb Bodies, Fins, Fuzes and Warheads						Var	Var	94.60						
	COST OF WAR NON-ADD**														
	BLU-111A/B PBX Load(F289)									9,809	2,548.83	25,000			
	BLU-110A/B PBX Load(F288)														
	TOTAL					259,779			67,531			64,569			243,395

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CLASSIFICATION:

UNCLASSIFIED**Remarks:**

* FY 2002 Defense Emergency Response Fund (DERF): \$221.4 million for 14,406 LGB Kits from Raytheon and Lockheed Martin. \$94.6 million for the procurement of variant bomb bodies, fins, fuzes and warheads.

**FY 2003 Cost of War: Increase of \$25M will be used for procurement of bomb bodies, fins, fuses, and warheads.

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE			
							February 2002			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE			SUBHEAD		
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					General Purpose Bombs (BLI 014500)			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
<u>Q2160 BLU-117/B(2000 LB)</u>										
FY99	588	9,307.41	Rock Island, IL	Jan-99	C/FP	MCALESTER, AAP	Jul-99	Oct-02	YES	
FY00	1,554	8,855.66	Rock Island, IL	Jan-00	C/FP	MCALESTER, AAP	Jul-00	Apr-03	YES	
FY01	1,929	9,500.21	Rock Island, IL	Jan-01	C/FP	MCALESTER, AAP	Jan-01	Oct-03	YES	
<u>Q2191 BLU-111A/B PBX Load</u>										
FY02	12,231	2,534.52	Rock Island, IL	TBD	C/FP	UNKNOWN	Apr-02	Sep-03	YES	
COST OF WAR FY03										
FY03	9,809	2,548.83	Rock Island, IL	TBD	C/FP	UNKNOWN	Apr-03	Sep-04	YES	
FY03	10,995	2,548.83	Rock Island, IL	TBD	C/FP	UNKNOWN	Apr-03	Sep-04	YES	
<u>Q2020 BSU-86A/B</u>										
FY02	1,932	2,190.44	Rock Island, IL	TBD	C/FP	UNKNOWN	Apr-02	Sep-03	YES	
FY03	1,884	2,523.02	Rock Island, IL	TBD	C/FP	UNKNOWN	Apr-03	Sep-04	YES	
<u>Q2010 BSU-33 Conical Fins</u>										
FY02	11,799	89.77	Rock Island, IL	TBD	C/FP	UNKNOWN	Apr-02	Sep-03	YES	
FY03	11,511	90.05	Rock Island, IL	TBD	C/FP	UNKNOWN	Apr-03	Sep-04	YES	
<u>Q2179 FMU-143E/B(F849)</u>										
FY03	1,500	2,303.43	Rock Island, IL	TBD	C/FP	UNKNOWN	Apr-03	Sep-04	YES	
<u>Q2180 LASER GUIDED BOMBS KITS</u>										
<u>Feb 01 Award</u>										
FY00(MXU-667/B)/MAU-209 G Unit)	500	17,999.98	NAVAIR	Jul-00	SS/FP	LOCKHEED	Feb-01	Feb-02	YES	
<u>Dec 01 Award</u>										
DERF (MXU-667/B & MAU-209 G Unit)	6,300	13,452.30	NAVAIR	Dec-02	SS/FP	LOCKHEED	Dec-01	Jun-02	YES	
<u>Mar 01 Award</u>										
FY 00 (MXU-667/B)	977	5,022.00	Hill AFB	Oct-00	C/FP	RAYTHEON	Mar-01	Dec-01	YES	
FY 00 (MXU-650/B)	977	4,590.00	Hill AFB	Oct-00	C/FP	RAYTHEON	Mar-01	Feb-02	YES	
FY00 (MAU-169) FW94	1,954	10,539.00	Hill AFB	Oct-00	C/FP	RAYTHEON	Mar-01	Dec-01	YES	
FY01 (MAU-169) FW94	3,023	7,665.00	Hill AFB	Nov-00	C/FP	RAYTHEON	Mar-01	Apr-02	YES	
FY01(MXU-667/B)	723	3,654.00	Hill AFB	Nov-00	C/FP	RAYTHEON	Mar-01	Mar-02	YES	
FY01(MXU-650/B)	2,300	3,654.00	Hill AFB	Nov-00	C/FP	RAYTHEON	Mar-01	May-02	YES	
<u>Dec 01 Award</u>										
DERF (MXU-650/B & MAU-169 G Unit)	8,106	16,857.80	Hill AFB	Dec-02	SS/FP	RAYTHEON	Dec-01	Sep-02	YES	
<u>FY 02 Awards</u>										
FY02(MAU 169 G Unit)	1,585	10,802.48	Hill AFB	TBD	C/FP	UNKNOWN	Mar-02	Jul-03	YES	
FY02(MXU-667/B)	792	5,147.55	Hill AFB	TBD	C/FP	UNKNOWN	Mar-02	Jul-03	YES	
FY02(MXU-650/B)	793	4,704.75	Hill AFB	TBD	C/FP	UNKNOWN	Mar-02	Jul-03	YES	
<u>FY 03 Awards</u>										
FY 03(MAU-169 G Unit)	13,437	10,000.00	Hill AFB	TBD	C/FP	UNKNOWN	Mar-03	Sep-03	YES	
FY03 (MXU-667/B)	6,718	5,000.00	Hill AFB	TBD	C/FP	UNKNOWN	Mar-03	Sep-03	YES	
FY03 (MXU-650/B)	6,719	5,000.00	Hill AFB	TBD	C/FP	UNKNOWN	Mar-03	Sep-03	YES	
D. REMARKS:										

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET											DATE:	
P-40											February 2002	
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE					
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/B.A. 1.Ammunition							JOINT DIRECT ATTACK MUNITION (JDAM)					
Program Element for Code B Items:							Other Related Program Elements					
0204162N							None					
	Prior Years	ID Code		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Program
QUANTITY	2,208	A/B		2,325	1,603	9,880	7,626	5,964	7,230	6,456	0	43,292
COST (\$M)	\$96.3			\$69.2	\$40.8	\$226.0	\$177.1	\$149.0	\$186.2	\$175.6	\$0.0	\$1,120.2
Initial Spares (\$M)												\$0.0
Total (\$M)	\$96.3			\$69.2	\$40.8	\$226.0	\$177.1	\$149.0	\$186.2	\$175.6	\$0.0	\$1,120.2
Unit Cost (\$M)	0.044			0.030	0.025	0.023	0.023	0.025	0.026	0.027	0.000	0.026
DERF Quantity - Non Add					7,604							7,604
DERF Dollars - Non Add					\$162.5							\$162.5
Cost of War Quantity - Non-Add						2,400	4,700	5,050	4,900	4,300		21,350
Cost of War Dollars - Non Add						\$54.0	\$106.0	\$122.0	\$122.0	\$113.0		\$517.0
<p>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 will upgrade 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 will initially be integrated with the B-52, B-2, B-1B and F/A-18C/D aircraft with follow-on integration on the F-16, F-15E, F-22, F-14, AV-8B, and F/A-18 E/F. The Navy is responsible for fielding a JDAM All-Up-Round (AUR) system; procuring components as required to satisfy that system (tailkits, fuzes and arming systems, warheads, and support equipment). The total production buy for JDAM is 144,037 units (97,685 for AF and 46,352 for Navy). No requirement for initial spares because of 20 year warranty.</p>												

CLASSIFICATION:

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WEAPONS SYSTEM COST ANALYSIS P-5									Weapon System			DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/B.A. 1. Ammunition									ID Code B	P-1 ITEM NOMENCLATURE/SUBHEAD JOINT DIRECT ATTACK MUNITION (JDAM)					
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2001			FY 2002			FY 2003					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
JD100	AIR VEHICLE	A/B	43,904				2,325	21,604	50,229	1,603	20,314	32,564	9,880	19,554	193,194
JD200	FUZES (3)	A/B	4,470				3,172	1,014	3,217	1,072	2,756	2,954	9,880	1,616	15,970
JD300	WARHEAD (1)		21,222				540	13,650	7,371	0	0	0	0	0	0
JD100	ENGINEERING CHANGE ORDERS (ECO)		0				0	0	0	0	0	0	0	0	5,796
	TOTAL RECURRING FLYAWAY		69,596				2,325	26,158	60,817	1,603	22,157	35,518	9,880	21,757	214,960
JD100	SCHEDULE ACCELERATION		822						66			0			0
JD830	PRODUCTION TECH SUPPORT		14,785						6,289			3,019			7,180
JD100	CONTRACTOR INCENTIVE		617						401			326			1,932
JD840	PRODUCTION TEST		1,125						158			667			439
JD100	AIRBORNE TEST EQUIPMENT		447						0			0			0
JD850	DATA		0						2			0			4
JD700	BLU-109 CABLES		720						0			0			0
	TOTAL NON-RECURRING		18,516				2,325	2,975	6,916	1,603	2,503	4,012	9,880	967	9,555
	TOTAL WEAPON FLYAWAY		88,112						67,733			39,530			224,515
JD940	LOAD/BUILDUP TRAINERS		582						0			0			0
JD960	TEST EQUIPMENT (2)		3,870						464			10			0
JD970	ILS		2,957						896			1,066			1,092
JD990	TRAINING		606						73			102			314
JD920	DATA (TECHNICAL)		178						0			55			71
	TOTAL FLEET SUPPORT		8,193						1,433			1,233	9,880	150	1,477
	TOTAL WEAPON SYSTEM INITIAL SPARES		96,305						69,166			40,763			225,992
	TOTAL PROGRAM COST		96,305				2,325	29,749	69,166	1,603	25,429	40,763	9,880	22,874	225,992
	DERF/COST OF WAR (NON-ADD)														
JD100	AIR VEHICLE									7,604	21,158	160,882	2,400	20,141	48,338
JD200	FUZES												2,400	1,617	3,880
JD100	CONTRACTOR INCENTIVE											1,618			483
JD830	PRODUCTION TECH SUPPORT														1,299
	TOTAL DERF/COST OF WAR COST									7,604		162,500	2,400		54,000

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P-1 SHOPPING LIST

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CLASSIFICATION:

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Note (1). QUANTITY AND COSTS ARE FOR BLU-109 WARHEADS ONLY. MK84 AND MK83 WARHEADS ARE IN EXISTING INVENTORY.

Note (2). TEST EQUIPMENT INCLUDES THE COST FOR THE COMMON MUNITION BIT REPROGRAMMABLE EQUIPMENT (CMBRE).

Note (3). QUANTITY AND COSTS ARE FOR FUZES AND ARMING DEVICES REQUIRED TO COMPLETE A JDAM AUR SYSTEM.

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE FEBRUARY 2002			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/B.A.1					C. P-1 ITEM NOMENCLATURE JOINT DIRECT ATTACK MUNITION (JDAM)				SUBHEAD J1JD	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY01 Lot 5 (2) JDAM	2,325	26,158	USAF ASC/YU EGLIN AFB, FL		FFP	Boeing St. Louis, MO	Mar 01	Jan 02	N/A ⁽¹⁾	N/A
DERF Lot 5A JDAM	810	26,158	USAF ASC/YU EGLIN AFB, FL		FFP	Boeing St. Louis, MO	Dec 01	Nov 02	N/A ⁽¹⁾	N/A
FY02 Lot 6 (3) JDAM	1,603	22,157	USAF ASC/YU EGLIN AFB, FL		FFP	Boeing St. Louis, MO	Dec 01	Jan 03	N/A ⁽¹⁾	N/A
DERF Lot 6A (4) JDAM	6,794	22,157	USAF ASC/YU EGLIN AFB, FL		FFP	Boeing St. Louis, MO	Dec 01	Sep 03	N/A ⁽¹⁾	N/A
FY03 Lot 7 (5) JDAM	12,280	21,757	USAF ASC/YU EGLIN AFB, FL		FFP	Boeing St. Louis, MO	Feb 03	Dec 03	N/A ⁽¹⁾	N/A

(1). SPECIFICATIONS HAVE BEEN WAIVED DUE TO JDAM'S STATUS AS AN ACQUISITION REFORM PILOT PROGRAM.
 (2) LOT 5: 672 JDAM TAILKITS WERE AWARDED MAR 01. OPTIONS FOR 1,150 (MK-84/BLU-109) AND 434 (MK-83) KITS WERE AWARDED IN MAY AND OCT 01, RESPECTIVELY. 69 MK84 TAILKITS WERE AWARDED WITH GRADE B IMUs IN OCT 01 AND DELIVERED NOV 01 IN SUPPORT OF OEF.
 (3) LOT 6: 531 MK84 TAILKITS WERE AWARDED WITH GRADE B IMUs IN OCT 01 AND DELIVERED DEC 01 IN SUPPORT OF OEF. INCREASE OF 186 TAILKITS RESULTING FROM FY 2002 APPROPRIATION ACT WILL BE AWARDED WITH LOT 6A.
 (4) LOT 6A: 2,240 OF 6,794 TOTAL KITS WERE AWARDED DEC 01 WITH DERF FUNDS (\$62.5M-NAVY SHARE). THE REMAINING 4,544 KITS WILL BE AWARDED WITH DERF PROVIDED IN THE FY 2002 APPROPRIATION ACT (\$100M-NAVY SHARE).
 (5) LOT 7: 2,400 OF 12,280 TOTAL KITS ARE FOR COST OF WAR

UNCLASSIFIED

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21										DATE February 2002																					
APPROPRIATION/BUDGET ACTIVITY										Weapon System					P-1 ITEM NOMENCLATURE																
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS										Production Rate					Procurement Leadtimes																
Item		Manufacturer's Name and Location			MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																		
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2005					FISCAL YEAR 2006					B A L														
							2004		CALENDAR YEAR 2005						CALENDAR YEAR 2006																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
JDAM/Boeing - Lot 7****		03	N	12280	8784	3496	200	200	1237	969	890																			0	
																														0	
																														0	
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2007					FISCAL YEAR 2008					B A L														
							2006		CALENDAR YEAR 2007						CALENDAR YEAR 2008																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
																														0	
																														0	
Remarks:		****2,400 of the Lot 7 total quantity are for Cost of War.																													

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2002 (BLI 015100)				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS				P-1 ITEM NOMENCLATURE			AIRBORNE ROCKETS, ALL TYPES (J1Q5)				
Program Element for Code B Items:				Other Related Program Elements							
	Prior Years*	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY											
COST (In Millions)	--	A	\$17.0	\$20.9	\$29.0	\$21.1	\$20.3	\$19.3	\$18.1	Cont.	Cont.
DERF NON-ADD (In Millions)	--		\$0.0	\$5.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	Cont.	Cont.
COW NON-ADD (In Millions)	--		\$0.0	\$0.0	\$23.3	\$20.0	\$19.1	\$21.7	\$19.6	Cont.	Cont.
<p>Funds provided prior to FY01 budget request were for the procurement of 2.75 inch rocket components along with associated product improvement, engineering and logistic support. Starting in FY01, this budget item is renamed "Airborne Rockets, All Types" to include both the 2.75 inch and 5 inch rocket systems. FY01 includes a Congressional Add of \$5.6M for Hydra Rockets.</p> <p>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" Rockets.</p> <p>Product improvements address deficiencies in the safety, reliability and producibility of Airborne Rockets. Specific projects include insensitive munitions improvements to the MK-66 rocket motor, safety improvements to Warheads, and reliability improvements to the 2.75 inch launchers.</p> <p>Upgrade MK66 from J147 to HA03. This is to prevent stabilizing rod ejection during the launch cycle and inspect for propellant grain defects.</p> <p>*Prior years figures are reflected in the 2.75" Rockets Line.</p>											
NAVY RESERVE					<u>FY01</u>	<u>FY02</u>	<u>FY03</u>	<u>FY04</u>	<u>FY05</u>	<u>FY06</u>	<u>FY07</u>
					\$0.1	\$0.1	\$0.1	\$0.1	\$0.1	\$0.1	\$0.1
<p>Note: DERF funding in the amount of \$5M provided for 5" MK34 Smoke Warheads, Qty - 5555 Cost of War (COW) funding of \$23.3M procures 2460 MK71 Rocket Motors and 20,000 MK66 Rocket Motors.</p>											

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a							DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS (\$000's)				P-1 ITEM NOMENCLATURE AIRBORNE ROCKETS, ALL TYPES (J1Q5) (BLI 015100)							
Procurement Items	ID Code	Prior Years*	FY 2001*	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
MK 66 Rocket Motor (HA07)	A									Continuing	Continuing
Quantity			22024	19329	38054						
Funding			\$9,467	\$9,186	\$18,232					Continuing	Continuing
COW - NON ADD	A										
MK66 Rocket Motor (HA07)											
Quantity			0	0	20000						
Funding			\$0	\$0	\$10,000						
M278 IR Illum. Warhead (HA06)	A										
Quantity			1520	0	0						
Funding			\$2,385	\$0	\$0					Continuing	Continuing
M229 HE Warhead	A										
Quantity			0	2000	2000						
Funding			\$0	\$1,900	\$1,630					Continuing	Continuing
M255A1 Flechette Warhead	A										
Quantity			0	0	0						
Funding			\$0	\$0	\$0					Continuing	Continuing
WTU-1/B Inert Warhead (H663)	A										
Quantity			0	18742	13704						
Funding			\$0	\$721	\$535					Continuing	Continuing
LAU-61 Launcher	A										
Quantity			0	0	0						
Funding			\$0	\$0	\$0					Continuing	Continuing
MK 34 Warhead	A										
Quantity			0	3500	3500						
Funding			\$0	\$3,150	\$3,213					Continuing	Continuing
DERF NON-ADD	A										
Quantity			0	5555	0						
Funding			\$0	\$5,000	\$0					Continuing	Continuing

P-1 SHOPPING LIST

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2002			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					C. P-1 ITEM NOMENCLATURE AIRBORNE ROCKETS, ALL TYPES (BLI 015100)				SUBHEAD J1Q5	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
Q5040 MK 66 MOTORS (HA07)										
FY 01	22024	429.85	ARMY OSC	N/A	FFP	GENERAL DYNAMICS	May-01	Nov-02	YES	
FY 02	19329	475.25	ARMY OSC	N/A	FFP	GENERAL DYNAMICS	May-02	Nov-03	YES	
FY 03	38054	479.11	ARMY OSC	N/A	FFP	GENERAL DYNAMICS	May-03	Nov-04	YES	
Q5040 MK 66 MOTORS (HA07)										
COW FY03	20000	500.00	ARMY OSC	N/A	FFP	GENERAL DYNAMICS	May-03	Nov-04	YES	
Q5041 MK 71 MOTORS										
COW FY 03	2460	5000.00	ARMY OSC	N/A	FFP	GENERAL DYNAMICS	May-03	Jun-05	YES	
M278 IR Illum. Warhead (HA06)										
FY 01	1520	1569.00	ARMY OSC	N/A	FFP	GENERAL DYNAMICS	May-01	Nov-02	YES	
M229 HE Warhead										
FY 02	2000	950.00	NAVAIR	N/A	N/A	NSWC,IH	May-02	Nov-03	YES	
FY 03	2000	815.20	NAVAIR	N/A	N/A	NSWC,IH	May-03	Nov-04	YES	
WTU-1/B Inert Warhead (H663)										
FY 02	18742	38.47	ARMY OSC	N/A	FFP	GENERAL DYNAMICS	May-02	Nov-03	YES	
FY 03	13704	39.04	ARMY OSC	N/A	FFP	GENERAL DYNAMICS	May-03	Nov-04	YES	
D. REMARKS										
Pricing is provided by the Army and incorporates other services' buys.										

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2002			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					C. P-1 ITEM NOMENCLATURE AIRBORNE ROCKETS, ALL TYPES (BLI 015100)				SUBHEAD J1Q5	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
MK34 Smoke Warhead										
FY 02	3500	900.00	NSWC, IH	N/A	FFP	TBD	May-02	May-04	YES	
FY 03	3500	918.00	NSWC, IH	N/A	FFP	TBD	May-03	Nov-04	YES	
DERF FY 02	5555	900.00	NSWC, IH	N/A	FFP	TBD	May-02	Sep-03	YES	
Smokey SAM (GTR-18)										
FY 02	6008	130.00	NAVAIR	N/A	N/A	NSWC, IH	May-02	Nov-03	YES	
FY 03	3100	132.60	NAVAIR	N/A	N/A	NSWC, IH	May-03	Nov-04	YES	
D. REMARKS										
Pricing is provided by the Army and incorporates other services' buys. MK34 Warhead delivery includes 6 months lead time for FAAT.										

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FY 2002/2003 BUDGET PRODUCTION SCHEDULE, P-21						DATE February 2002																								
APPROPRIATION/BUDGET ACTIVITY						Weapon System						P-1 ITEM NOMENCLATURE (BLI 015100)																		
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS						AIRBORNE ROCKETS, ALL TYPES																								
						Production Rate			Procurement Leadtimes																					
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																
MK 66 Rocket Motor	GENERAL DYNAMICS					1	8	15		7	18	18	25	K																
Smokey SAM	NSWC, IH					1	8	15		6	12	12	18	K																
ITEM / MANUFACTURER						FISCAL YEAR 2001												FISCAL YEAR 2002												BAL
						2000						CALENDAR YEAR 2001						CALENDAR YEAR 2002												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
MK 66 Rocket Motor																														
GENERAL DYNAMICS	01	N	22.0	0	22.0																						22.0			
GENERAL DYNAMICS	02	N	19.3	0	19.3																						19.3			
GENERAL DYNAMICS	03	N	38.1	0	38.1																						38.1			
DERF	02	N	5.5	0	5.5																									
ITEM / MANUFACTURER						FISCAL YEAR 2003												FISCAL YEAR 2004												BAL
						2002						CALENDAR YEAR 2003						CALENDAR YEAR 2004												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
MK 66 Rocket Motor																														
GENERAL DYNAMICS	01	N	22.0	0	22.0		2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.3													0.0		
GENERAL DYNAMICS	02	N	19.3	0	19.3																						0.0			
GENERAL DYNAMICS	03	N	38.1	0	38.1																						38.1			
DERF	02	N	5.5	0	5.5																						0.0			
COW MK 66 Rocket Motor	03	N	20.0	0	20.0																						20.0			
MK 71 Rocket Motor	03	N	2.5	0	2.5																						2.5			

Remarks: *Production rates are established on the contract, they are in thousands of units and are on a monthly basis
M278, M229, WTU-1/B AND MK34 HAVE THE SAME LEAD TIMES AS MK66 ROCKET MOTORS. Note: DERF funding in the amount of \$5M provided for 5.00" MK34 Smoke Warheads, Qty - 5556

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BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS							P-1 ITEM NOMENCLATURE (BLI 015500) MACHINE GUN AMMUNITION (J1Q4)				
Program Element for Code B Items:							Other Related Program Elements				
	Prior Years*	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
COST (In Millions)	\$46.5	A	\$8.2	\$13.3	\$26.4	\$17.1	\$17.5	\$18.0	\$18.5	Continuing	Continuing
**COST (DERF) (In Millions)	\$0.0	A	\$0.0	\$10.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$10.0	\$10.0
***COST (COW) (In Millions)	\$0.0	A	\$0.0	\$0.0	\$4.5	\$6.7	\$9.1	\$8.6	\$7.7	\$36.6	\$36.6
<p>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 gunAH-1 aircraft. All 20MM ammunition is procured by the Army's Single Manager for Conventional Ammunition (SMCA). 25MM funds are for the Semi-Armor Piercing High Explosive Incendiary (SAPHEI) war fighting cartridge for the GAU-12 gun system in the AV-8B Aircraft.</p> <p>Funds requested for the Product Improvement Program (PIP) are required to: (1) Complete replacement for PGU-20/U depleted Uranium to a Titanium penetrator. (2) Piezo-Electric Transducer consolidation effort. (3) RMATS Multi-Purpose Study. (4) Bullet Tip Paint replacement for aerial target training.</p> <p>Formerly managed under PEO(T) and subhead Y1Q4, this program was transferred to PEO(W). Beginning with FY01, it will be executed under subhead J1Q4.</p> <p>*Reflects FY1995-FY2000 only. These programs were funded in FY94 and prior from the Weapons Procurement, Navy (WPN) and Other Procurement, Navy (OPN) accounts.</p> <p>**\$10.0M of Defense Emergency Response Funding (DERF) was received to procure an estimated quantity of 401,588 PGU-28A/B Saphei rounds (Bulk). ***Cost of War (COW) Funding of \$4.5M was received to procure 105,148 20MM Bulk,TP,PGU-27; 35,000 20MM Bulk, HEI; 113,990 20MM Linked, TP,PGU-27; and 43,869 20MM Linked,HEI.</p>											
NAVY RESERVE			<u>FY02</u> 0.3	<u>FY03</u> 0.3	<u>FY04</u> 0.3	<u>FY05</u> 0.3	<u>FY06</u> 0.3	<u>FY07</u> 0.3			

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a							DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS				P-1 ITEM NOMENCLATURE MACHINE GUN AMMUNITION (J1Q4) (BLI 015500)							
Procurement Items	ID Code	Prior Years*	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
20MM BULK (LINKLESS), TP, PGU-27											
Quantity	A	4,311,062	398,053	762,941	753,824						
Funding		\$26,338	\$2,659	\$5,188	\$5,224						
20MM, PGU-28, BULK (LINKLESS), HEI, AA22											
Quantity	A	173,074	0	13,774	0						
Funding		\$4,508.0	\$0.0	\$450.0	\$0.0						
20MM, BULK (LINKLESS), HEI											
Quantity	A	0	0	0	171,978						
Funding		\$0.0	\$0.0	\$0.0	\$5,720.0						
20MM LINKED, TP, PGU-27											
Quantity	A	226,094	381,500	574,800	328,300						
Funding		\$1,944	\$3,290	\$5,041	\$2,935						
20MM, LINKED, HEI											
Quantity	A	0	0	0	277,149						
Funding		\$0.0	\$0.0	\$0.0	\$9,800						
LINKING EFFORT, PGU-27 TP AND PGU-30 TPT											
Quantity	A	395,100	0	0	0						
Funding		\$756	\$0	\$0	\$0						
Other Costs		\$12,992	\$2,206	\$2,623	\$2,696						
Total P-1 Funding		\$46,538	\$8,155	\$13,302	\$26,375						
*Reflects FY1995-FY2000 only. These programs were funded in FY94 and prior from the Weapons Procurement Navy (WPN) and Other Procurement Navy (OPN) accounts.											

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a							DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS				P-1 ITEM NOMENCLATURE MACHINE GUN AMMUNITION (J1Q4) (BLI 015500)							
Procurement Items	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
*20MM BULK (LINKLESS), TP, PGU-27											
Quantity	A	0	0	401,588	-						
Funding		\$0	\$0	\$9,500	-						
*PES											
Quantity		0	0	0	0						
Funding		\$0	\$0	\$500	\$0						
TOTAL DERF				\$10,000							
**20MM BULK (LINKLESS), TP, PGU-27											
Quantity	A	0	0	0	105,148						
Funding		\$0	\$0	\$0	\$729						
**20MM, BULK (LINKLESS), HEI											
Quantity	A	0	0	0	35,000						
Funding		\$0.0	\$0.0	\$0.0	\$1,164						
**20MM LINKED, TP, PGU-27											
Quantity	A	0	0	0	113,990						
Funding		\$0	\$0	\$0	\$1,019						
**20MM, LINKED, HEI											
Quantity	A	0	0	0	43,869						
Funding		\$0.0	\$0.0	\$0.0	\$1,551						
TOTAL COW					\$4,463						
*DEFENSE EMERGENCY RESPONSE FUNDING (DERF)											
**COST OF WAR (COW) FUNDING											

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WEAPONS SYSTEM COST ANALYSIS P-5											DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS				P-1 ITEM NOMENCLATURE/SUBHEAD MACHINE GUN AMMUNITION (J1Q4) (BLI 015500)											
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years*	FY 2001			FY 2002			FY2003					
				Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
Q4010	20MM BULK (LINKLESS), TP, PGU-27	A	26,338	398,053	6.68	2,659	762,941	6.80	5,188	753,824	6.93	5,224			
Q4050	20MM, PGU-28, BULK (LINKLESS), HEI, AA22	A	4,508	-	-	-	13,774	32.67	450	-	-	-			
TBD	20MM, BULK (LINKLESS), HEI	A	0	-	-	-	-	-	-	171,978	33.26	5,720			
Q4060	20MM LINK, TP, PGU-27	A	1,944	381,500	8.62	3,290	574,800	8.77	5,041	328,300	8.94	2,935			
TBD	20MM, LINK HEI	A	0	-	-	-	-	-	-	277,149	35.36	9,800			
Q4860	Linking Effort of PGU-27 TP and PGU-30 TPT	A	756	-	-	-	-	-	-	-	-	-			
Q4800	Integrated Logistics Support		654			543			540			555			
Q4830	Prod. Engr. Sup.-Navy		8,294			1,230			1,600			1,638			
Q4850	Product Improvement Program		3,989			433			483			503			
Q4894	Gaging		55												
**Q4050	20MM, PGU-28, BULK (LINKLESS), HEI, AA22 (DERF)		0	-	-	-	401,588	23.66	9,500	-	-	-			
**Q4830	Prod. Engr. Sup.-Navy (DERF)		0	-	-	-			500	-	-	-			
***Q4010	20MM BULK (LINKLESS), TP, PGU-27 (COW)									105,148	6.93	729			
***TBD	20MM , BULK , HEI (COW)									113,990	8.94	1,019			
***Q4060	20MM, LINK, TP, PGU-27 (COW)									35,000	33.26	1,164			
***TBD	20MM LINK, HEI (COW)									43,869	35.36	1,551			
*Reflects FY95-FY00 only, these programs were funded in FY94 and prior from the Weapons Procurement, Navy (WPN) and Other Procurement, Navy (OPN) accounts.															
Pricing is provided by the Army and incorporates other services' buys.															
Unit cost for FY01 AA27 does not match actual cost because item is evenly packaged in 250.															
**\$10.0M of Defense Emergency Response Funding (DERF) was received to procure an estimated quantity of 401,588 PGU-28A/B Sapei rounds (Bulk). NON-ADD															
***Cost of War (COW) NON-ADD															
TOTAL			46,538			8,155			13,302			26,375			

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD		
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					MACHINE GUN AMMUNITION (BLI 015500)				J1Q4		
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF YES WHEN AVAILABLE	
20MM BULK (LINKLESS), TP, PGU-27											
FY00	33,000	6.68	ARMY OSC	N/A	FFP	GENERAL DYNAMICS	Apr-01	Feb-02	YES		
FY01	398,053	6.68	ARMY OSC	N/A	FFP	GENERAL DYNAMICS	Apr-01	Nov-01	YES		
FY02	762,941	6.80	ARMY OSC	N/A	FFP	TBD	Apr-02	Oct-02	YES		
FY03	753,824	6.93	ARMY OSC	N/A	FFP	TBD	Apr-03	Oct-03	YES		
20MM, PGU-28, BULK (LINKLESS), HEI, AA22											
FY02	13,774	32.67	ARMY OSC	N/A	FFP	TBD	Apr-02	Oct-02	YES		
20MM, BULK (LINKLESS), HEI											
FY03	171,978	33.26	ARMY OSC	N/A	FFP	TBD	Apr-03	Oct-03	YES		
20MM LINKED, TP, PGU-27											
FY99	114,042	8.65	ARMY OSC	N/A	FFP	GENERAL DYNAMICS	Aug-01	Feb-02	YES		
FY00	112,052	8.79	ARMY OSC	N/A	FFP	GENERAL DYNAMICS	Aug-01	Mar-02	YES		
FY01	381,500	8.62	ARMY OSC	N/A	FFP	GENERAL DYNAMICS	Apr-01	Dec-01	YES		
FY02	574,800	8.77	ARMY OSC	N/A	FFP	TBD	Apr-02	Oct-02	YES		
FY03	328,300	8.94	ARMY OSC	N/A	FFP	TBD	Apr-03	Oct-03	YES		
20MM, LINKED, HEI											
FY03	277,149	35.36	ARMY OSC	N/A	FFP	TBD	Apr-03	Oct-03	YES		
*20MM, PGU-28, BULK (LINKLESS), HEI, AA22 (DERF)											
FY02	401,588	23.66	ARMY OSC	N/A	FFP	GENERAL DYNAMICS	Dec-01	Jun-02	YES		
**20MM BULK (LINKLESS), TP, PGU-27 (COW)											
FY03	105,148	6.93	ARMY OSC	N/A	FFP	GENERAL DYNAMICS	Apr-03	Oct-03	YES		
**20MM LINK, TP, PGU-27 (COW)											
FY03	113,990	8.94	ARMY OSC	N/A	FFP	GENERAL DYNAMICS	Apr-03	Oct-03	YES		
D. REMARKS:											
FY00 Contract was split between Alliant Tech and Primex, which has two different unit costs.											
Pricing is provided by the Army and incorporates other services' buys.											
*\$10.0M of Defense Emergency Response Funding (DERF) was received to procure											
an estimated quantity of 401,588 PGU-28A/B Saphei rounds (Bulk).											
**COST OF WAR (COW) FUNDING											

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B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				A. DATE	
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					MACHINE GUN AMMUNITION (BLI 015500)				February 2002	
SUBHEAD									J1Q4	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF YES WHEN AVAILABLE
20MM, BULK (LINKLESS), HEI FY03	35,000	33.26	ARMY OSC	N/A	FFP	TBD	Apr-03	Oct-03	YES	
20MM, LINKED, HEI FY03	43,869	35.36	ARMY OSC	N/A	FFP	TBD	Apr-03	Oct-03	YES	
D. REMARKS: COST OF WAR (COW) FUNDING										

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: FEBRUARY 2002			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS							P-1 ITEM NOMENCLATURE PRACTICE BOMBS (J1Q1) (BLI 016000)				
Program Element for Code B Items: B.A.1 - Navy Ammunition							Other Related Program Elements				
	Prior Years	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY											
COST (In Millions)	\$186.2	A	\$62.5	\$37.2	\$65.6	\$42.8	\$44.7	\$47.9	\$51.0	CONT	CONT
NON-ADD COST OF WAR					\$36.3	\$41.3	\$39.8	\$37.7	\$45.6	CONT	CONT
<p>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 G. P. 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.</p> <p>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.</p> <p>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.</p> <p>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> <p>Non-Add Cost of War - Additional funding provided FY03-FY07 will be used to procure live and inert bomb bodies, fins, fuzes, etc.</p> <p>Formerly managed under PEO(T) and subhead Y1Q1, this program was transferred to PEO(W). Beginning with FY-01, it will be executed under subhead J1Q1.</p>											
Navy Reserves	<u>01</u> 1.1	<u>02</u> 1.9	<u>03</u> 2.0	<u>04</u> 2.0	<u>05</u> 1.9	<u>06</u> 2.0	<u>07</u> 2.0				

P-1 SHOPPING LIST

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a							DATE: FEBRUARY 2002			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS						P-1 ITEM NOMENCLATURE PRACTICE BOMBS (J1Q1) (BLI 016000)				
Procurement Items	ID Code	Prior Years	FY2001	FY 2002	FY 2003				To Complete	Total
MK 76	A	--								
QTY			275,000	133,509	150,000					
FUNDING			\$5,682	\$4,087	\$4,529				Cont	Cont
BDU-45	A	--								
QTY			10,698	13,996	10,000					
FUNDING			\$11,926	\$15,899	\$11,218				Cont	Cont
BSU-86A/B	A	--								
QTY			1,956	0	6,087					
FUNDING			\$3,951	\$0	\$12,919				Cont	Cont
LGTR	A	--								
QTY			8,468	5,897	6,476					
FUNDING			\$16,936	\$12,089	\$13,608				Cont	Cont
MK 83 INERT	A	--								
QTY			9,840	0	8,759					
FUNDING			\$18,884	\$0	\$17,092				Cont	Cont
BDU-48										
QTY										
FUNDING			\$0	\$0	\$0					
OTHER COSTS		--	\$5,143	\$3,106	\$4,257				Cont	Cont
Miscellaneous Items		--	\$0	\$2,000	\$2,000				Cont	Cont
TOTAL:		\$186,156	\$62,522	\$37,181	\$65,623				Cont	Cont

P-1 SHOPPING LIST

CLASSIFICATION:

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WEAPONS SYSTEM COST ANALYSIS P-5							Weapon System			DATE: FEBRUARY 2002					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS B.A. 1 - Navy Ammunition							ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD PRACTICE BOMBS (J1Q1) (BLI 016000)							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2001			FY 2002			FY 2003					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	<u>PROCUREMENTS</u>														
Q1010	MK 76 (E973)	A	--	275,000	20.66	5,682	133,509	30.61	4,087	150,000	30.19	4,529			
Q1040	BDU-45/B, MK 82 INERT (F017)	A	--	10,698	1,114.79	11,926	13,996	1,135.98	15,899	10,000	1,121.76	11,218			
Q1046	BSU-86A/B FIN (EA53)	A	--	1,956	2,020.09	3,951			0	6,087	2,122.36	12,919			
Q1300	LASER GUIDED TRAINING ROUND	A	--	8,468	2,000.00	16,936	5,897	2,050.00	12,089	6,476	2,101.25	13,608			
Q1060	MK 83 INERT (E511)	A	--	9,840	1,919.13	18,884			0	8,759	1,951.31	17,092			
	NON-ADD COST OF WAR														
	MK 76 (E973)									10,000	30.19	302			
	BDU-48 (E962)									27,000	30.83	832			
	MK 82 INERT									1,600	1,081.00	1,730			
	MK 84 INERT									4,000	3,050.00	12,200			
	MK 82 LIVE									2,717	2,557.00	6,947			
	BSU-33 CONICAL FINS (F782)									8,136	195.00	1,587			
	MK 83 CONICAL FIN									5,372	250.00	1,343			
	BSU-85 FIN									2,552	850.00	2,169			
	FMU-139B/B FUZE									4,600	2,000.00	9,200			
	<u>PROCUREMENT SUPPORT AND OTHER</u>														
Q1800	ILS		--			420			400			400			
Q1830	PES		--			4,123			2,106			3,267			
Q1850	PIP		--			350			350			340			
Q1894	GAGING		--			250			250			250			
Q1TBA	MISCELLANEOUS ITEMS					0			2,000			2,000			
				186,156		62,522			37,181			65,623			

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P-1 SHOPPING LIST

CLASSIFICATION:

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CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE FEBRUARY 2002		
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					C. P-1 ITEM NOMENCLATURE PRACTICE BOMBS				SUBHEAD 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 01	275,000	20.66	Rock Island, IL	Oct-00	C/FP	DELFASCO	Mar 01	Jan-02	YES	
FY 02	133,509	30.61	Rock Island, IL	TBD	C/FP	UNKNOWN	Apr 02	May-03	YES	
FY 03	150,000	30.19	Rock Island, IL	TBD	C/FP	UNKNOWN	Apr 03	May-04	YES	
Q1040 BDU-45/B, MK 82 INERT (F017)										
FY 01	10,698	1114.79	Rock Island, IL	Jan-00	SS/FP	MCALESTER, AAP	Jan-01	Nov-03	YES	
FY 02*	13,996	1135.98	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Feb-02	Jun-04	YES	
FY 03	10,000	1121.76	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Feb-03	Jun-05	YES	
Q1300 Laser Guided Training Round										
FY 01	8,468	2,000.00	NAVAIR	Jan-01	C/FP	LOCKHEED-MARTIN	Apr 01	Jun-02	YES	
FY 02	5,897	2,050.00	NAVAIR	TBD	C/FP	UNKNOWN	Apr-02	Jun-03	YES	
FY 03	6,476	2,101.25	NAVAIR	TBD	C/FP	UNKNOWN	Apr-03	Jun-04	YES	
Q1060 MK 83 Inert (E511)										
FY 01	9,840	1,919.13	Rock Island, IL	Aug-00	SS/FP	MCALESTER, AAP	Jan-01	Apr-04	YES	
FY 03	8,759	1,951.31	Rock Island, IL	Aug-01	SS/FP	MCALESTER, AAP	Jan 03	Apr 06	YES	
Q1046 BSU-86A/B FIN										
FY 01	1,956	2020.09	Rock Island, IL	Aug-00	C/FP	UNKNOWN	Dec 01	Jan 03	YES	
FY 03	6,087	2,122.36	Rock Island, IL	TBD	C/FP	UNKNOWN	Dec 03	Jan 05	YES	
<u>NON ADD COST OF WAR</u>										
MK 76 (E973)	10,000	30.19	Rock Island, IL	TBD	C/FP	UNKNOWN	Jan 03	Feb 04	YES	
BDU-48 (E962)	27,000	30.83	Rock Island, IL	TBD	C/FP	UNKNOWN	Jan 03	Feb 04	YES	
MK 82 INERT	1,600	1,081.00	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Jan 03	Feb 04	YES	
MK 84 INERT	4,000	3,050.00	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Jan 03	Feb 04	YES	
MK 82 LIVE	2,717	2,557.00	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Jan 03	Feb 04	YES	
BSU-33 CONICAL FINS (F782)	8,136	195.00	Rock Island, IL	TBD	C/FP	UNKNOWN	Jan 03	Feb 04	YES	
MK 83 CONICAL FIN	5,372	250.00	Rock Island, IL	TBD	C/FP	UNKNOWN	Jan 03	Feb 04	YES	
BSU-85 FIN	2,552	850.00	Rock Island, IL	TBD	C/FP	UNKNOWN	Jan 03	Feb 04	YES	
FMU-139B/B FUZE	4,600	2,000.00	Rock Island, IL	TBD	C/FP	UNKNOWN	Jan 03	Feb 04	YES	
D. REMARKS										
*The BDU-45/B unit cost increase in FY 02 is due to a McAlester LAP price increase.										

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BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2002					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS							P-1 ITEM NOMENCLATURE (BLI 018000) Cartridges and Cartridge Actuated Devices (CARTS/CADS) (J1Q8)					
Program Element for Code B Items: B.A.1 - Navy Ammunition							Other Related Program Elements					
	Prior Years	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total	Total
QUANTITY												
COST (In Millions)	\$134.2	A	\$23.8	\$19.2	\$26.4	\$27.3	\$27.5	\$28.0	\$28.5	Cont	Cont	Cont

Escape System/Life Support Devices
 These items, such as safety/arming devices, sequence controls, shielded mild detonating cord, gas generators, initiators, thermal batteries, etc, are used in aircraft emergency escape systems. The total number 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. Life support devices such as the Sea Water Activated Release System and the FLU-8B/P automatic life vest inflator are essential to crew survival after ejection. The budget request provides funding for the procurement of Naval Aircrew Common Ejection Seat (NACES) items, JAU-52/A and BBU-57/A Cutter.

Weapons/Stores Release Cartridges
 These items are used to eject weapons/stores from aircraft. The JAU-22 and other miscellaneous impulse cartridges are used to eject sonobuoys from aircraft. The budget request provides for CCU-107 Impulse Cartridges and the JAU-22/B Initiator Cartridge.

Integrated Logistics Support
 Integrated Logistics Support (ILS) efforts provide for ILS planning, maintenance standardization, conducting supply support, technical data programs, and generation and implementation of a traceability system.

Production Engineering Support
 The Production Engineering Support (PES) efforts include: the review of procurement requests, waivers and deviations, technical support of Lot Acceptance Testing/First Article Testing, as well as conforming to new EPA regulations.

Product Improvement Programs
 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.

Formally managed under PEO(T) subhead Y1Q8, this program was transferred to PEO(W), beginning with FY01 it will be executed with subhead J1Q8.
 *FY 95/96/97 only. Prior to FY 95, this program was funded in the Other Procurement, Navy BA-5 appropriation.

* FY02 funding reflects rescission (-\$7.3M) for Cost Growth.

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a							DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS						P-1 ITEM NOMENCLATURE (BLI 018000) Cartridges and Cartridge Actuated Devices (CARTS/CADS) (J1Q8)					
Procurement Items	ID Code	Prior Years	FY 2001	FY 2002	FY 2003				To Complete	Total	
CCU-107 Init. Ctg. (MT95)	A										
QTY			180,000	165,000	180,000				Cont	Cont	
Funding			\$826	\$952	\$945						
QTY *(MT95)				80,000							
Funding				\$478							
JAU-22/B Init. Ctg. (MF64)	A										
QTY			109,490	46,048	110,000						
Funding			\$1,788	\$757	\$1,860						
Thermal Battery (CWDR)	A										
QTY			286	86	334						
Funding			\$806	\$322	\$967						
BBU-57/A Cutter (SR95)	A										
QTY			52	0	86						
Funding			\$529	\$0	\$726						
JAU-52 (MJ91)	A										
QTY			227	190	191						
Funding			\$720	\$622	\$638						
Navy Aircrew Common Ejection Seat	A										
QTY											
Funding			\$1,040	\$1,780	\$2,475						
*Misc Devices			\$9,384	\$7,363	\$9,947						
Other Support			\$8,675	\$6,949	\$8,797						
TOTAL		\$134,242	\$23,768	\$19,223	\$26,355				Cont	Cont	

P-1 SHOPPING LIST

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WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS B.A.1 - Navy Ammunition				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD (BLI 018000) Cartridges and Cartridge Actuated Devices (CARTS/CADS) (J1Q8)											
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 2001			FY 2002			FY 2003						
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
	STORES RELEASE															
Q8200	CCU-107 Imp Ctg (MT95)	A		180,000	4.59	826	165,000	5.77	952	180,000	5.25	945				
	CCU-107 Imp Ctg (MT95)*						80,000	5.97	478							
Q8090	JAU-22/B Init. Ctg. (MF64)	A		109,490	16.33	1,788	46,048	16.44	757	110,000	16.91	1,860				
	SAFETY															
Q8060	Thermal Battery (CWDR)	A		286	2,818.00	806	86	3,741.00	322	334	2,894.59	967				
Q8080	BBU-57/A Cutter (SR95)	A		52	10,168.81	529			0	86	8,443.74	726				
Q8120	JAU-52/B Init.Ctg (MJ91)	A		227	3,170.00	720	190	3,271.80	622	191	3,341.15	638				
Q8300	Navy Aircrew Common Ejection Seat	A				1,040			1,780			2,475				
Q8600	*Misc Devices Under \$500K					9,384			7,363			9,947				
Q8800	Integrated Logistics Support					1,820			1,787			1,824				
Q8830	Production Engineering Support					2,616			1,774			2,565				
Q8840	Quality Assurance					382			398			422				
Q8850	Product Improvement Program					2,659			1,767			2,730				
Q8860	Acceptance Testing					1,198			1,223			1,256				
TOTAL				134,242		23,768			19,223			26,355				0

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE					SUBHEAD	
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					(BLI 018000)						
B.A.1 - Navy Ammunition					Cartridges and Cartridge Actuated Devices(CARTS/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	
<u>STORES RELEASE</u>											
Q8200 CCU-107 Imp Ctg (MT95)											
FY 01	180,000	4.59	NAVICP	Sep-00	C/FP	Hanley Industries, Inc, Alton, IL Technical Ordnance Inc. St. Bonifacius MN	Jun-01	Apr-02	YES		
FY 02	165,000	5.77	NAVICP	Nov-01	C/FP		Dec-01	Apr-03	YES		
	80000*	5.97	NAVICP	Sep-01	C/FP	Technical Ordnance Inc. St. Bonifacius MN	Oct-01	Dec-01	YES		
FY 03	180,000	5.25	NAVICP	TBD	C/FP		UNKNOWN	Apr-03	Apr-04	YES	
Q8090 JAU-22/B Init. Ctg (MF64)											
FY 01	109,490	16.33	NAVICP	Jan-01	C/FP	AMTEC Corp., Janesville, WI Bulova Technologies L.L.C Lancaster, PA	Feb-01	Apr-01	YES		
FY 02	46,048	16.44	NAVICP	Oct-01	C/FP		Nov-01	Apr-03	YES		
FY 03	110,000	16.91	NAVICP	TBD	C/FP		UNKNOWN	Apr-03	Apr-04	YES	
D. REMARKS											
*FY02 Emergency Buy											

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE					SUBHEAD	
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					(BLI 018000)					February 2002	
B.A.1 - Navy Ammunition					Cartridge & Cartridge Actuated Devices (CARTS/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	
SAFETY											
Q8060 Thermal Battery (CWDR)											
FY 01	286	2818.00	NAVAIR	Feb-01	SS/FP	Martin-Baker, London UK	Mar-01	Apr-02	YES		
FY 02	86	3741.00	NAVAIR	Oct-01	SS/FP	Martin Baker Aerospace Higher Denham, UK	Dec-01	Apr-03	YES		
FY 03	334	2894.59	NAVAIR	TBD	SS/FP	UNKNOWN	Apr-03	Apr-04	YES		
Q8080 BBU-57/A CUTTER (SR95)											
FY 01	52	10168.81	NAVICP	Aug-00	SS/FP	Northrop Grumman Corp, El Segundo, CA	Jul-01	Jan-03	YES		
FY 03	86	8443.74	NAVICP	TBD	SS/FP	Northrop Grumman Corp, El Segundo, CA	Apr-03	Oct-04	YES		
Q8120 JAU-52/B Init. Ctg (MJ91)											
FY 01	227	3170.00	NAVICP	Oct-00	SS/FP	*General Dynamics OTS, Redmond, WA	Apr 01	Apr 02	YES		
FY 02	190	3271.80	NAVICP	TBD	SS/FP	*General Dynamics OTS, Redmond, WA	Mar-02	Apr 03	YES		
FY 03	191	3341.15	NAVICP	TBD	SS/FP	*General Dynamics OTS, Redmond, WA	Apr 03	Apr 04	YES		
D. REMARKS											
*Primex Contract merged to General Dynamics.											

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BUDGET ITEM JUSTIFICATION SHEET								DATE:				
P-40								February 2002				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS							P-1 ITEM NOMENCLATURE (BLI 018100) Aircraft Escape Rockets/Catapults (J1Q9)					
Program Element for Code B Items: B.A.1 - Navy Ammunition							Other Related Program Elements					
	Prior Years	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total	Total
QUANTITY												
COST (In Millions)	\$56.1	A	\$9.1	\$10.7	\$10.8	\$11.4	\$11.4	\$11.6	\$11.8	Cont	Cont	Cont
<p>This program provides funding for rocket motors, rocket catapults and catapults used to eject crewmen from disabled aircraft. The program is structured to meet replacement requirements that are based on aircraft inventories and escape rocket/catapults service lives. 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 2002 and 2003 budget request provides continued funding for the procurement of MK 122 parachute deployment rocket motors, Mk 123/124 underseat rocket motors, various miscellaneous devices, PIP and associated production engineering and integrated logistics support.</p> <p>PES: Production Engineering Support efforts include the review of procurement requests, waivers and deviations, and technical support for First Article Testing/Lot Acceptance Testing. Conformance with new EPA regulations is part of the PES review.</p> <p>ILS: Integrated Logistics Support efforts will provide ILS planning, maintenance standardization, supply support, the generation and implementation of a traceability system, and technical data programs.</p> <p>PIP: Multi-year Product Improvement Programs consists of programs to ensure producibility and safety for the MK 122, MK123, MK 124, MK 100, MK 101, MK 74, MK 75, MK 86, MK 87, MK 88 USRMs (KU propellant and lead free double base), MK 16 ROCAT (10407 ROCAT), MK 83, MK 85, MK 121 TDRMS, and MK 79, MK 109, MK 113, Rocket Motors.</p> <p>Formally managed under PEO(T) subhead Y1Q9, this program was transferred to PEO(W), beginning with FY01 it will be executed with subhead J1Q9.</p> <p>*FY 95/96 & 97 only. Prior to FY 95, this program was funded in the Other Procurement, Navy BA-5 appropriation.</p>												

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WEAPONS SYSTEM COST ANALYSIS P-5			Weapon System			DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS B.A.1 - Navy Ammunition			ID Code A	P-1 ITEM NOMENCLATURE/SUBHEAD Aircraft Escape Rockets/Catapults (J1Q9) (BLI 018100)					

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 2001			FY 2002			FY 2003						
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
	SAFETY															
Q9070	MK122 Parachute Deploy. RKT Mtr(MT29)	A		245	2,220.00	544	246	2,720.00	669	212	2,814.03	597				
Q9080	MK123 Underseat Rkt Mtr (MT30)	A		10	4,745.70	47	20	5,670.00	113	60	8,187.73	491				
Q9081	MK124 Underseat Rkt Mtr (MT31)	A		20	4,745.70	95	40	5,670.00	227	94	8,187.73	770				
Q9130	*Misc Devices Under \$500K					3,103			4,111			3,229				
Q9820	Reliability Life					610			639			668				
Q9800	Integrated Logistics Support					988			1,020			1,033				
Q9830	Production Engineering Support					1,135			1,273			1,275				
Q9850	Product Improvement Program					1,842			1,921			1,947				
Q9860	Acceptance Test					724			714			757				
TOTAL					56,095			9,088			10,687			10,767		0

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CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE February 2002
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B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS B.A.1 - Navy Ammunition	C. P-1 ITEM NOMENCLATURE Aircraft Escape Rockets/Catapults (BLI 018100)	SUBHEAD J1Q9
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Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
<u>Q9070 MK 122 Parachute Deployment Rkt Mtr (MT29)</u>										
FY 00	148	2,991.89	NAVICP	Oct-99	C/FP	MARTIN-BAKER, UK	APR 00	APR 01	YES	
FY 01	245	2,220.00	NAVICP	Oct-00	C/FP	UPCo, Phoenix, AZ	MAR 01	APR 02	YES	
FY 02	246	2,720.00	NAVICP	TBD	C/FP	UNKNOWN	APR 02	APR 03	YES	
FY 03	212	2,814.03	NAVICP	TBD	C/FP	UNKNOWN	APR 03	APR 04	YES	
<u>Q9080 MK 123 Underseat Rkt Mtr (MT30)</u>										
FY 00	10	7,670.00	NAVICP	Oct-99	C/FP	MARTIN-BAKER, UK	APR 00	APR 01	YES	
FY 01	10	4,745.70	NAVICP	Oct-00	C/FP	MARTIN-BAKER, UK	MAR 01	APR 02	YES	
FY 02	20	5,670.00	NAVICP	TBD	C/FP	UNKNOWN	APR 02	APR 03	YES	
FY 03	60	8,187.73	NAVICP	TBD	C/FP	UNKNOWN	APR 03	APR 04	YES	
<u>Q9081 MK 124 Underseat Rkt Mtr (MT31)</u>										
FY 00	20	7,670.00	NAVICP	Oct-99	C/FP	MARTIN-BAKER, UK	APR 00	APR 01	YES	
FY 01	20	4,745.70	NAVICP	Oct-00	C/FP	MARTIN-BAKER, UK	MAR01	APR 02	YES	
FY 02	40	5,670.00	NAVICP	TBD	C/FP	UNKNOWN	APR 02	APR 03	YES	
FY 03	94	8,187.73	NAVICP	TBD	C/FP	UNKNOWN	APR 03	APR 04	YES	

D. REMARKS

FY02 unit price for the MK 122, MK 123 and Mk 124 units reflects that the KU propellant contained within the devices will be supplied as GFM (previous years and in FY03 and out, the material was purchased by the rocket motor manufacturer). Due to the scheduled closing of the current sole source of the propellant in 2001, we are purchasing a stockpile of the propellant for use until a new source is qualified. This purchase is being executed utilizing FY00 procurement dollars from the misc. devices budget line. The worth of the GFM is \$155 and \$2450 for the MK 122 and MK 123/124s respectively. Thus the unit price for the devices in FY02 including the GFM worth is \$2875 and \$8120 respectively.

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BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: FEBRUARY 2002					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA-1 Navy Ammunition							P-1 ITEM NOMENCLATURE (BLI 018200) AIRBORNE EXPENDABLE C/M PROGRAM (S/H Y1QA)					
Program Element for Code B Items: RDT&E 0604270N							Other Related Program Elements					
	Prior Years*	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		To Complete	Total
QUANTITY												
COST (In Millions)	\$152.8		\$45.4	\$39.3	\$38.9	\$45.4	\$58.5	\$61.6	\$64.5		CONT	CONT
<p>FY2001 includes a \$6.5M Congressional Add for MJU-52/B IR and FY2002 includes a \$3.3M Congressional Add for MJU-52/B IR.</p> <p>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. Beginning in FY01, 1x1 countermeasures will be procured in support of the C-130J. These items are RR170A, operational chaff; RR188, training chaff, M206, magnesium fueled flare; MJU-50, pyrophoric decoy device and BBU35 impulse cartridge.</p> <p>Chaff Countermeasures: Replenishment of RR-129 and RR-144 stock began in FY 2000. The RR-195 (1X2) common chaff countermeasure is in support of the F/A-18 (E/F).</p> <p>Active Jammers: The Advanced Airborne Expendable Decoy (AAED), part of the ALE-50 program, enters the final year of production during FY01. 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. Initial FOTD procurement started FY 2001. AAED and FOTD were developed under PE 0604270N RDT&E, Project E2175.</p> <p>IR Decoys: The MJU-49/B will augment the MJU-27 decoy device on all rotary wing aircraft. The SM875A is a dedicated, low cost training device. Procurement of the MJU-52 (BOL IR) device began in FY 2000. The MJU-51 and MJU-53 (1x2 countermeasures) begin in FY 2003 and are part of the common IR solution for the F/A-18 E/F. Procurement of the Advanced Strategic and Tactical infrared Expendable (ASTE) MJU-47 and MJU-48 for the F/A-18 E/F begins in FY 2005. Procurement of the ALE-39 six inch kinematic (MJU57) and companion (MJU55) solution set of expendables begins in FY 2003. These expendables will provide enhanced protection for aircraft not slated to receive ASTE rounds.</p> <p>Impulse Cartridges: Used to propel the self-protection devices away from the aircraft. Beginning FY 2000 a Hazards of Electromagnetic Radiation (HERO) safe impulse cartridge CCU136A/A replaces the CCU136A. The BBU-36 is used with the MJU-47 and the BBU-35 is used with the MJU-48 and MJU-51; these items are being developed by the USAF led Advanced Strategic and Tactical Infrared Expendable (ASTE) Program. The CCU-144A and CCU145A are HERO safe versions of and will replace the BBU 36 and BBU35 respectively. The CCU144A and CCU145A IC's are being fielded as Product Improvements (PIPs) under this budget line.</p> <p>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.</p> <p>* FY 95-00 only. Prior to FY 95, this program was funded in the Weapons Procurement, Navy (WPN) and Other Procurement, Navy (OPN) appropriations.</p>												

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS						DATE: FEBRUARY 2002					
P-40a											
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE (BLI 018200)							
PROCUREMENT OF AMMUNITION,NAVY & MARINE CORPS/BA-1 Navy A				AIRBORNE EXPENDABLE C/M PROGRAM (S/H Y1QA)							
Procurement Items	ID Code	Prior Years *	FY 2001	FY 2002	FY 2003					To Complete	Total
ACTIVE JAMMERS											
AAED (ALE-50)	A										
Quantity		790		250	303						
Funding		16,550		6,000	7,272						
FOTD (IDECM)											
Quantity	B		30								
Funding			6,789								
TOWED DECOY TRNG RND											
Quantity	A	173									
Funding		850									
IR DECOYS											
MJU-27A/B Decoy											
Quantity	A	303,617	39,628								
Funding		25,260	3,160								
MJU-32/B											
Quantity	A	376,836	88,200	44,100	22,050						
Funding		10,870	2,728	1,455	734						
MJU-38/B											
Quantity	A	261,168	44,100	22,500	22,050						
Funding		8,924	1,221	855	840						
MJU-49/B (Helo)											
Quantity	A	53,520	31,714	56,000	39,000						
Funding		6,733	4,264	7,532	5,298						
SM875A											
Quantity	A	841,560	200,640		200,640						
Funding		5,171	1,049		1,043						
Page Total											
		74,358	19,211	15,842	15,187						

* FY95 through FY00 only

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a						DATE: FEBRUARY 2002					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION,NAVY & MARINE CORPS/BA-1 Navy A				P-1 ITEM NOMENCLATURE AIRBORNE EXPENDABLE C/M PROGRAM (S/H Y1QA)							
Procurement Items	ID Code	Prior Years *	FY 2001	FY 2002	FY 2003					To Complete	Total
MJU-50 (1X1 Pyrophoric)	A										
Quantity			5,527	5,832	5,832						
Funding			373	402	418						
MJU-51 ASTE SM	A										
Quantity					5,025						
Funding					820						
MJU-52 BOL IR	A										
Quantity		154,240	257,584	155,136	44,800						
Funding		3,972	6,461	3,892	1,165						
MJU-53 Common Flare	A										
Quantity					5,025						
Funding					305						
MJU-55 Companion	A										
Quantity					17,990						
Funding					2,159						
MJU-57 Kinematic	A										
Quantity					17,990						
Funding					3,238						
MJU-47 ASTE Kinematic	A										
Quantity											
Funding											
MJU-48 ASTE Companion	A										
Quantity											
Funding											
M206 (1X1) Mag	A										
Quantity			8,100	8,100	8,100						
Funding			111	112	114						
Page Total		3,972	6,945	4,406	8,219						

* FY95 through FY00 only

CLASSIFICATION:

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CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a						DATE: FEBRUARY 2002					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION,NAVY & MARINE CORPS/BA-1 Navy A				P-1 ITEM NOMENCLATURE AIRBORNE EXPENDABLE C/M PROGRAM (S/H Y1QA)							
Procurement Items	ID Code	Prior Years *	FY 2001	FY 2002	FY 2003					To Complete	Total
IMPULSE CARTRIDGES											
CCU-136A (GENERIC)	A										
Quantity		1,839,504									
Funding		4,635									
CCU-136A/A (HERO SAFE)	A										
Quantity		536,104	719,000	663,000							
Funding		3,157	3,150	2,944							
CCU-144A (HERO SAFE)	A										
Quantity					5,100						
Funding					41						
CCU-145A (HERO SAFE)	A										
Quantity					33,000						
Funding					264						
BBU-35	A										
Quantity			27,000	27,000							
Funding			84	86							
CHAFF COUNTERMEASURES											
RR-129A CHAFF CM	A										
Quantity		496,080	262,800	262,800	299,520						
Funding		4,762	2,223	2,223	2,627						
RR-144A TRNG CHAFF	A										
Quantity		97,920	100,080	99,840	99,840						
Funding		1,023	1,043	958	968						
RR-170A CHAFF 1X1	A										
Quantity			6,480	6,480	6,480						
Funding			25	25	25						
Page Total		13,577	6,525	6,236	3,925						

* FY95 through FY00 only

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a						DATE: FEBRUARY 2002					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION,NAVY & MARINE CORPS/BA-1 Navy A				P-1 ITEM NOMENCLATURE AIRBORNE EXPENDABLE C/M PROGRAM (S/H Y1QA)							
Procurement Items	ID Code	Prior Years *	FY 2001	FY 2002	FY 2003					To Complete	Total
RR-188 TRNG CHAFF 1X1	A										
Quantity			6,480	6,480	6,480						
Funding			19	19	19						
RR-195 COMMON CHAFF 1X2	A										
Quantity					5,025						
Funding					367						
VARIOUS (1)		4,461									
SUPPORT COSTS											
PRODUCTION ENGR		16,419	4,432	4,296	4,258						
PROD IMPROVEMENT		20,778	5,280	4,915	4,169						
ACCEP TEST & EVAL		17,366	2,341	3,268	2,328						
ILS		1,837	619	364	384						
Page Total		60,861	12,691	12,862	11,525						
Grand Total		152,768	45,372	39,346	38,856						

(1) The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 2000 and beyond.

* FY95 through FY00 only

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: FEBRUARY 2002			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA-1 Navy Ammunition				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD AIRBORNE EXPENDABLE C/M PROGRAM (S/H Y1QA)											
COST CODE	ELEMENT OF COST (BLI 018200)	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 2001			FY 2002			FY 2003						
			Total Cost *	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
	ACTIVE JAMMERS															
QA110	AAED (ALE-50)	A	16,550					250	24,000.00	6,000	303	24,000.00	7,272			
QA120	FOTD / IDECM	B		30	226,300.00	6,789										
QA125	TOWED DECOY TRNG RND	A	850													
	IR DECOYS															
QA130	MJU-27A/B DECOY DEVICE	A	25,260	39,628	79.74	3,160										
QA140	MJU-32/B ROTARY WING DECOY	A	10,870	88,200	30.93	2,728	44,100	32.99	1,455	22,050	33.29	734				
QA150	MJU-38/B TACAIR DECOY	A	8,924	44,100	27.69	1,221	22,500	38.00	855	22,050	38.10	840				
QA190	MJU-49/B DECOY DEVICE	A	6,733	31,714	134.45	4,264	56,000	134.50	7,532	39,000	135.85	5,298				
QA260	SM875A (TRAINING FLARE)	A	5,171	200,640	5.23	1,049				200,640	5.20	1,043				
QA210	MJU-50 (1X1 Pyrophoric)	A		5,527	67.49	373	5,832	68.93	402	5,832	71.67	418				
QA215	MJU-51 ASTE SM	A								5,025	163.18	820				
QA200	MJU-52 BOL IR	A	3,972	257,584	25.08	6,461	155,136	25.09	3,892	44,800	26.00	1,165				
QA220	MJU-53 Common Flare	A								5,025	60.70	305				
QA225	MJU-55 Companion	A								17,990	120.01	2,159				
QA230	MJU-57 Kinematic	A								17,990	179.99	3,238				
QA235	M206 (1X1) Magnesium	A		8,100	13.70	111	8,100	13.83	112	8,100	14.07	114				
PAGE TOTAL			78,330			26,156			20,248			23,406				

* FY95 through FY99 only

CLASSIFICATION:

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WEAPONS SYSTEM COST ANALYSIS P-5			Weapon System										DATE: FEBRUARY 2002			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA-1 Navy Ammunition			ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD AIRBORNE EXPENDABLE C/M PROGRAM (S/H Y1QA)												
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years*	FY 2001			FY 2002			FY 2003						
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
	IMPULSE CARTRIDGES															
QA090	CCU-136A (GENERIC)	A	4,635													
QA090	CCU-136A/A (HERO SAFE)	A	3,157	719,000	4.38	3,150	663,000	4.44	2,944							
QA100	CCU-144A	A								5,100	8.04	41				
QA115	CCU-145A	A								33,000	8.00	264				
QA060	BBU-35	A		27,000	3.11	84	27,000	3.19	86							
	CHAFF COUNTERMEASURES															
QA010	RR-129A CHAFF CM	A	4,762	262,800	8.46	2,223	262,800	8.46	2,223	299,520	8.77	2,627				
QA020	RR-144A TRNG CHAFF	A	1,023	100,080	10.42	1,043	99,840	9.60	958	99,840	9.70	968				
QA030	RR-170A CHAFF 1X1	A		6,480	3.86	25	6,480	3.86	25	6,480	3.86	25				
QA040	RR-188 TRNG CHAFF 1X1	A		6,480	2.93	19	6,480	2.93	19	6,480	2.93	19				
QA050	RR-195 COMMON CHAFF 1X2	A								5,025	73.03	367				
	SUPPORT COSTS															
QA830	PRODUCTION ENGINEERING		16,419			4,432			4,296			4,258				
QA850	PRODUCT IMPROVEMENT		20,778			5,280			4,915			4,169				
QA860	ACCEPTANCE TEST & EVALUATION		17,366			2,341			3,268			2,328				
QA800	ILS		1,837			619			364			384				
N/A	VARIOUS (1)		4,461													
P5 GRAND TOTAL			152,768			45,372			39,346			38,856				

* FY95 through FY99 only

(1) The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 2000 and beyond.

CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)							Weapon System		DATE	
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE (BLI 018200)				SUBHEAD	
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					AIRBORNE EXPENDABLE C/M PROGRAM				Y1QA	
BA-1 Navy Ammunition										
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
<u>ACTIVE JAMMERS</u>										
AAED (ALE-50) (DWCL) FY 00	224	18,348.21	Robins AFB, GA	N/A	SS/Option	Raytheon, Goleta, CA	Dec-99	Feb-01	YES	
(DWCL) FY 02	250	24,000.00	Robins AFB, GA	N/A	SS/Option	Raytheon, Goleta, CA	Feb-02	Sep-02	YES	
(DWCL) FY 03	303	24,000.00	Robins AFB, GA	N/A	SS/Option	Raytheon, Goleta, CA	Jan-03	Aug-03	YES	
FOTD (IDECM) (DWDQ) FY 01	30	226,300.00	NAVAIR PAX River	Jan-01	SS/FP	Sanders,Nashua, NH	Mar-01	Jul-02	YES	
<u>INFRARED DECOYS</u>										
MJU-27A/B DECOY (EWAA) FY 00	90,720	71.84	NSWC Crane, IN	Dec-99	SS/FP	Alloy, Chester Township, PA	May-00	Sep-00	YES	
(EWAA) FY 01	39,628	79.74	NSWC Crane, IN	Dec-00	SS/FP	Alloy, Chester Township, PA	Jul-01	Nov-01	YES	
MJU-32/B ROTARY WING DECOY (LA01) FY 01	88,200	30.93	NICP Mechanicsburg	Dec-00	C/FP	Kilgore, Toone, TN	Oct-01	Apr-02	YES	
(LA01) FY 02	44,100	32.99	NSWC Crane, IN	Dec-01	C/FP	NSWC Crane/Crane Army, IN	Dec-01	Oct-02	YES	
(LA01) FY 03	22,050	33.29	NICP Mechanicsburg	Dec-02	C/FP	TBD	Jun-03	Oct-03	YES	
MJU-38/B TACAIR DECOY (LA02) FY 00	130,074	27.69	NICP Mechanicsburg	Dec-99	C/FP	Kilgore, Toone, TN	Aug-00	Mar-02	YES	
(LA02) FY 01	44,100	27.69	NICP Mechanicsburg	Dec-00	C/FP	Kilgore, Toone, TN	Nov-00	Nov-01	YES	
(LA01) FY 02	22,500	38.00	NICP Mechanicsburg	Dec-01	C/FP	TBD	Jun-02	Oct-02	YES	
(LA01) FY 03	22,050	38.10	NICP Mechanicsburg	Dec-02	C/FP	TBD	Jun-03	Oct-03	YES	
D. REMARKS										

CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)							Weapon System		DATE		
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA-1 Navy Ammunition							C. P-1 ITEM NOMENCLATURE AIRBORNE EXPENDABLE C/M PROGRAM			SUBHEAD Y1QA	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE	
INFRARED DECOYS (CONT'D)											
MJU-49/B DECOY DEVICE (DWCI) FY 01	31,714	134.45	NSWC Crane, IN	Dec-00	SS/FP	Alloy, Chester Township, PA	May-01	Aug-01	YES		
(DWCI) FY 02	56,000	134.50	NSWC Crane, IN	Dec-01	SS/FP	Alloy, Chester Township, PA	May-02	Aug-02	YES		
(DWCI) FY 03	39,000	135.85	NSWC Crane, IN	Dec-01	SS/FP	Alloy, Chester Township, PA	May-03	Aug-03	YES		
SM875A TRNG FLARE (LA10) FY 00	200,640	4.85	NICP Mechanicsburg	Dec-99	C/FP	Lance Ordnance, Mayo, FL	May-00	Aug-01	YES		
(LA10) FY 01	200,640	5.23	NICP Mechanicsburg	Dec-00	C/FP	Martin Electronics, Perry, FL	Sep-01	Mar-02	YES		
(LA10) FY 03	200,640	5.20	NICP Mechanicsburg	Dec-02	C/FP	TBD	May-03	Nov-03	YES		
MJU-50 (1X1 Pyrophoric) (LA19) FY 01	5,527	67.49	NSWC Crane, IN	Jan-01	SS/FP	Alloy, Chester Township, PA	Aug-01	Jan-02	YES		
(LA19) FY 02	5,832	68.93	NSWC Crane, IN	Jan-02	SS/FP	Alloy, Chester Township, PA	Aug-02	Jan-03	YES		
(LA19) FY 03	5,832	71.67	NSWC Crane, IN	Jan-03	SS/FP	Alloy, Chester Township, PA	Aug-03	Jan-04	YES		
MJU-51 ASTE SM (LA20) FY 03	5,025	163.18	NSWC Crane, IN	Dec-02	SS/FP	Alloy, Chester Township, PA	Apr-03	Jul-03	NO	Dec-01	
BOL IR MJU-52 (DWCO) FY 00	154,240	25.75	NSWC Crane, IN	Dec-99	SS/FP	Alloy, Chester Township, PA	Jul-00	Dec-00	YES		
(DWCO) FY 01	257,584	25.08	NSWC Crane, IN	Dec-00	SS/FP	Alloy, Chester Township, PA	Jul-01	Dec-01	YES		
(DWCO) FY 02	155,136	25.09	NSWC Crane, IN	Dec-01	SS/FP	Alloy, Chester Township, PA	May-02	Dec-02	YES		
(DWCO) FY 03	44,800	26.00	NSWC Crane, IN	Dec-02	SS/FP	Alloy, Chester Township, PA	May-03	Dec-03	YES		
D. REMARKS											

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)							Weapon System		DATE		
B. APPROPRIATION/BUDGET ACTIVITY							C. P-1 ITEM NOMENCLATURE			SUBHEAD	
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS							AIRBORNE EXPENDABLE C/M PROGRAM			FEBRUARY 2002	
BA-1 Navy Ammunition										Y1QA	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE	
<u>INFRARED DECOYS (CONT'D)</u>											
MJU-53 COMMON FLARE (LA21) FY 03	5,025	60.70	NSWC Crane, IN	Dec-02	C/FP	TBD	Apr-03	Jul-03	NO	Nov-01	
MJU-55 Companion (TBD) FY 03	17,990	120.01	NSWC Crane, IN	Dec-02	C/FP	TBD	Apr-03	Jul-03	NO	Nov-02	
MJU-57 Kinematic (TBD) FY 03	17,990	179.99	NSWC Crane, IN	Dec-02	C/FP	TBD	Apr-03	Jul-03	NO	Nov-02	
M206 (L410) FY 01	8,100	13.70	IOC Rock Island, IL	Jan-01	C/FP	Kilgore, Toone, TN	Aug-01	Jan-02	YES		
(L410) FY 02	8,100	13.83	IOC Rock Island, IL	Jan-02	C/FP	TBD	Aug-02	Jan-03	YES		
(L410) FY 03	8,100	14.07	IOC Rock Island, IL	Jan-03	C/FP	TBD	Aug-03	Jan-04	YES		
<u>IMPULSE CARTRIDGES</u>											
CCU-136A GENERIC (SS36) FY 00	299,249	3.00	NICP Mechanicsburg	May-00	C/FP	Technical Ordnance Inc St. Bonifacius, MN	Jul-00	May-01	YES		
CCU-136A/A (HERO SAFE) (WA83) FY 00	536,104	5.89	NICP Mechanicsburg	Dec-99	C/FP	CAPCO, Grand Junction, CO	Apr-00	Jun-01	YES		
(WA83) FY 01	719,000	4.38	NICP Mechanicsburg	Dec-00	C/FP	CAPCO, Grand Junction, CO	Sep-01	Feb-02	YES		
(WA83) FY 02	663,000	4.44	NICP Mechanicsburg	Dec-01	C/FP	TBD	Jun-02	Feb-02	YES		
CCU-144A (HERO SAFE) (WB23) FY 03	5,100	8.04	NICP Mechanicsburg	Dec-02	C/FP	TBD	May-03	Feb-04	YES		
D. REMARKS											

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			DATE			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE					SUBHEAD	
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					AIRBORNE EXPENDABLE C/M PROGRAM					Y1QA	
BA-1 Navy Ammunition											
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE	
<u>IMPULSE CARTRIDGES (CONT'D)</u>											
CCU-145A (HERO SAFE) (WB24) FY 03	33,000	8.00	NICP Mechanicsburg	Dec-02	C/FP	TBD	May-03	Feb-04	YES		
BBU-35 (MY74) FY 01	27,000	3.11	NICP Mechanicsburg	Jan-01	C/FP	Technical Ordnance Inc St. Bonifacius, MN	Aug-01	Feb-02	YES		
(MY74) FY 02	27,000	3.19	NICP Mechanicsburg	Jan-02	C/FP	TBD	Aug-02	Feb-03	YES		
<u>CHAFF COUNTERMEASURES</u>											
RR-129A CHAFF CM (DWCF) FY 00	496,080	9.60	NICP Mechanicsburg	Jan-00	C/FP	BAE Systems Inc,Austin, TX	Aug-00	Dec-00	YES		
(DWCF) FY 01	262,800	8.46	NICP Mechanicsburg	Jan-01	C/FP	BAE Systems Inc,Austin, TX	Jul-01	Dec-01	YES		
(DWCF) FY 02	262,800	8.46	NICP Mechanicsburg	Jan-02	C/FP	BAE Systems Inc,Austin, TX	Dec-01	Dec-02	YES		
(DWCF) FY 03	299,520	8.77	NICP Mechanicsburg	Jan-03	C/FP	TBD	Apr-03	Dec-03	YES		
RR-144A TRNG CHAFF (DWCB) FY 01	100,080	10.42	NICP Mechanicsburg	Jan-01	C/FP	BAE Systems Inc,Austin, TX	Apr-01	Dec-01	YES		
(DWCB) FY 02	99,840	9.60	NICP Mechanicsburg	Jan-02	C/FP	TBD	Apr-02	Dec-02	YES		
(DWCB) FY 03	99,840	9.70	NICP Mechanicsburg	Jan-03	C/FP	TBD	Apr-03	Dec-03	YES		
D. REMARKS											

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		DATE			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA-1 Navy Ammunition						C. P-1 ITEM NOMENCLATURE AIRBORNE EXPENDABLE C/M PROGRAM			SUBHEAD FEBRUARY 2002 Y1QA		
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE	
<u>CHAFF COUNTERMEASURES CONT'D</u>											
RR-170A CHAFF (4W59) FY 01	6,480	3.86	NICP Mechanicsburg	Dec-00	C/FP	BAE Systems Inc,Austin, TX	Apr-01	Sep-01	YES		
(4W59) FY 02	6,480	3.86	NICP Mechanicsburg	Dec-01	C/FP	TBD	Apr-02	Sep-02	YES		
(4W59) FY 03	6,480	3.86	NICP Mechanicsburg	Dec-02	C/FP	TBD	Apr-03	Sep-03	YES		
RR-188 TRNG CHAFF (3W37) FY 01	6,480	2.93	NICP Mechanicsburg	Dec-00	C/FP	BAE Systems Inc,Austin, TX	May-01	Sep-01	YES		
(3W37) FY 02	6,480	2.93	NICP Mechanicsburg	Dec-01	C/FP	TBD	May-02	Sep-02	YES		
(3W37) FY 03	6,480	2.93	NICP Mechanicsburg	Dec-02	C/FP	TBD	May-03	Sep-03	YES		
RR-195 COMMON CHAFF (TBD) FY 03	5,025	73.03	NICP Mechanicsburg	Jan-03	SS/FP	BAE Systems Inc,Austin, TX	May-03	Oct-03	NO	Jan-03	
D. REMARKS											

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET						DATE: February 2002					
P-40											
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE C			P-1 ITEM NOMENCLATURE JATO (JET ASSISTED TAKE OFF) (J1Q7) (BLI 019400)								
Program Element for Code B Items:			Other Related Program Elements								
	Prior Years*	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY											
COST (In Millions)	\$23.9	A	4.9	4.7	4.5	4.9	4.9	4.9	5.0	Continuing	Continuing
<p>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).</p> <p>Intended use: Two MK 117s are used to launch one BQM 74C target. One MK 125 is used to launch the Pioneer RPV.</p> <p>Product Improvement: Develop and qualify alternative ignition material that will result in a lower cost.</p> <p>*Prior Years Reflects FY95-FY00 only, these programs were funded in FY94 and prior from the Other Procurement Navy (OPN) account.</p> <p>Formerly managed under PEO(T) and subhead Y1Q7, this program was transferred to PEO(W). Beginning with FY 01, it will be executed under subhead J1Q7.</p>											
NAVY RESERVE			<u>FY01</u> \$0.1	<u>FY02</u> \$0.1	<u>FY03</u> \$0.1	<u>FY04</u> \$0.1	<u>FY05</u> \$0.1	<u>FY06</u> \$0.1	<u>FY07</u> \$0.1		
*Less than \$50K											

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5											DATE: February 2002	
APPROPRIATION/BUDGET ACTIVITY UREM NAVY & MARINE CORPS (\$000'S) (BLI 019400)												
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS									
			Prior Years*	FY 2001			FY 2002			FY 2003		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
Q7040	MK 117 MOD O ROCKET MOTOR (H341)	A	14,065	804	3493.85	2,809	355	3552.19	1,261	659	3620.68	2,386
Q7050	MK 125 RATO (H311/HA19)	A	5,142	276	4558.00	1,258	525	4638.00	2,434	215	4726.00	1,015
Q7800	Integrated Logistics Support		544			165			163			170
Q7830	Production Engineering Support		2,302			497			529			491
Q7850	Product Improvement Program		1,889			220			341			474
			23,942			4,949			4,728			4,536

*Prior Years Reflects FY95-FY00 only, these programs were funded in FY94 and prior from the Other Procurement Navy (OPN) account.

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CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE February 2002			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					C. P-1 ITEM NOMENCLATURE JATO (JET ASSISTED TAKE OFF) (J1Q7)				SUBHEAD J1Q7		
					(BLI 019400)						
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF YES WHEN AVAILABLE	
Q7040 MK 117 JATO ROCKET MOTOR (H341)											
FY 01	804	3493.85	NAVAIR	N/A	N/A	NSWC IH (IH, MD)	Apr-01	Apr-02	YES		
FY 02	355	3552.19	NAVAIR	N/A	N/A	NSWC IH (IH, MD)	Apr-02	Apr-03	YES		
FY 03	659	3620.68	NAVAIR	N/A	N/A	NSWC IH (IH, MD)	Apr-03	Apr-04	YES		
Q7050 MK 125 RATO (H311/HA19)											
FY 01 (HA19)	276	4558.00	NAVAIR	N/A	N/A	NSWC IH (IH, MD)	Apr-01	Jun-02	YES		
FY 02 (HA19)	525	4638.00	NAVAIR	N/A	N/A	NSWC IH (IH, MD)	Apr-02	Apr-03	YES		
FY 03 (HA19)	215	4726.00	NAVAIR	N/A	N/A	NSWC IH (IH, MD)	Apr-03	Apr-04	YES		
D. REMARKS											

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1							P-1 ITEM NOMENCLATURE 5"/54 GUN AMMUNITION						
Program Element for Code B Items: SUBHEAD NO. 11AC							Other Related Program Elements BLIN: 025000						
	Prior Years	ID Code		FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY													
COST (In Millions)					\$14.8	\$16.1	\$12.3	\$14.2	\$21.3	\$38.9	\$23.7		

ITEM DESCRIPTION/JUSTIFICATION:

* Note: Funding includes Congressional Add of \$4.2M for Propellant Continuous Processing with adjustment of \$51K per Section 8123 Management Reform.

This is a round of ammunition (separate loading ammunition) fired from cruiser and destroyer type combatant ships against air, surface and shore targets. There are also numerous barrels located at schools and engineering test sites.

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

PRODUCTION ENGINEERING: 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.

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.

P-1 SHOPPING LIST

CLASSIFICATION:

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CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								P-1 ITEM NOMENCLATURE 5"/54 GUN AMMUNITION					
Program Element for Code B Items: SUBHEAD NO. 11AC								Other Related Program Elements BLIN: 025000					
	Prior Years	ID Code		FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY													
COST (In Millions)					\$14.8	\$16.1	\$12.3	\$14.2	\$21.3	\$38.9	\$23.7		

CONTINUED:

* Note: Funding includes Congressional Add of \$4.2M for Propellant Continuous Processing with adjustment of \$51K per Section 8123 Management Reform.

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

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

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

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

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CLASSIFICATION:

WEAPONS SYSTEM COST ANALYSIS P-5		Weapon System		DATE: February 2002
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1		ID Code 025000	P-1 ITEM NOMENCLATURE/SUBHEAD 5"/54 GUN AMMUNITION SUBHEAD NO. 11AC	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2000			FY 2001			FY 2002			FY 2003		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AC100	5"/54 CHARGE, PROPELLING (FULL) 5"/54 BL&P	D326 D349					12,000	266.39	3,197	12,000	261.98	3,144	21,000 12,000	299.91 252.11	6,298 3,025
	PE/QA (SMCA)							8			5				11
AC830	PRODUCTION ENGINEERING								2,253			1,003			1,362
AC850	PRODUCT IMPROVEMENT								1,342			0			1,181
AC893	RENOVATION COMPONENTS								7,460			7,232			0
AC894	GAUGE REQUIREMENTS								375			350			375
AC895	NON-STANDARD ITEMS								175			180			0
AC896	PROPELLANT CONTINUOUS PROCESSING											4,149			
			0			0			14,810			16,063			12,252

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CLASSIFICATION:

**WEAPONS SYSTEM COST ANALYSIS
P-5**

Weapon System

DATE:

February 2002

APPROPRIATION/BUDGET ACTIVITY

PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1

ID Code
025000

P-1 ITEM NOMENCLATURE/SUBHEAD
**5"/54 GUN AMMUNITION
SUBHEAD NO. 11AC**

COST CODE	ELEMENT OF COST																				
		FY 2004			FY 2005			FY 2006			FY 2007			To Complete		Total					
		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Cost	Quantity	Cost				
AC100	5"/54 CHARGE, PROP (FULL) (D326)				21,000	310.99	6,531	50,000	472.40	23,620	17,500	473.18	8,281								
	5"/54 BL & P (D349)	20,000	255.59	5,112	12,000	261.83	3,142	12,000	267.00	3,204	12,000	272.29	3,267								
	PE/QA (SMCA)			6			11			12			13								
AC830	PRODUCTION ENGINEERING			1,342			1,454			1,444			1,555								
AC850	PRODUCT IMPROVEMENT			1,000			292			310			258								
AC893	RENOVATION COMPONENTS			6,107			9,288			9,648			9,678								
AC894	GAUGE REQUIREMENTS			400			425			450			475								
AC895	NON-STANDARD ITEMS			190			195			200			205								
				14,157					21,338					38,888			23,732			0	0

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CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		A. DATE		
								February 2002		
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD	
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					5"/54 GUN AMMUNITION				11AC	
					BLIN: 025000					
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AC100										
5"/54 CHARGE, PROPELLING (FULL) D326 FY 2003	21000	299.91	AMCCOM DRSMC	Nov-02	MIPR	UNKNOWN	Mar-03	Jan-05	NO	Jul-02
5"/54 BL & P D349 FY 2000	11500	290.17	AMCCOM DRSMC	Nov-99	MIPR	CRANE AAA	Feb-00	Apr-02	YES	
FY 2001	12000	266.39	AMCCOM DRSMC	Nov-00	MIPR	CRANE AAA	Mar-01	Apr-03	YES	
FY 2002	12000	261.98	AMCCOM DRSMC	Nov-01	MIPR	UNKNOWN	Mar-02	Apr-04	YES	
FY 2003	12000	252.11	AMCCOM DRSMC	Nov-02	MIPR	UNKNOWN	Mar-03	Feb-05	NO	Jul-02
<p>D. REMARKS</p> <p>NOTE: All items shown are priced with available GFM.</p>										

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								P-1 ITEM NOMENCLATURE 5"/62 CAL EXTENDED RANGE GUIDED MUNITION (ERGM)					
Program Element for Code B Items: SUBHEAD NO. 11AK								Other Related Program Elements BLIN: 025300					
	Prior Years	ID Code		FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY													
COST (In Millions)					\$5.7	\$5.1	\$4.0	\$16.2	\$58.2	\$105.7	\$102.7		
<u>ITEM DESCRIPTION/JUSTIFICATION:</u>													
The Extended Range Guided Munition (ERGM) 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.													
<u>PROCUREMENT:</u> The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.													
<u>PRODUCTION ENGINEERING:</u> Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.													
<u>PRODUCT IMPROVEMENT:</u> The requested funds provide engineering services and related effort by the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope. Typically, such improvements take advantage of newly developed materials, progress in the state-of-the-art, improved design and other technical advances to provide improved safety, reduced environmental impact, improved reliability/maintainability/availability, decreased cost, and/or correction of deficiencies exclusive of contractual specifications.													

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CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1							P-1 ITEM NOMENCLATURE 5"/62 CAL EXTENDED RANGE GUIDED MUNITION (ERGM)						
Program Element for Code B Items: SUBHEAD NO. 11AK							Other Related Program Elements BLIN: 025300						
	Prior Years	ID Code		FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY													
COST (In Millions)					\$5.7	\$5.1	\$4.0	\$16.2	\$58.2	\$105.7	\$102.7		
<p><u>CONTINUED:</u></p> <p><u>RENOVATION COMPONENTS:</u> The items purchased with funds identified for renovation components will be used to upgrade unserviceable rounds to ready-for-issue condition. The rounds to be renovated will be those with the lowest asset readiness positions.</p> <p><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.</p> <p><u>NON-STANDARD ITEMS:</u> The non-standard line is to support procurement of ammunition training aids and initial procurements of required non type classified munition items.</p> <p>All ammo procured with these funds is procured through the Navy</p>													

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CLASSIFICATION:

WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System						DATE: February 2002					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1						ID Code 025300		P-1 ITEM NOMENCLATURE/SUBHEAD 5"/62 CAL EXTENDED RANGE GUIDED MUNITION (ERGM) SUBHEAD NO. 11AK									
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS														
			Prior Years	FY 2000			FY 2001			FY 2002			FY 2003				
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
AK100	5"/62 CHG, PROPELLING EX-167 MOD 0 5"/62 INT BALLISTICS SIMULATOR TEST 5"/62 HANDLING CYCLE DUMMY RND	DWDC IBST HDUM					24	11625.00	279			261	2200.00	574	92	2200.00	202
												20	8000.00	160	92	10000.00	920
												20	5000.00	100	10	5000.00	50
AK831	PRODUCTION ENGINEERING								1,072					1,336			1,850
AK850	PRODUCT IMPROVEMENT								4,318					2,935			1,000
			0			0			5,669					5,105			4,022

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CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE February 2002
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B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1	C. P-1 ITEM NOMENCLATURE 5"/62 CAL EXT. RANGE GUIDED MUNITION BLIN: 025300	SUBHEAD 11AK
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Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AK100										
5"/62 CHG, PROPELLING EX-167 MOD 0 (DWDC)										
FY 2002	261	2200.00	NAVY	Nov-01	CONTRACT	UNKNOWN	Feb-02	Oct-03	YES	
FY 2003	92	2200.00	NAVY	Nov-02	CONTRACT	UNKNOWN	Feb-03	Oct-04	NO	Jul-02
5"/62 INT BALLISTICS SIM TEST (IBST)										
FY 2000	243	6514.00	NAVY	Nov-99	CONTRACT	NSWC DAHLGREN	Dec-00	Mar-01	YES	
FY 2001	24	11625.00	NAVY	Nov-00	CONTRACT	NSWC CRANE	Dec-00	Sep-02	YES	
FY 2002	20	8000.00	NAVY	Nov-01	CONTRACT	UNKNOWN	Mar-02	Jan-03	YES	
FY 2003	92	10000.00	NAVY	Nov-02	CONTRACT	UNKNOWN	Dec-02	Oct-03	NO	Jul-02
5"/62 HANDLING CYCLE DUMMY RND (HDUM)										
FY 2002	20	5000.00	NAVY	Nov-01	CONTRACT	UNKNOWN	Mar-02	Jan-03	YES	
FY 2003	10	5000.00	NAVY	Nov-02	CONTRACT	UNKNOWN	Dec-02	Oct-03	NO	Jul-02

D. REMARKS

NOTE: All items shown are priced with available GFM.

CLASSIFICATION:										UNCLASSIFIED									
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BUDGET ITEM JUSTIFICATION SHEET															DATE:				
P-40															February 2002				

APPROPRIATION/BUDGET ACTIVITY										P-1 ITEM NOMENCLATURE									
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1										76MM GUN AMMUNITION									
Program Element for Code B Items:										Other Related Program Elements									
SUBHEAD NO. 11AF										BLIN: 026500									

	Prior Years	ID Code	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY												
COST (In Millions)			\$8.7	\$1.0	\$8.3	\$1.3	\$8.1	\$15.5	\$10.8			

ITEM DESCRIPTION/JUSTIFICATION:

The 76MM caliber cartridge is a fixed round of ammunition for use in the MK 75 gun mount. Its primary use is against air targets, but it may be used against surface and shore targets. 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 United States Coast Guard (USCG) ships. At the end of FY 02 there will be weapon systems installed on guided missile frigates (FFG) and United States Coast Guard (USCG) ships. There are also numerous barrels located at schools and engineering test sites.

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

PRODUCTION ENGINEERING: 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.

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.

CLASSIFICATION:										UNCLASSIFIED									
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BUDGET ITEM JUSTIFICATION SHEET															DATE:				
P-40															February 2002				

APPROPRIATION/BUDGET ACTIVITY										P-1 ITEM NOMENCLATURE									
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1										76MM GUN AMMUNITION									

Program Element for Code B Items:										Other Related Program Elements									
SUBHEAD NO. 11AF										BLIN: 026500									

	Prior Years	ID Code		FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY													
COST (In Millions)				\$8.7	\$1.0	\$8.3	\$1.3	\$8.1		\$15.5		\$10.8	

CONTINUED:

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.

UNCLASSIFIED

CLASSIFICATION:

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

Weapon System

A. DATE

February 2002

B. APPROPRIATION/BUDGET ACTIVITY

PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1

C. P-1 ITEM NOMENCLATURE

76MM GUN AMMUNITION

SUBHEAD

11AF

BLIN: 026500

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
AF100										
76MM VT-NF C058										
FY 2000	3530	1075.70	AMCCOM DRSMC	Dec-99	MIPR	CRANE AAA	Jun-00	Apr-03	YES	
FY 2001	2088	1161.28	AMCCOM DRSMC	Dec-00	MIPR	CRANE AAA	Mar-01	Oct-03	YES	
FY 2003	972	797.29	AMCCOM DRSMC	Dec-02	MIPR	UNKNOWN	Mar-03	Sep-05	NO	Jul-02
76MM HE-PD C061										
FY 2003	2700	671.71	AMCCOM DRSMC	Dec-02	MIPR	UNKNOWN	Mar-03	Apr-05	NO	Jul-02
76MM BL&P C062										
FY 1998	2412	469.89	AMCCOM DRSMC	Dec-97	MIPR	CRANE AAA	Jun-98	Aug-02	YES	
FY 1998	6048	533.09	AMCCOM DRSMC	Dec-98	MIPR	CRANE AAA	May-99	Sep-02	YES	
FY 1999	3888	331.08	AMCCOM DRSMC	Dec-98	MIPR	CRANE AAA	May-99	Apr-03	YES	
FY 2000	3605	591.64	AMCCOM DRSMC	Dec-99	MIPR	CRANE AAA	Jun-00	Apr-03	YES	
FY 2001	9684	576.50	AMCCOM DRSMC	Dec-00	MIPR	CRANE AAA	Mar-01	Oct-03	YES	
FY 2003	7596	607.29	AMCCOM DRSMC	Dec-02	MIPR	UNKNOWN	Mar-03	Nov-04	NO	Jul-02

D. REMARKS

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST

ITEM NO.

12

PAGE NO.

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Classification:

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2002					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								P-1 ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION					
Program Element for Code B Items: SUBHEAD NO. 11AG								Other Related Program Elements					
BLIN: 027000													
	Prior Years	ID Code		FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY													
COST (In Millions)					\$5.1	\$7.3	\$10.0	\$17.9	\$21.2	\$42.7	\$34.9		
<u>ITEM DESCRIPTION/JUSTIFICATION:</u>													
This program provides ammunition (20MM through 84MM cartridges and rockets) in support of active Navy ships, and for active and reserve ashore warfare forces including mobile construction battalions (MCB), amphibious construction battalion (ACB), fleet combat readiness groups, inshore undersea warfare groups, and several other type operational units.													
<u>PROCUREMENT:</u> The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.													
<u>PRODUCTION ENGINEERING:</u> Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.													
<u>PRODUCT IMPROVEMENT:</u> The requested funds provide engineering services and related effort by the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope. Typically, such improvements take advantage of newly developed materials, progress in the state-of-the-art, improved design and other technical advances to provide improved safety, reduced environmental impact, improved reliability/maintainability/availability, decreased cost, and/or correction of deficiencies exclusive of contractual specifications.													
<u>NOTE:</u> Defense Emergency Response Fund (DERF) in the amount of \$6M with quantities and item totals identified on page 4A.													

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								P-1 ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION					
Program Element for Code B Items: SUBHEAD NO. 11AG								Other Related Program Elements BLIN: 027000					
	Prior Years	ID Code		FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY													
COST (In Millions)					\$5.1	\$7.3	\$10.0	\$17.9	\$21.2	\$42.7	\$34.9		
<p><u>CONTINUED:</u></p> <p><u>RENOVATION COMPONENTS:</u> The items purchased with funds identified for renovation components will be used to upgrade unserviceable rounds to ready-for-issue condition. The rounds to be renovated will be those with the lowest asset readiness positions.</p> <p><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.</p> <p><u>NON-STANDARD ITEMS:</u> The non-standard line is to support procurement of ammunition training aids and initial procurements of required non type classified munition items.</p> <p>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>													

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

PROCUREMENT PROGRAM - RESERVE COMPONENTS P-1R				Weapon System									DATE: February 2002		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1				ID Code 027001	P-1 ITEM NOMENCLATURE/SUBHEAD OTHER SHIP GUN AMMUNITION SUBHEAD NO. 11AG										
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2000			FY 2001			FY 2002			FY 2003		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AG000	OTHER SHIP GUN AMMUNITION									936		51	2,198		51
			0			0			0			51			51

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 2002		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1				ID Code 027000	P-1 ITEM NOMENCLATURE/SUBHEAD OTHER SHIP GUN AMMUNITION SUBHEAD NO. 11AG										
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2000			FY 2001			FY 2002			FY 2003		
			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	A976					49,280	12.83	632	86,020	12.99	1,117	97,405	12.67	1,234
	30MM CARTRIDGES CTG. 30MM, APDS	A351					3,100	30.47	95				3,400	34.43	117
	CTG. 30MM, HEI	B104					3,100	96.90	300	13,200	27.80	367	13,600	28.22	384
	CTG. 30MM, TP	B116					6,200	7.73	48	10,200	10.86	111	14,200	10.99	156
	40MM CARTRIDGES (GRENADE) CTG. 40MM, M430	B542								77,760	24.43	1,900	42,240	26.42	1,116
	CTG. 40MM, FIXED, PRAC	B576					95,744	12.95	1,240	73,024	13.36	976	160,800	12.60	2,026
	CTG. 40MM, BLANK, SAL (350 & 200)	B650					7,200	41.14	296						
	PE/QA (SMCA)								129			231			145
AG200	20MM CARTRIDGES CTG. 20MM, PLASTIC DUMMY	AA20					380,000	4.24	1,611						
	CTG. 20MM, SURFACE MODE	AA61					4,926	27.00	133	70,370	27.00	1,900	139,400	30.00	4,182
	PE/QA (SMCA)								4			0			0
AG830	PRODUCTION ENGINEERING								607			650			685
AG850	PRODUCT IMPROVEMENT								4						
AG892	NON-STANDARD ITEMS								0						
AG893	RENOVATION COMPONENTS								0						
AG894	GAUGE REQUIREMENTS								30						
			0			0			5,129			7,252			10,045

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CLASSIFICATION:

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WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD OTHER SHIP GUN AMMUNITION												
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS														
			Prior Years	FY 2000			FY 2001			FY 2002			FY 2003				
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
	DEFENSE EMERGENCY RESPONSE FUND:																
	25MM CARTRIDGES CTG. 25MM, TP-T, M793	A976					132,165			1,800							
	40MM CARTRIDGES (GRENADE) CTG. 40MM, FIXED, PRAC	B576					280,000			4,200							
			0			0			6,000			0					0

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CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD		
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					OTHER SHIP GUN AMMUNITION				11AG		
					BLIN: 027000						
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE	
AG100											
25MM CARTRIDGES											
CTG. 25MM, TP-T, M793 A976											
FY 1999	32230	10.86	AMCCOM DRSMC	Oct-98	MIPR	ALLIANT TECH	Jun-01	Mar-03	YES		
FY 2001	49280	12.83	AMCCOM DRSMC	Oct-00	MIPR	ALLIANT TECH/PRIMEX	Feb-01	Apr-02	YES		
FY 2002	86020	12.99	AMCCOM DRSMC	Oct-01	MIPR	UNKNOWN	Apr-02	Jun-03	YES		
FY 2003	97405	12.67	AMCCOM DRSMC	Oct-02	MIPR	UNKNOWN	Apr-03	Jun-04	NO	Jul-02	
30MM CARTRIDGES											
CTG. 30MM, APDS A351											
FY 2001	3100	30.47	NSWC DAHLGREN	Oct-00	CONTRACT	UNKNOWN	Mar-02	Oct-03	YES		
FY 2003	3400	34.43	NSWC DAHLGREN	Oct-02	CONTRACT	UNKNOWN	Mar-03	Oct-04	NO	Jul-02	
CTG. 30MM, HEI B104											
FY 2001	3100	96.90	NSWC DAHLGREN	Oct-00	CONTRACT	UNKNOWN	Mar-02	Oct-03	YES		
FY 2002	13200	27.80	NSWC DAHLGREN	Oct-01	CONTRACT	UNKNOWN	Mar-02	Oct-03	YES		
FY 2003	13600	28.22	NSWC DAHLGREN	Oct-02	CONTRACT	UNKNOWN	Mar-03	Oct-04	NO	Jul-02	
CTG. 30MM, TP B116											
FY 2001	6200	7.73	NSWC DAHLGREN	Oct-00	CONTRACT	UNKNOWN	Mar-02	Oct-03	YES		
FY 2002	10200	10.86	NSWC DAHLGREN	Oct-01	CONTRACT	UNKNOWN	Mar-02	Oct-03	YES		
FY 2003	14200	10.99	NSWC DAHLGREN	Oct-02	CONTRACT	UNKNOWN	Mar-03	Oct-04	NO	Jul-02	
D. REMARKS											
NOTE: All items shown are priced with available GFM.											

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD		
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					OTHER SHIP GUN AMMUNITION				11AG		
					BLIN: 027000						
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	
AG 100 CONTINUED											
40MM CARTRIDGES (GRENADE)											
CTG. 40MM, M40 B542											
FY 2002	77760	24.43	AMCCOM DRSMC	Oct-01	MIPR	UNKNOWN	Feb-02	Oct-03	YES		
FY 2003	42240	26.42	AMCCOM DRSMC	Oct-02	MIPR	UNKNOWN	Jan-03	Aug-04	NO	Jul-02	
CTG. 40MM, FIXED, PRACTICE B576											
FY 1999	6848	12.38	AMCCOM DRSMC	Oct-98	MIPR	AMERICAN ORDNANCE	Sep-01	Apr-03	YES		
FY 2000	94112	12.19	AMCCOM DRSMC	Oct-99	MIPR	AMERICAN ORDNANCE	Nov-00	Feb-02	YES		
FY 2001	95744	12.95	AMCCOM DRSMC	Oct-00	MIPR	AMERICAN ORDNANCE	Sep-01	Mar-03	YES		
FY 2002	73024	13.36	AMCCOM DRSMC	Oct-01	MIPR	UNKNOWN	Feb-02	Apr-04	YES		
FY 2003	160800	12.60	AMCCOM DRSMC	Oct-02	MIPR	UNKNOWN	Jan-03	Mar-05	NO	Jul-02	
AG200											
20MM CARTRIDGES											
CTG. 20MM SURFACE MODE AA61											
FY 2001	4926	27.00	NSWC DALGREN	Oct-00	CONTRACT	UNKNOWN	Mar-02	Oct-03	YES		
FY 2002	70370	27.00	NSWC DALGREN	Oct-01	CONTRACT	UNKNOWN	Mar-02	Oct-03	YES		
FY 2003	139400	30.00	NSWC DALGREN	Oct-02	CONTRACT	UNKNOWN	Feb-03	Oct-04	NO	Jul-02	
D. REMARKS											
NOTE: All items shown are priced with available GFM.											

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1							P-1 ITEM NOMENCLATURE SMALL ARMS AND LANDING PARTY AMMUNITION						
Program Element for Code B Items: SUBHEAD NO. 11AH							Other Related Program Elements BLIN: 033500						
	Prior Years	ID Code		FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY													
COST (In Millions)					\$8.7	\$8.8	\$19.0	\$19.6	\$25.3	\$36.5	\$9.1		
<u>ITEM DESCRIPTION/JUSTIFICATION:</u>													
This program provides ammunition in support of active Navy ships and for active and reserve ashore warfare forces including: mobile construction battalions (MCB), amphibious construction battalion (ACB) and fleet combat readiness groups, inshore undersea warfare groups and several other type operational units.													
<u>PROCUREMENT:</u> The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.													
<u>PRODUCTION ENGINEERING:</u> Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.													
<u>PRODUCT IMPROVEMENT:</u> The requested funds provide engineering services and related effort by the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope. Typically, such improvements take advantage of newly developed materials, progress in the state-of-the-art, improved design and other technical advances to provide improved safety, reduced environmental impact, improved reliability/maintainability/availability, decreased cost, and/or correction of deficiencies exclusive of contractual specifications.													
<u>NOTE:</u> Defense Emergency Response Fund (DERF) in the amount of \$3M with quantities and item totals identified on page 5A.													

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1							P-1 ITEM NOMENCLATURE SMALL ARMS AND LANDING PARTY AMMUNITION						
Program Element for Code B Items: SUBHEAD NO. 11AH							Other Related Program Elements BLIN: 033500						
	Prior Years	ID Code		FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY													
COST (In Millions)					\$8.7	\$8.8	\$19.0	\$19.6	\$25.3	\$36.5	\$9.1		
<p><u>CONTINUED:</u></p> <p><u>RENOVATION COMPONENTS:</u> The items purchased with funds identified for renovation components will be used to upgrade unserviceable rounds to ready-for-issue condition. The rounds to be renovated will be those with the lowest asset readiness positions.</p> <p><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.</p> <p><u>NON-STANDARD ITEMS:</u> The non-standard line is to support procurement of ammunition training aids and initial procurements of required non type classified munition items.</p> <p>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>													

UNCLASSIFIED

CLASSIFICATION:

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PROCUREMENT PROGRAM - RESERVE COMPONENTS P-1R				Weapon System									DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1				ID Code 033501	P-1 ITEM NOMENCLATURE/SUBHEAD SMALL ARMS AND LANDING PARTY AMMUNITION SUBHEAD NO. 11AH											
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 2000			FY 2001			FY 2002			FY 2003			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
AH000	SMALL ARMS & LANDING PARTY AMMO										73,350		30	69,711		29
			0			0				0			30			29

UNCLASSIFIED

CLASSIFICATION:

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WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 2002		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1				ID Code 033500	P-1 ITEM NOMENCLATURE/SUBHEAD SMALL ARMS AND LANDING PARTY AMMUNITION SUBHEAD NO. 11AH										
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2000			FY 2001			FY 2002			FY 2003		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AH100	CONTINUED .45 CAL CARTRIDGES CTG. .45 CAL, BALL, WADCUTTER	A470					498,170	0.21	104	330,000	0.24	79			
	.50 CAL CARTRIDGES CTG. .50 CAL, LINKED, BALL	A555								470,000	1.71	804	180,000	1.70	306
	CTG. .50 CAL, LINKED & TRACER	A557				1,358,000	2.19	2,974					550,000	1.77	974
	CTG. .50 CAL, MK 211, APIT, M2	AA06				687,200	5.50	3,780	595,600	5.00	2,978	1,818,200	5.09	9,255	
	PE/QA (SMCA)							115			90			64	
AH830	PRODUCTION ENGINEERING							302			579			600	
AH850	PRODUCT IMPROVEMENT							0			0			0	
AH895	NON-STANDARD ITEMS							251			259			525	
AH350	MATCH AMMO							260			205			494	
SUBTOTAL (PAGE 2 OF P5)			0			0		7,786			4,994			12,218	
TOTAL			0			0		8,665			8,798			19,004	

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD		
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					SMALL ARMS & LANDING PARTY AMMO				11AH		
					BLIN: 033500						
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 1999	140800	0.27	AMCCOM DRSMC	Oct-98	MIPR	OLIN CORP	Sep-01	Jul-03	YES		
FY 2001	1818880	0.35	AMCCOM DRSMC	Oct-00	MIPR	OLIN CORP	Sep-01	May-02	YES		
FY 2002	1280000	0.32	AMCCOM DRSMC	Oct-01	MIPR	UNKNOWN	Feb-02	Apr-03	YES		
FY 2003	2000000	0.33	AMCCOM DRSMC	Oct-02	MIPR	UNKNOWN	Feb-03	May-04	NO	Jul-02	
CTG. 12 GA. NO. 9 A017											
FY 2002	250000	0.19	AMCCOM DRSMC	Oct-01	MIPR	UNKNOWN	Feb-02	May-03	YES		
5.56MM CARTRIDGES CTG. 5.56MM, BALL A059											
FY 2002	3774960	0.21	AMCCOM DRSMC	Oct-01	MIPR	UNKNOWN	Feb-02	Aug-03	YES		
CTG. 5.56MM, BALL A062											
FY 2002	1320000	0.54	AMCCOM DRSMC	Oct-01	MIPR	UNKNOWN	Feb-02	Aug-02 Aug-03	YES		
CTG. 5.56MM, LNKD A064											
FY 1999	1000000	0.30	AMCCOM DRSMC	Oct-00	MIPR	ALLIANT TECHSYSTEMS	Jul-01	Apr-02	YES		
FY 2003	182400	0.32	AMCCOM DRSMC	Oct-02	MIPR	UNKNOWN	Feb-03	Jun-04	NO	Jul-02	
CTG. 5.56MM, BLANK A080											
FY 2002	1370280	0.10	AMCCOM DRSMC	Oct-01	MIPR	UNKNOWN	Mar-02	Apr-04	YES		
FY 2003	699960	0.10	AMCCOM DRSMC	Oct-02	MIPR	UNKNOWN	Dec-02	Nov-03	NO	Jul-02	

D. REMARKS

NOTE: All items shown are priced with available GFM.

CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD		
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					SMALL ARMS & LANDING PARTY AMMO				11AH		
BLIN: 033500											
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	
AH100 CONTINUED											
.22 CAL CARTRIDGES											
CTG. .22, BALL, LR, MATCH A097											
FY 2002	300000	0.18	NSWC CRANE	Oct-01	COMM	UNKNOWN	Apr-02	Jul-03	YES		
FY 2003	160000	0.18	NSWC CRANE	Oct-02	COMM	UNKNOWN	Apr-03	May-04	NO	Jul-02	
7.62MM CARTRIDGES											
CTG. 7.62MM, M80 A131											
FY 2003	3248000	0.49	AMCCOM DRSMC	Oct-02	MIPR	UNKNOWN	Feb-03	Jun-04	NO	Jul-02	
CTG. 7.62MM, LKD M80 A165											
FY 2003	700500	0.43	AMCCOM DRSMC	Oct-02	MIPR	UNKNOWN	Feb-03	Jun-04	NO	Jul-02	
9MM CARTRIDGES											
CTG. 9MM, BALL A363											
FY 2002	15000000	0.11	AMCCOM DRSMC	Oct-01	MIPR	UNKNOWN	Feb-02	Aug-02	YES		
FY 2003	27652000	0.11	AMCCOM DRSMC	Oct-02	MIPR	UNKNOWN	Feb-03	Aug-03	NO	Jul-02	
CTG. 9MM, FX MARKING, RED AA12											
FY 1999	1197000	0.31	NSWC CRANE	Oct-98	COMM	SIMUNITION	Jul-01	Apr-02	YES		
FY 2003	700000	0.44	NSWC CRANE	Oct-02	COMM	UNKNOWN	Feb-03	Aug-03	NO	Jul-02	
CTG. 9MM, FRANGIBLE AA16											
FY 2003	1800000	0.33	NSWC CRANE	Oct-02	COMM	UNKNOWN	Apr-03	Apr-04	NO	Jul-02	
D. REMARKS											
NOTE: All items shown are priced with available GFM.											

CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD		
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					SMALL ARMS & LANDING PARTY AMMO				11AH		
BLIN: 033500											
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	
AH100 CONTINUED											
9MM CARTRIDGES CONTINUED											
CTG. 9MM, FX MARKING, BLUE AA21											
FY 1999	117800	0.30	NSWC CRANE	Oct-98	COMM	SIMUNITION	Jul-01	Apr-02	YES		
FY 2003	300000	0.44	NSWC CRANE	Oct-02	COMM	UNKNOWN	Feb-03	Aug-03	NO	Jul-02	
.45 CAL CARTRIDGES											
CTG. .45 CAL, BALL, WADCUTTER, MG A470											
FY 1999	157590	0.21	NSWC CRANE	Oct-98	COMM	IMI	Sep-01	Jul-02	YES		
FY 2001	498170	0.21	NSWC CRANE	Oct-00	COMM	IMI	Sep-01	Jul-02	YES		
FY 2002	330000	0.24	NSWC CRANE	Oct-01	COMM	UNKNOWN	Apr-02	Nov-02	YES		
.50 CAL CARTRIDGES											
CTG. .50 CAL, LINKED, BALL A555											
FY 2002	470000	1.71	AMCCOM DRSMC	Oct-01	MIPR	UNKNOWN	Feb-02	Sep-03	YES		
FY 2003	180000	1.70	AMCCOM DRSMC	Oct-02	MIPR	UNKNOWN	Dec-02	Sep-04	NO	Jul-02	
CTG. .50 CAL, LINKED & TRACER A557											
FY 1999	100600	1.88	AMCCOM DRSMC	Oct-00	MIPR	ALLIANT TECHSYSTEMS	Aug-01	Mar-02	YES		
FY 2000	572000	1.66	AMCCOM DRSMC	Oct-99	MIPR	ALLIANT TECHSYSTEMS	Mar-00	Dec-00	YES		
FY 2001	1358000	2.19	AMCCOM DRSMC	Oct-00	MIPR	ALLIANT TECHSYSTEMS	Feb-01	Feb-02	YES		
FY 2003	550000	1.77	AMCCOM DRSMC	Oct-02	MIPR	UNKNOWN	Dec-02	Aug-04	NO	Jul-02	

D. REMARKS

NOTE: All items shown are priced with available GFM.

CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE February 2002
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B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1	C. P-1 ITEM NOMENCLATURE SMALL ARMS & LANDING PARTY AMMO BLIN: 033500	SUBHEAD 11AH
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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
AH100 CONTINUED										
.50 CAL CARTRIDGES CONTINUED										
CTG. .50 CAL, MK 211, APIT, M2 AA06										
FY 2000	805600	5.50	AMCCOM DRSMC	Oct-99	MIPR	ALLIANT TECHSYSTEMS	Oct-01	Jul-02	YES	
FY 2001	687200	5.50	AMCCOM DRSMC	Oct-00	MIPR	ALLIANT TECHSYSTEMS	Oct-01	Oct-02	YES	
FY 2002	595600	5.00	AMCCOM DRSMC	Oct-01	MIPR	UNKNOWN	Mar-02	Mar-03	YES	
FY 2003	1818200	5.09	AMCCOM DRSMC	Oct-02	MIPR	UNKNOWN	Dec-02	Dec-03	NO	Jul-02

D. REMARKS

NOTE: All items shown are priced with available GFM.

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET										DATE:			
P-40										February 2002			
APPROPRIATION/BUDGET ACTIVITY								P-1 ITEM NOMENCLATURE					
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								PYROTECHNICS AND DEMOLITION MATERIAL					
Program Element for Code B Items:								Other Related Program Elements					
SUBHEAD NO. 11AJ								BLIN: 034000					
	Prior Years	ID Code		FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY													
COST (In Millions)					\$6.3	\$8.4	\$10.3	\$11.3	\$11.2	\$15.3	\$11.6		
ITEM DESCRIPTION/JUSTIFICATION:													
<p>This program provides pyrotechnics and demolition materials for all active naval vessels, amphibious and mobile construction battalions, mobile diving and salvage units, cargo handling and port groups, naval security groups, fleet composite operational readiness groups (formerly beachjumper unit (BJU's)) and explosive ordnance disposal groups/mobile units/detachments/teams. This program also provides materials to support the ship shock test program.</p> <p>Pyrotechnics are required to support the surface, air, ground, and underwater Navy requirements. These items consist of illumination, signalling, identification, and location devices using flare or smoke as the primary signalling 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. Fleet requirements are based upon CNO approved allowance lists for special needs on a case by case basis and worldwide fleet expenditure.</p> <p>PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.</p> <p>PRODUCTION ENGINEERING: 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>													

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PROCUREMENT PROGRAM - RESERVE COMPONENTS P-1R				Weapon System								DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1				ID Code 034000		P-1 ITEM NOMENCLATURE/SUBHEAD PYROTECHNICS AND DEMOLITION SUBHEAD NO. 11AJ										
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 2000			FY 2001			FY 2002			FY 2003			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
AJ100	PYROTECHNICS & DEMOLITION MATERIAL										17,500		84	6,288		83
			0			0				0			84			83

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WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1				ID Code 034000	P-1 ITEM NOMENCLATURE/SUBHEAD PYROTECHNICS AND DEMOLITION SUBHEAD NO. 11AJ												
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS														
			Prior Years	FY 2000			FY 2001			FY 2002			FY 2003				
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
AJ100	SIGNALS																
	SIGNAL, ILLUM, MARINE, RED	L191											7,200	67.38			485
	SIGNAL, ILLUM, MARINE, YELLOW	L192											7,200	67.00			483
	SIGNAL, ILLUM, MARINE, RED STA	L193											6,096	68.40			417
	SIGNAL, SMOKE ILLUM, MARINE, GR	L259				593		1015.82	602		151	1015.82	153				
	SIGNAL, SMOKE ILLUM, MARINE, YE	L260				593		1015.82	602		151	1015.82	153				
	SIGNAL, SMOKE ILLUM, MARINE, DI	L283									32,976	52.27	1,724				
	SIGNAL, SMOKE ILLUM, MARINE, RE	LA28									417	1212.66	506				
	MINE CHARGES & CHARGE CUTTERS																
	MAIN CHARGE DISRUPTOR	DWDF									2,000	55.33	111				
	LIGHTWEIGHT DISP. DISRUPTOR	DWDN				5,706		111.20	635				2,660	107.60			286
	CHG, DML, BLK, COMP C-4	M023				24,990		15.08	377								
	CHG, XPL CUT, TAPE, 1000 GM/MT	MM54				5,000		92.87	465								
	DET CORDS, CAPS & FUZES																
	FUZE, BLASTING, TIME	M670															
	SQUIB, ELECTRIC, MK 20 MOD C	MG61									9,950	38.71	385	328,000	0.16		53
	RF/DVC MK186-C	ML06				50		19540.00	977								
	BLASTING CAP, ELEC, MK 11	ML83									24,970	44.55	1,112				
	FIRING DEVICE, MK 62	MN81												1,800	867.70		1,562
	ACOUSTIC FIRING SYSTEM	NZZZ									450	3437.50	1,547	975	3504.48		3,417
SUBTOTAL (PAGE 1 OF P5)			0			0			3,658				5,691				6,703

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P-1 SHOPPING LIST
ITEM NO. 15

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CLASSIFICATION:

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CLASSIFICATION **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System								DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1				ID Code 034000	P-1 ITEM NOMENCLATURE/SUBHEAD PYROTECHNICS AND DEMOLITION SUBHEAD NO. 11AJ										
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2000			FY 2001			FY 2002			FY 2003		
			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 AND CARTRIDGES CTG. 50 CAL, MK 209	SS01										15,000	38.20	573	
	SHOCK TEST CHARGE SHOCK TEST CHARGE, 60 LB	XW65				300	1240.00	372	300	1338.00	402	450	1529.45	688	
	PE/QA (SMCA)							11			3			28	
AJ830	PRODUCTION ENGINEERING							1,011			1,025			1,041	
AJ850	PRODUCT IMPROVEMENT							932			946			959	
AJ893	RENOVATION COMPONENTS							105			106			108	
AJ894	GAUGE REQUIREMENTS							43			0			45	
AJ895	NON-STANDARD ITEMS							187			190			193	
	SUBTOTAL (PAGE 2 OF P5)		0			0		2661			2672			3635	
TOTAL			0			0		6,319			8,363			10,338	

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD		
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					PYROTECHNICS AND DEMOLITION				11AJ		
					BLIN: 034000						
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE	
AJ100											
SIGNALS											
SIGNAL, ILLUM, MARINE, RED L191											
FY 1998	20688	75.70	AMCCOM DRSMC	Oct-97	MIPR	SECURITY SIGNALS	Jun-99	Jan-02	YES		
FY 1999	9480	60.48	AMCCOM DRSMC	Oct-98	MIPR	SECURITY SIGNALS	Jun-99	Jun-02	YES		
FY 2003	7200	67.38	NSWC CRANE	Oct-02	CONTRACT	UNKNOWN	Apr-03	Apr-04	NO	Jul-02	
SIGNAL, ILLUM, MARINE, YELLOW L192											
FY 1999	6744	59.63	AMCCOM DRSMC	Oct-98	MIPR	SECURITY SIGNALS	Jun-99	Sep-01	YES		
FY 2003	7200	67.00	NSWC CRANE	Oct-02	CONTRACT	UNKNOWN	Apr-03	Apr-04	NO	Jul-02	
SIGNAL, ILLUM, MARINE, RED STA L193											
FY 2003	6096	68.40	NSWC CRANE	Oct-02	CONTRACT	UNKNOWN	Apr-03	Feb-04	NO	Jul-02	
SIGNAL, ILLUM, MARINE, GREEN L259											
FY 2001	593	1015.82	NSWC CRANE	Oct-00	CONTRACT	CRANE AAA	Oct-00	Sep-03	YES		
FY 2002	151	1015.82	NSWC CRANE	Oct-01	CONTRACT	CRANE AAA	Dec-01	Oct-03	YES		
SIGNAL, SMOKE ILLUM, MARINE, YELLOW L260											
FY 2001	593	1015.82	NSWC CRANE	Oct-00	CONTRACT	CRANE AAA	Oct-00	Sep-03	YES		
FY 2002	151	1015.82	NSWC CRANE	Oct-01	CONTRACT	CRANE AAA	Dec-01	Oct-03	YES		
D. REMARKS											
NOTE: All items shown are priced with available GFM.											

CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD	
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					PYROTECHNICS AND DEMOLITION				11AJ	
BLIN: 034000										
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										
SIGNALS CONTINUED										
SIGNAL, SMOKE ILLUM, MARINE, DISTRESS L283										
FY 1997	30024	38.79	AMCCOM DRSMC	Oct-96	MIPR	MARTIN ELECTRONICS	Apr-97	May-98	YES	
FY 1999	25272	46.84	AMCCOM DRSMC	Oct-98	MIPR	MARTIN ELECTRONICS	Sep-00	Feb-02	YES	
FY 2002	32976	52.27	NSWC CRANE	Oct-01	CONTRACT	UNKNOWN	Apr-02	Mar-03	YES	
SIGNAL, SMOKE ILLUM, MARINE, RED LA28										
FY 1999	620	1212.66	NSWC CRANE	Oct-98	CONTRACT	CRANE AAA	Dec-98	Feb-02	YES	
FY 2000	463	1212.66	NSWC CRANE	Oct-99	CONTRACT	CRANE AAA	Dec-01	Feb-02	YES	
FY 2002	417	1212.66	NSWC CRANE	Oct-01	CONTRACT	CRANE AAA	Dec-01	Oct-03	YES	
MINE CHARGES AND CUTTERS										
MAIN CHARGE DISRUPTOR DWDF										
FY 2000	5000	46.60	NSWC CRANE	Oct-99	CONTRACT	DIVERSIFIED MANUF.	Dec-00	Jun-02	YES	
FY 2002	2000	55.33	NSWC CRANE	Oct-01	CONTRACT	UNKNOWN	Apr-02	Dec-02	YES	
LIGHTWEIGHT DISPOSABLE DISRUPTOR DWDN										
FY 2001	5706	111.20	NSWC CRANE	Oct-00	CONTRACT	CRANE AAA	Oct-00	Nov-02	YES	
FY 2003	2660	107.60	NSWC CRANE	Oct-02	CONTRACT	UNKNOWN	Apr-03	May-04	NO	Jul-02

D. REMARKS

NOTE: All items shown are priced with available GFM.

CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2002			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION BLIN: 034000				SUBHEAD 11AJ	
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 AND FUZES CONTINUED FUZE, BLASTING, TIME M670 FY 2003	328000	0.16	AMCCOM DRSMC	Oct-02	MIPR	UNKNOWN	Apr-03	Feb-04	NO	Jul-02
SQUIB, ELECTRIC, MK 20 MOD 0 MG61 FY 1995	3440	64.96	NSWC CRANE	Oct-94	CONTRACT	NSWC INDIAN HEAD	Mar-97	Mar-02	YES	
FY 2002	9950	38.71	NSWC CRANE	Oct-01	CONTRACT	UNKNOWN	Apr-02	Apr-03	YES	
BLASTING CAP, ELEC, MK 11 ML83 FY 2000	44000	41.69	NSWC IH	Oct-99	CONTRACT	STRESAU LABORATORY	Jun-00	Aug-02	YES	
FY 2002	24970	44.55	NSWC CRANE	Oct-01	CONTRACT	UNKNOWN	Apr-02	Apr-03	YES	
FIRING DEVICE, MK 62 MN81 FY 2003	1800	867.70	NSWC CRANE	Oct-02	CONTRACT	UNKNOWN	Apr-03	Apr-04	NO	Jul-02
ACOUSTIC FIRING SYSTEM NZZZ FY 2002	450	3437.50	NSWC CRANE	Oct-01	CONTRACT	UNKNOWN	Aug-02	Feb-04	NO	Jul-02
FY 2003	975	3504.48	NSWC CRANE	Oct-02	CONTRACT	UNKNOWN	Apr-03	Oct-04	NO	Jul-02

D. REMARKS

NOTE: All items shown are priced with available GFM.

CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2002			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION BLIN: 034000				SUBHEAD 11AJ	
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 AND CARTRIDGES CTG, 50 CAL, MK 209 SS01										
FY 1995	2786	23.64	NSWC IH	Dec-94	CONTRACT	PROPELLEX	Sep-97	Jun-02	YES	
FY 1996	4481	23.64	NSWC IH	Feb-96	CONTRACT	PROPELLEX	Sep-97	Jun-02	YES	
FY 1997	8066	23.64	NSWC IH	Oct-96	CONTRACT	PROPELLEX	Sep-97	Jun-02	YES	
FY 2003	15000	38.20	NSWC CRANE	Oct-02	CONTRACT	UNKNOWN	Apr-03	Apr-04	NO	Jul-02
SHOCK TEST CHARGES SHOCK TEST CHARGE, 60 LB XW65										
FY 1999	304	1340.94	AMCCOM DRSMC	Oct-00	MIPR	CRANE AAA	Jul-01	Jun-02	YES	
FY 2001	300	1240.00	NSWC CRANE	Oct-00	CONTRACT	NSWC INDIAN HEAD	Nov-00	Jun-02	YES	
FY 2002	300	1338.00	AMCCOM DRSMC	Oct-01	MIPR	UNKNOWN	Feb-02	Aug-03	YES	
FY 2003	450	1529.45	AMCCOM DRSMC	Oct-02	MIPR	UNKNOWN	Jan-03	Aug-04	NO	Jul-02
D. REMARKS										
NOTE: All items shown are priced with available GFM.										

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA-1: NAVY AMMUNITION								P-1 ITEM NOMENCLATURE MINE NEUTRALIZATION DEVICES/035000/71U4					
Program Element for Code B Items:								Other Related Program Elements 0204302N					
	Prior Years	ID Code			FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
EQUIPMENT COST	\$28.1	A			\$7.3	\$4.9	\$2.7	\$3.2	\$3.5	\$3.5	\$3.6	CONT.	CONT.
SPARES COST (In Millions)					\$0.8	\$0.5	\$0.5	\$0.5	\$0.5	\$0.5	\$0.5	CONT.	CONT.
<p>PROGRAM DESCRIPTION/JUSTIFICATION:</p> <p>The Mine Neutralization System (MNS) was granted Approval for Full Rate Production in August 1991. The MNS is the primary weapon system for the MCM and MHC class ships. The Mine Neutralization Vehicle can drop a MK-57 Destructor charge (MP-2) near a bottom mine to neutralize it. The vehicle is also capable of attaching a MK-26 Cable cutter (MP-1) to a Moored Mine. MP-3 utilizes a MK-52 Cable Grip Release, MK-57 Destructor and floats to neutralize moored mines in place.</p> <p>Explosive Loading (U4002) - The MK-57 Destructor, used in both MP-2 and MP-3, is delivered as an empty case. The MK-57 destructor is then loaded with underwater explosive bought under cost code U4002 to make a full up MK-57 explosive destructor. FY03/04 costs also include non-recurring start-up of Pelletized Nitrocellulose (PNC) plant and production of PNC.</p> <p>MK-57 Bomblet (U4005) - The MK-57 destructor charge, also known as Mission Package 2 (MP-2), is used to neutralize bottom mines.</p> <p>MP-3 Device (U4007) - The MP-3 Device consists of a MK-52 Cable Grip Release, MK-57 destructor along with floats to neutralize moored mines in place.</p>													

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WEAPONS SYSTEM COST ANALYSIS P-5			Weapon System				DATE: February 2002					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA-1: NAVY AMMUNITION			ID Code A	P-1 ITEM NOMENCLATURE/SUBHEAD MINE NEUTRALIZATION DEVICES/035000/71U4								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS									
			Prior Years	FY 2001			FY 2002			FY 2003		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	MINE WARFARE, N852											
U4002	EXPLOSIVE LOADING		3,037			790			573			389
U4005	MK 57 BOMBLET	A	7,957	39	46.95	1,831			0	0	0.00	0
U4007	MP-3 DEVICE	A	10,127	61	47.36	2,889	62	52.00	3,224	33	50.89	1,679
U4830	PRODUCTION ENGINEERING		2,908			706			500			267
U4840	QUALITY ASSURANCE		357			110			70			42
U4860	ACCEPTANCE TEST & EVALUATION		2,982			740			448			277
U4900	CONSULTING SERVICES		770			184			125			71
			28,138			7,250			4,940			2,725

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CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE		
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD	
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					MINE NEUTRALIZATION DEVICES/035000				71U4	
BA-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
FISCAL YEAR 2001										
U4005/MK 57 BOMBLET	39	46.95	NAVSEA	N/A	OPTION	Raytheon Portsmouth, RI	12/00	06/02*	YES	
U4007/MP-3 DEVICE	61	47.36	NAVSEA	N/A	OPTION	Raytheon Portsmouth, RI	12/00	06/02	YES	
FISCAL YEAR 2002										
U4007/MP-3 DEVICE	62	52.00	NAVSEA	N/A	OPTION	Raytheon Portsmouth, RI	12/01	06/03	YES	
FISCAL YEAR 2003										
U4007/MP-3 DEVICE	33	50.89	NAVSEA	N/A	OPTION	Raytheon Portsmouth, RI	12/02	06/04	YES	
D. REMARKS										
* Delivery dates shown are for complete Destructor MK-57. Final delivery includes successful completion of lot acceptance testing, explosive loading of cases and production of Firing Devices MK-35 by NSWC, Indian Head Division.										

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BUDGET ITEM JUSTIFICATION SHEET			DATE: February 2002								
P-40			P-1 ITEM NOMENCLATURE 040000								
APPROPRIATION/BUDGET ACTIVITY			Ammunition less than \$5 million (J1A5)								
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS											
Program Element for Code B Items:			Other Related Program Elements								
	Prior Years	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY	5990									continuing	continuing
COST (In Millions)	\$2.2	A	\$1.3	\$1.3	\$1.2	\$1.3	\$1.3	\$1.3	\$1.3	continuing	continuing
*QUANTITY (COW)					7500	7500	7500	7500	7500	continuing	continuing
*COST (COW) (In Millions)	\$0.0	A	\$0.0	\$0.0	\$1.9	\$2.0	\$2.0	\$2.0	\$2.1	continuing	continuing
Beginning FY 2000 Marine Location Markers is under the heading of Ammunition less than \$5 million											
<p>Ammunition Less than \$5 Million</p> <p>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.</p> <p>The current budget profile provides funding for support efforts (PES, ILS), procurement of non-standard items, renovation components, and product improvement programs (PIPs) for future procurements. Funds for PIP are required to: complete design and testing of an arming switch as an additional safety feature in each marker configuration. Some minor hardware/material changes will be made at the same time for cost and ease of manufacture considerations.</p> <p>*COST OF WAR (COW) FUNDING of \$1.9M procures 7500 MK58 MLMs.</p>											
			<u>FY01</u>	<u>FY02</u>	<u>FY03</u>	<u>FY04</u>	<u>FY05</u>	<u>FY06</u>	<u>FY07</u>		
NAVY RESERVE (FY01-07 is below 26K)			\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	

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DGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a						DATE: February 2002					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS				P-1 ITEM NOMENCLATURE 040000 Ammunition less than \$5 million (J1A5)							
Procurement Items	ID Code	Prior Years*	FY 2001	FY 2002	FY 2003					To Complete	Total
Marine Location Markers											
MK 58 MLM	A									Continuing	Continuing
Quantity		5990	1646	1678	1619						
Funding		1359	\$419	\$411	\$418						
Other Costs		\$831	\$912	\$920	\$794						
Total P-1 Funding			\$1,331.0	\$1,331.0	\$1,212.0					Continuing	Continuing
MK 58 MLM (COW) NON-ADD					7,500						
					\$1,937						
*FY 2000 and prior funded under the Procurement of Ammunition, Navy and Marine Corp (PANMC), Other Procurement, Navy (OPN), and Weapons Procurement, Navy (WPN) Line Item Marine Location Markers.											

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BUDGET ITEM JUSTIFICATION SHEET										DATE:			
P-40										February 2002			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								P-1 ITEM NOMENCLATURE CAWCF CLOSURE COSTS					
Program Element for Code B Items: SUBHEAD NO. 11AM								Other Related Program Elements BLIN: 041500					
	Prior Years	ID Code		FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY													
COST (In Millions)					\$9.0	\$6.9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		
<u>ITEM DESCRIPTION/JUSTIFICATION:</u>													
<p>Funding is requested to support the Conventional Ammunition Working Capital Fund (CAWCF) which was established in FY 1982 to meet the operational needs of the Services to procure ammunition. The CAWCF provided a single organization through which orders from the Services could be consolidated. This arrangement was to provide economies of scale, low prices, and increased efficiencies for management of ammunition procurement.</p> <p>This budget reflects funding for NAVSEA and NAVAIR.</p>													

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WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System								DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1				ID Code 041500		P-1 ITEM NOMENCLATURE/SUBHEAD CAWCF CLOSURE COSTS SUBHEAD NO. 11AM									
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2000			FY 2001			FY 2002			FY 2003		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AM100	CAWCF CLOSURE COSTS NAVSEA							568			2,375				
AM200	CAWCF CLOSURE COSTS NAVAIR							8,421			4,555				
			0					8,989			6,930			0	

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