

DEPARTMENT OF THE NAVY  
FISCAL YEAR (FY) 2001  
BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES  
FEBRUARY 2000

PROCUREMENT OF AMMUNITION,  
NAVY AND MARINE CORPS  
BUDGET ACTIVITY 1

UNCLASSIFIED  
 DEPARTMENT OF THE NAVY  
 FY 2001 PROCUREMENT PROGRAM

February 2000

SUMMARY  
 (\$ IN MILLIONS)

APPROPRIATION: PROCUREMENT OF AMMO, NAVY & MARINE CORPS  
 -----

ACTIVITY -----	FY 1999 -----	FY 2000 -----	FY 2001 -----
01. PROC AMMO, NAVY	287.3	395.7	295.9
02. PROC AMMO, MC	179.9	192.2	133.7
TOTAL PROCUREMENT OF AMMO, NAVY & MARINE C	467.2	587.9	429.6

## UNCLASSIFIED

DEPARTMENT OF THE NAVY  
FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

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

DATE: February 2000

## MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1999		FY 2000		FY 2001		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
BUDGET ACTIVITY 01: PROC AMMO, NAVY									
-----									
NAVY AMMUNITION									
1	GENERAL PURPOSE BOMBS	A		34.5		87.0		63.2	U
2	JDAM	B	745	37.6	1864	81.2	672	24.4	U
3	2.75 INCH ROCKETS	A		16.6		22.1			U
4	AIRBORNE ROCKETS, ALL TYPES	A						11.5	U
5	MACHINE GUN AMMUNITION	A		8.7		9.1		5.2	U
6	PRACTICE BOMBS	A		51.6		48.9		50.6	U
7	CARTRIDGES & CART ACTUATED DEVICES	A		25.7		26.7		26.5	U
8	AIRCRAFT ESCAPE ROCKETS	A		10.3		10.4		10.6	U
9	AIR EXPENDABLE COUNTERMEASURES	A		28.7		47.3		39.3	U
10	MARINE LOCATION MARKERS	A		1.3					U
11	JATOS	A		3.2		3.9		5.0	U
12	5 INCH/54 GUN AMMUNITION	A		21.7		15.7		14.9	U
13	EXTENDED RANGE GUIDED MUNITIONS (ERGM)	B		14.2		3.0		5.7	U
14	CIWS AMMUNITION	A		.7					U
15	76MM GUN AMMUNITION	A		3.7		7.0		8.7	U
16	OTHER SHIP GUN AMMUNITION	A		4.5		5.8		5.2	U
17	SMALL ARMS & LANDING PARTY AMMO	A		7.7		8.0		8.7	U
18	PYROTECHNIC AND DEMOLITION	A		8.9		8.1		6.4	U
19	MINE NEUTRALIZATION DEVICES	A		7.8		9.2		7.3	U
20	CANCELLED ACCOUNT ADJUSTMENTS (87)	A		*					U

## UNCLASSIFIED

DEPARTMENT OF THE NAVY  
FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

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

DATE: February 2000

## MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1999		FY 2000		FY 2001		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
21	AMMUNITION LESS THAN \$5 MILLION	A			2.2		1.3	U	
22	CAWCF CLOSURE COSTS	A					1.3	U	
TOTAL PROC AMMO, NAVY				287.3	395.7		295.9		
BUDGET ACTIVITY 02: PROC AMMO, MC									
-----									
MARINE CORPS AMMUNITION									
23	5.56 MM, ALL TYPES	A		21.9	31.8		23.5	U	
24	7.62 MM, ALL TYPES	A		.7	6.2		2.0	U	
25	LINEAR CHARGES, ALL TYPES	A		7.3	29.5		40.9	U	
26	.50 CALIBER	A		6.2	11.7		7.6	U	
27	40 MM, ALL TYPES	A		18.4	6.0		2.0	U	
28	60MM, ALL TYPES	A		7.9	16.4		.7	U	
29	81MM, ALL TYPES	A		7.9	.1		5.0	U	
30	120MM, ALL TYPES	A		17.2	3.1		7.6	U	
31	CTG 25MM, ALL TYPES	A		3.3	12.1		3.9	U	
32	9 MM ALL TYPES	A		4.1	3.2		2.7	U	
33	GRENADERS, ALL TYPES	A		6.8	13.2		8.4	U	
34	STINGER SLEP	A			2.0		3.9	U	
35	ROCKETS, ALL TYPES	A		39.3	14.3		1.6	U	
36	ARTILLERY, ALL TYPES	A		10.0	.2		.3	U	
37	DEMOLITION MUNITIONS, ALL TYPES	A		7.5	27.0		9.6	U	
38	FUZE, ALL TYPES	A		3.8	2.4		.2	U	
39	NON LETHALS	B		1.0	2.0		4.5	U	

UNCLASSIFIED

DEPARTMENT OF THE NAVY  
 FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

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

DATE: February 2000

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1999		FY 2000		FY 2001		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
40	AMMO MODERNIZATION	A		12.0		10.7		6.9	U
41	ITEMS LESS THAN \$5 MILLION	A				.7		1.0	U
42	ITEMS LESS THAN \$2 MIL	A		4.7					U
43	CAWCF CLOSURE COSTS	A						1.3	U
TOTAL PROC AMMO, MC				179.9		192.2		133.7	
TOTAL PROCUREMENT OF AMMO, NAVY & MARINE CORPS				467.2		587.9		429.6	

Procurement of Ammunition, Navy & Marine Corps  
Program and Financing (in Thousands of dollars)

Identification code	17-1508-0-1-051	Budget Plan (amounts for PROCUREMENT actions programed)			Obligations		
		1999 actual	2000 est.	2001 est.	1999 actual	2000 est.	2001 est.
Program by activities:							
Direct program:							
00.0101	Proc Ammo, Navy	288,453#	395,659	295,932	283,973	348,754	301,929
00.0201	Proc Ammo, MC	178,750#	192,228	133,717	172,458	212,492	140,891
00.9101	Total direct program	467,203	587,887	429,649	456,431	561,246	442,820
01.0101	Reimbursable program	2,606*	10,000	10,000	11,388	10,000	10,000
10.0001	Total	469,809	597,887	439,649	467,819	571,246	452,820
Financing:							
Offsetting collections from:							
11.0001	Federal funds(-)	-2,606	-10,000	-10,000	-11,665	-10,000	-10,000
17.0001	Recovery of prior year obligations				-2,486		
Unobligated balance available, start of year:							
21.4002	For completion of prior year budget plans				-67,175	-66,017	-92,658
21.4003	Available to finance new budget plans		-3,000			-3,000	
21.4009	Reprogramming from/to prior year budget plan	-14,693					
Unobligated balance available, end of year:							
24.4002	For completion of prior year budget plans				66,017	92,658	79,487
24.4003	Available to finance subsequent year budget	3,000			3,000		
25.0001	Unobligated balance expiring	2,133			2,133		
39.0001	Budget authority	457,643	584,887	429,649	457,643	584,887	429,649
Budget authority:							
40.0001	Appropriation	483,203	411,700	429,649	483,203	411,700	429,649
40.3601	Unobligated Balance Rescinded	-12,560	-3,000		-12,560	-3,000	
40.7601	Reduction pursuant to P.L. 106-113(-), Titl		-2,113			-2,113	
41.0001	Transferred to other accounts (-)	-13,000			-13,000		
42.0001	Transferred from other accounts		178,300			178,300	
43.0001	Appropriation (adjusted)	457,643	584,887	429,649	457,643	584,887	429,649
Relation of obligations to outlays:							
71.0001	Obligations incurred				456,154	561,246	442,820
72.1001	From Federal sources: Receivables and unpaid, unfilled orders, SOY				8,652	7,881	7,881
72.4001	Obligated balance, start of year				507,523	567,729	698,898
74.1001	From Federal sources: Receivables and unpaid, unfilled orders, EOY				-7,881	-7,881	-7,881
74.4001	Obligated balance, end of year				-567,729	-698,898	-726,918
77.0001	Adjustments in expired accounts (net)				497		
78.0001	Adjustments in unexpired accounts				-2,486		
90.0001	Outlays (net)				394,730	430,077	414,800

Procurement of Ammunition, Navy & Marine Corps  
Object Classification (in Thousands of dollars)

Identification code	17-1508-0-1-051	1999 actual	2000 est.	2001 est.
-----				
Direct obligations:				
125.101	Advisory and assistance services	200	4,982	5,217
	Purchases goods/services from Government accounts			
125.301	Purchase of goods/services from Government accounts	7,337	38,266	36,383
125.303	Purchases from revolving funds	135,640	105,844	121,257
125.701	Operation and maintenance of equipment	25,800	24,280	18,127
131.001	Equipment	287,454	387,874	261,836
		-----	-----	-----
199.001	Total Direct obligations	456,431	561,246	442,820
Reimbursable obligations:				
	Purchases goods/services from Government accounts			
225.303	Purchases from revolving funds	10,000	10,000	10,000
231.001	Equipment	1,388		
		-----	-----	-----
299.001	Total Reimbursable obligations	11,388	10,000	10,000
		-----	-----	-----
999.901	Total obligations	467,819	571,246	452,820

Note: (#) For FY 1999, differences between authorized amounts cited for budget activities in the budget and the Program and Financing exhibit are the result of minor reprogrammings not reflected in the official 30 September 1999 accounting reports.

(\*) For FY 1999, differences between authorized amounts cited for reimbursable funding in the budget and the Program and Financing exhibit are the result of additional reimbursable authority apportioned by OMB but not reflected in the official 30 September 1999 accounting reports.

Comparison of FY 2000 Program Requirements as Reflected  
in the FY 2000/2001 Budget with FY 2000 Program Requirements as  
Shown in the FY 2001 Budget Request (In Thousands of Dollars)

	FY 2000 Total Program Requirements <u>Per FY 2000 Budget</u>	FY 2000 Program Requirements <u>Per FY 2001 Budget</u>	Increase (+) or Decrease (-)
BA 1: Navy Ammunition	328,724	395,659	+66,935
BA 2: Marine Corps Ammunition	156,176	192,228	+36,052
Subtotal Direct Program	484,900	587,887	+102,987
Reimbursable	10,000	10,000	0
Total Fiscal Year	494,900	597,887	+102,987

BA 1: The FY 2000 President's Budget reflected \$328.724 million for Navy ammunition procurement in the Procurement of Ammunition Navy & Marine Corps (PANMC) appropriation (BA1). The Congress added \$178.3 million in the FY99 Kosovo Supplemental for General Purpose Bombs (\$87.3 million), Joint Direct Attack Munitions (JDAM) (\$81.3 million), and Air Expendable Countermeasures (\$9.7 million). Section 8172 of the FY00 Appropriations Act rescinded \$133.5 million from budgeted funds for General Purpose Bombs (-\$77.9 million), and JDAM (-\$35.6 million). Additionally, the Congress provided \$3.5 million above the budget request to accelerate procurement of Air Expendable Countermeasures (MJU-52 BOL-IR). The across-the-board Congressional assessment reduced appropriated funding for all PANMC budget lines (-\$1.365 million).

BA 2: The FY 2000 President's Budget reflected \$156.176 million for Marine Corps ammunition procurement in the Procurement of Ammunition Navy & Marine Corps (PANMC) appropriation (BA2). The Congress added \$36.8 million as follows: 5.56mm All Types (+\$9.0 million); 7.62mm All Types (+\$5.0 million); 0.50 Caliber Ammunition (+\$1.0 million); 40mm All Types (+\$1.3 million); 60mm All Types (+\$4.0 million); CTG 25mm All Types (+\$3.0 million); Grenades, All Types (+1.0 million); Demolition Munitions, All Types (+3.5 million); and Rockets, All Types (+\$9.0 million). The across-the-board Congressional assessment reduced appropriated funding for all PANMC budget lines (-\$0.748 million).

Reimbursable Orders: The FY 2000 President's Budget contained \$10 million for Reimbursable Authority. This amount remains unchanged in the FY 2001 President's Budget.

Comparison of FY 2000 Financing as Reflected in the FY 2000/FY 2001 Budget  
with FY 2000 Financing as Shown in FY 2001 Budget Request  
(In Thousands of Dollars)

	<u>FY 2000 Financing Per FY 2000 Budget</u>	<u>FY 2000 Financing Per FY 2001 Budget</u>	<u>Increase(+) Decrease(-)</u>
Program Requirements (Total)	494,900	597,887	+102,987
Program Requirements (Direct)	(484,900)	(587,887)	(+102,987)
Program Requirements (Reimb)	(10,000)	(10,000)	(0)
Less:			
Anticipated Reimbursements	10,000	10,000	(0)

Explanation of Changes in Financing

The +\$102,987 million change in program requirements is the result of Congressional increases associated with the FY99 Kosovo Supplemental (+\$178.3 million) and other Congressional increases (+\$40.3 million), and decreases associated with Section 8172 Congressional rescissions (-\$113.5 million) and Congressional across-the board reductions (-\$2.113 million).

Comparison of FY 1999 Program Requirements as Reflected  
in the FY 2000/FY 2001 Budget with FY 1999 Program  
Requirements as Shown in FY 2001 Budget Request  
(In Thousands of Dollars)

	FY 1999 Total Program Requirements <u>Per FY 2000 Budget</u>	FY 1999 Total Program Requirements <u>Per FY 2001 Budget</u>	Increase (+) or Decrease (-)
BA 1: Navy Ammunition	302,205	287,329	-14,876
BA 2: Marine Corps Ammunition	180,998	179,874	-1,124
Subtotal Direct Program	483,203	467,203	-16,000
Reimbursable	10,000	33,000	23,000
Total Fiscal Year	493,203	500,203	7,000

BA 1: Change reflects Section 8090 reduction for Inflation (-\$1.876 million), and Department of the Navy reduction for Extended Range Guided Munitions procurement due to program restructuring (-\$13.0 million).

BA 2: Change reflects Section 8090 reduction for Inflation (-\$1.124 million).

Reimbursable: Change reflects increased funding authority provided for replacement-in-kind of various items sold from existing munitions inventories.

Comparison of FY 1999 Financing as Reflected in the FY 2000/FY 2001 Budget  
with FY 1999 Financing as Shown in FY 2001 Budget Request  
(In Thousands of Dollars)

	FY 1999 Financing Per FY 2000 Budget	FY 1999 Financing Per FY 2001 Budget	Increase (+) Decrease (-)
Program Requirements (Total)	493,203	500,203	7,000
Program Requirements (Direct)	(483,203)	(467,203)	(-16,000)
Program Requirements (Reimb)	(10,000)	(33,000)	(23,000)
Less:			
Anticipated Reimbursements	10,000	33,000	23,000

Explanation of Changes in Financing

Direct Program: Change reflects Section 8090 reduction for Inflation (-\$3.0 million), and Department of the Navy reduction for Extended Range Guided Munitions procurement due to program restructuring (-\$13.0 million).

Reimbursable Program: Change reflects increased funding authority provided for replacement-in-kind of various items sold from existing munitions inventories.

BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: FEBRUARY 2000			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS							P-1 ITEM NOMENCLATURE General Purpose Bombs (Y1Q2)						
Program Element for Code B Items: B.A.1 - Navy Ammunition							Other Related Program Elements						
	Prior Years *	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total	
QUANTITY													
COST (In Millions)	121.4		\$17.2	\$34.5	\$87.0	\$63.2	\$18.8	\$19.1	\$19.4	\$19.8	Cont	Cont	
<p>GBU-24/BLU-109: The USN version consists of a 2000lb class BLU-109 warhead filled with approximately 535lbs of PBXN-109, a WGU-39 guidance and control unit, an FMU-143E/B tail fuse (with a less IM sensitive PBXN-7 booster and lead), FZU-32 arming unit, ADG-770 adapter group, and BSU-84 AFG. The FMU-143E/B fuse and BLU-109 warhead transitioned to the Single Manager for Conventional Ammunition in FY 95.</p> <p>FY 99, 00, 01, FMU 139 Fuze modification program - The FMU 139 fuzes are required for the Laser Guided Bombs. This program will replace the explosive (rebooster) and perform other engineering changes to increase safety. Fuzes which are classified as not ready for issue will be retrieved from inventory, modified, then returned to inventory in a ready for issue status. Kosovo operations reduced the number of available fuzes requiring an acceleration in this effort. FY 1999 costs include the procurement and installation of equipment, explosive and parts procurement, personnel training, as well as labor costs to begin modifications of approximately 200,000 fuzes. The total estimated cost is \$29M for this effort over a three year period.</p> <p>In FY 99, 00, and 01 the BLU 117/B procurement is for expenditure replacement and to maintain war reserve. This weapon is filled with insensitive explosive for shipboard use, which is an improved weapon over the older MK84.</p> <p>The procurement of Laser Guided Bomb (LGB) guidance units and airfoils in FY 2000 and 2001 will be combined with warheads and fuzes from inventory.</p> <p>In FY 00 and 01 MK 83 Conical Fins will be procured to replace expenditures and to maintain war reserve.</p> <p>The Product Improvement Program (PIP) is used to continue investigation regarding hardware coating materials necessary in meeting the Environment Protection Agency's more stringent requirements.</p> <p><u>PES/ILS</u>: Production engineering support (PES) and Integrated logistics support (ILS) are continuing efforts in support of the procurement of GP bombs and ancillary components. These efforts include providing recommendations and assisting in rapid resolution of maintenance procedure discrepancies to achieve optimum asset readiness; audits, pre-award surveys, post award surveys, post award conferences, First Article Testing or any other technical problems which may arise. These funds are provided in parallel with the FY 99, FY 00 and 01 buy of end items.</p>													
Navy Reserves	<u>98</u> .1	<u>99</u> .1	<u>00</u> .1	<u>01</u> .1	<u>02</u> .1	<u>03</u> .1	<u>04</u> .1	<u>05</u> .1					

CLASSIFICATION: UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a										DATE: FEBRUARY 2000		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS (\$000)							P-1 ITEM NOMENCLATURE GENERAL PURPOSE BOMBS (Y1Q2)					
Procurement Items	ID Code	Prior Years *	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	To Total
BSU-86/B Retard Fin												
QTY								1,524	2,351	2,416		
Funding								\$2,904	\$4,558	\$4,764		
MK 83 Conical Fins												
QTY					7,194	12,678	2,584	2,512				
Funding					\$1,331	\$2,474	\$512	\$506				
LGB AFG(MXU-667/B/MXU-650/B)												
QTY					5,272	1,657						
Funding					\$22,142	\$7,133						
LGB Guidance Unif (MAU-169 GUID UNIT)												
QTY					2,917	1,657						
Funding					\$37,921	\$22,080						
BLU117/B (2000LB) TP												
QTY				588	1,612	1,786						
Funding				\$5,473	\$14,275	\$15,859						
DSU-33 Prox Fuze												
QTY			5,415									
Funding			\$7,651									

P-1 SHOPPING LIST

\* FY 95, FY 96/FY 97 only. Prior to FY 95, Program was budgeted under WPN.

CLASSIFICATION: UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS										DATE:		
P-40a										FEBRUARY 2000		
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE					
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS (\$000)							GENERAL PURPOSE BOMBS (Y1Q2)					
Procurement Items	ID Code	Prior Years *	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	To Total
GBU 24 KITS												
QTY				95								
Funding				\$8,596								
BLU111 (500# Bomb)												
QTY							5,284	4,187	3,912	3,981		
Funding							\$13,707	\$11,043	\$10,471	\$10,811		
SUPPORT												
FMU 139 FUZE MOD PIP				\$13,590	\$4,652	\$10,800						
All Other Support			\$9,552	\$6,794	\$6,674	\$4,811	\$4,563	\$4,663	\$4,399	\$4,255		
Total P-1 Funding		\$121,383	\$17,203	\$34,453	\$86,995	\$63,157	\$18,782	\$19,116	\$19,428	\$19,830	Cont	Cont

P-1 SHOPPING LIST

\* FY 95, FY 96/FY 97 only. Prior to FY 95, Program was budgeted under WPN.



**CLASSIFICATION: UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		A. DATE <b>FEBRUARY 2000</b>		
B. APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS B.A.1 - Navy Ammunition</b>					C. P-1 ITEM NOMENCLATURE <b>General Purpose Bombs</b>				SUBHEAD <b>Y1Q2</b>	
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	IF NO WHEN AVAILABLE
<u>GBU-24 COMPONENTS</u>										
<u>Q2170 BSU-84B/B AFG</u>										
FY 95 *	221	15,918.43	Hill AFB	Apr 96	SS/FPoption	Raytheon	Jun-96	Oct-99	YES	
FY 96 *	279	15,918.43	Hill AFB	Apr 96	SS/FPoption	Raytheon	Jun-96	Nov-99	YES	
FY 99	95	10,187.81	Hill AFB	Apr 96	SS/FPoption	Raytheon	Sep-99	Jun-00	YES	
<u>Q2170 WGU-39A/B G&amp;C UNIT</u>										
FY 95 *	221	75,561.97	Hill AFB	Apr 96	SS/FPoption	Raytheon	Jun-96	Oct-99	YES	
FY 96 *	279	75,561.97	Hill AFB	Apr 96	SS/FPoption	Raytheon	Jun-96	Nov-99	YES	
FY 99	95	67,748.91	Hill AFB	Apr 96	SS/FPoption	Raytheon	Sep-99	Jun-00	YES	
<u>Q2170 ADG770A/B Adapter</u>										
FY 99	95	3,565.73	Hill AFB	Apr 96	SS/FPoption	Raytheon	Sep-99	Jun-00	YES	
<u>Q2170 FMU-143 E/B FUZE(F849)</u>										
FY99	200	2,100.00	IOC, ROCK ISLAND	UNKNOWN	C/FP	UNKNOWN	Apr-00	Oct-00	YES	
D. REMARKS * Deliveries delayed due to contractor move.										

CLASSIFICATION: UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE <b>Feb-00</b>			
B. APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b> <b>B.A.1 - Navy Ammunition</b>					C. P-1 ITEM NOMENCLATURE <b>General Purpose Bombs</b>				SUBHEAD <b>Y1Q2</b>	
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	IF No WHEN AVAILABLE
<b>Q2030 <u>MK 83 Conical Fins</u></b>										
FY97	33,235	326.04	Rock Island, IL	Feb-97	C/FP	MTD	Oct-97	Jan-98	YES	
FY00	7,194	185.03	Rock Island, IL	TBD	C/FP	Unknown	Apr 00	Apr 01	YES	
FY01	12,678	195.11	Rock Island, IL	TBD	C/FP	Unknown	Apr 01	Apr-02	YES	
<b>Q2160 <u>BLU-117/B (2000LB)</u></b>										
FY99	588	9,307.41	Rock Island, IL	TBD	C/FP	MCALESTER, AAP	Jul-99	Sep-00	YES	
FY00	1,612	8,855.66	Rock Island, IL	TBD	C/FP	MCALESTER, AAP	Jul-00	Apr 01	YES	
FY01	1,786	8,879.37	Rock Island, IL	TBD	C/FP	MCALESTER, AAP	Jul-01	Apr-02	YES	
<b>Q2180 <u>LGB</u></b>										
FY00(MXU-667/B)	2,636	4,200.00	Hill AFB	TBD	C/FP	Unknown	Mar-01	Apr-02	YES	
FY 00 (MXU-650AB)	2,636	4,200.00	Hill AFB	TBD	C/FP	Unknown	Mar-01	Apr-02	YES	
FY01(MXU-667/B)	1,657	4,305.00	Hill AFB	TBD	C/FP	Unknown	Mar-01	Apr-02	YES	
FY 00 (MAU-169 G Unit)	2,917	13,000.00	Hill AFB	TBD	C/FP	Unknown	Mar-01	Apr-02	YES	
FY 01 (MAU-169 G Unit)	1,657	13,325.00	Hill AFB	TBD	C/FP	Unknown	Mar-01	Apr-02	YES	
<b>Q2190 <u>DSU-33B/B</u></b>										
FY 98	5,415	1,412.93	Eglin AFB	May-98	C/FP	Aliant Tech. Janesville, WI	Jun-98	Nov-99	YES	
D. REMARKS										





APPROPRIATION/BUDGET ACTIVITY **Weapon System** P-1 ITEM NOMENCLATURE  
**PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS** **General Purpose Bombs (Y1Q2)**

Item	Manufacturer's Name and Location	Production Rate			Procurement Leadtimes				Total	Unit of Measure
		MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT		
LGB AFG	Raytheon	88	220	390		9	9	18	Each	

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000												FISCAL YEAR 2001												B A L
						1999						CALENDAR YEAR 2000						CALENDAR YEAR 2001												
						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	
LGB AFG		N																												
Raytheon (MXU-650)	00		2636	0	2636																						2636			
Raytheon(MXU-667)	00		2636	0	2636																						2,636			
Raytheon(MXU-667)	01		1657	0	1657																						1,657			
Raytheon (MAU-169)	00		2,917	0	2917																						2,917			
Raytheon (MAU-169)	01		1,657	0	1657																						1,657			

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2002												FISCAL YEAR 2003												B A L
						2001						CALENDAR YEAR 2002						CALENDAR YEAR 2003												
						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	
LGB AFG		N																												
Raytheon (MXU-650)	00		2636	0	2636								219	219	219	219	219	219	219	219	219	219	219	219	219	219	0			
Raytheon(MXU-667)	00		2636	0	2636								219	219	219	219	219	219	219	219	219	219	219	219	219	219	0			
Raytheon(MXU-667)	01		1657	0	1657								138	138	138	138	138	138	138	138	138	138	138	138	138	139	0			
Raytheon (MAU-169)	00		2917	0	2917								243	243	243	243	243	243	243	243	243	243	243	243	244	0				
Raytheon (MAU-169)	01		1657	0	1657								138	138	138	138	138	138	138	138	138	138	138	138	139	0				

Remarks:

CLASSIFICATION:

# UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40												DATE: February 2000	
APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS/B.A. 1. Ammunition</b>								P-1 ITEM NOMENCLATURE <b>JOINT DIRECT ATTACK MUNITION (Y1JD)</b>					
Program Element for Code B Items: <b>0204162N</b>								Other Related Program Elements <b>None</b>					
	Prior Years	ID Code	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Program
QUANTITY	N/A	A		547	745	1864	672	782	2331	2628	2674	13253	25496
COST (\$M)				22.699	37.580	81.172	24.390	24.721	58.775	64.833	66.101	318.124	698.395
Initial Spares (\$M)				0	0	0	0	0	0	0	0	0	0
Total (\$M)	0			22.699	37.580	81.172	24.390	24.721	58.775	64.833	66.101	318.124	698.395
Unit Cost (\$M)				0.0415	0.0504	0.0435	0.0363	0.0316	0.0252	0.0247	0.0247	0.0240	0.0274

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, and MK 83) 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 and other aircraft. The total production buy for JDAM is 87,496 units (62,000 for AF and 25,496 for Navy). No requirement for initial spares because of 20 year warranty.

Total Quantities		<u>FY97</u>	<u>FY98</u>	<u>FY99</u>	<u>FY00</u>	<u>FY01</u>	<u>FY02</u>	<u>FY03</u>	<u>FY04</u>	<u>FY05</u>
USAF		937	1655	3778	8158	9098	8494	8620	8800	8718
NAVY		0	547	745	1864	672	782	2331	2628	2674
TOTAL		937	2202	4523	10022	9770	9276	10951	11428	11392

P-1 SHOPPING LIST

CLASSIFICATION:

# UNCLASSIFIED

CLASSIFICATION:

**UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5									Weapon System						DATE: February 2000				
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								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS																
			Prior Years	FY 1998			FY 1999			FY 2000(3)			FY 2001						
			Total Cost	Quantity	Unit Cost	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	B	N/A				547	18,151	9,929	745	19,612	14,611	1,864	21,098	39,327	672	21,490	14,442	
JD200	JOINT PROGRAMMABLE FUZE (JPF)	B				668	2,589	1,730	898	2,120	1,904	1,864	2,167	4,040	672	2,193	1,474		
JD300	WARHEAD (1)					0	0	0	745	13,499	10,057	1,864	13,497	25,158	0	0	0		
JD100	ENGINEERING CHANGE ORDERS (ECO)					0	0	0	0	0	420	0	0	1,109	0	0	415		
	TOTAL RECURRING FLYAWAY					547	21,314	11,659	745	36,230	26,992	1,864	37,357	69,634	672	24,302	16,331		
JD100	SCHEDULE ACCELERATION							822			0			0			0		
JD830	PRODUCTION TECH SUPPORT							5,879			6,364			7,705			5,642		
JD100	CONTRACTOR INCENTIVE							291			140			370			138		
JD840	PRODUCTION TEST							725			1,047			746			539		
JD850	DATA							0			3			2			1		
JD700	BLU-109 CABLES							720			0			0			0		
	TOTAL NON-RECURRING							8,437			7,554			8,823			6,320		
	TOTAL WEAPON FLYAWAY					547	36,738	20,096	745	46,371	34,546	1,864	42,091	78,457	672	33,707	22,651		
JD940	LOAD/BUILDUP TRAINERS							279			211			0			0		
JD960	TEST EQUIPMENT (2)							1,348			977			1,761			748		
JD970	ILS							750			1,354			589			569		
JD970	TRAINING							168			375			313			371		
JD850	DATA (TECHNICAL)							58			117			52			51		
	TOTAL FLEET SUPPORT							2,603			3,034			2,715			1,739		
	TOTAL WEAPON SYSTEM					547	41,497	22,699	745	50,443	37,580	1,864	43,547	81,172	672	36,295	24,390		
	INITIAL SPARES					0		0			0			0			0		
	TOTAL PROCUREMENT					547	41,497	22,699	745	50,443	37,580	1,864	43,547	81,172	672	36,295	24,390		
	<b>CONTROLS</b>					<b>0</b>		<b>0</b>			<b>37,580</b>			<b>81,172</b>			<b>24,390</b>		

DD FORM 2446, JUN 86

P-1 SHOPPING LIST

ITEM NO. 2

PAGE NO. 2

CLASSIFICATION:

NOTE 1. QUANTITY AND COSTS ARE FOR BLU-109 WARHEADS ONLY. MK-84 AND MK-83 WARHEADS ARE IN EXISTING INVENTORY.

NOTE 2. TEST EQUIPMENT INCLUDES THE COST FOR THE COMMON MUNITIONS BIT REPROGRAMMABLE EQUIPMENT (CMBRE)

NOTE 3. FY2000 REFLECTS KOSOVO EMERGENCY SUPPLEMENTAL FUNDS APPROPRIATED TO THE NAVY; WITHIN THIS AMOUNT, \$45 M HAS YET TO BE APPORTIONED TO THE NAVY.

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5							Weapon System							DATE: February 2000			
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									
COST CODE	ELEMENT OF COST	FY 2002			FY 2003			FY 2004			FY 2005			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
		JD100	AIR VEHICLE	782	19,537	15,278	2,331	19,482	45,412	2,628	19,327	50,791	2,674	19,490	52,117	13,253	264,724
JD200	JOINT PROGRAMMABLE FUZE (JPF)	782	2,195	1,717	2,331	1,799	4,193	2,628	1,823	4,791	2,674	1,830	4,893	12,979	26,867	25,496	51,609
JD300	WARHEAD (1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,609	35,215
JD100	ENGINEERING CHANGE ORDERS (ECO)	0	0	419	0	0	1,246	0	0	1,408	0	0	1,442	13,253	7,309	25,496	13,768
	TOTAL RECURRING FLYAWAY	782	22,268	17,414	2,331	21,815	50,851	2,628	21,686	56,990	2,674	21,859	58,452	13,253	298,900	25,496	607,223
JD100	SCHEDULE ACCELERATION			0			0			0			0		0		822
JD830	PRODUCTION TECH SUPPORT			5,618			5,663			5,532			5,415		9,669		57,487
JD100	CONTRACTOR INCENTIVE			140			415			468			481		2,436		4,879
JD840	PRODUCTION TEST			658			831			757			667		3,149		9,119
JD850	DATA			1			2			3			3		21		36
JD700	BLU-109 CABLES			0			0			0			0		0		720
	TOTAL NON-RECURRING			6,417			6,911			6,760			6,566		15,275		73,063
	TOTAL WEAPON FLYAWAY	782	30,475	23,831	2,331	24,780	57,762	2,628	24,258	63,750	2,674	24,315	65,018	13,253	314,175	25,496	680,286
JD940	LOAD/BUILDUP TRAINERS			0			0			0			0		0		490
JD960	TEST EQUIPMENT (2)			0			0			0			0		0		4,834
JD970	ILS			473			702			765			760		3,283		9,245
JD970	TRAINING			367			273			279			284		586		3,016
JD850	DATA (TECHNICAL)			50			38			39			39		80		524
	TOTAL FLEET SUPPORT			890			1,013			1,083			1,083		3,949		18,109
	TOTAL WEAPON SYSTEM	782	31,613	24,721	2,331	25,215	58,775	2,628	24,670	64,833	2,674	24,720	66,101	13,253	318,124	25,496	698,395
	INITIAL SPARES	0		0	0		0	0		0	0		0	0	0	0	0
	TOTAL PROCUREMENT	782	31,613	24,721	2,331	25,215	58,775	2,628	24,670	64,833	2,674	24,720	66,101	13,253	318,124	25,496	698,395
	<b>CONTROLS</b>			<b>24,721</b>			<b>58,775</b>			<b>64,833</b>			<b>66,101</b>		<b>318,124</b>		<b>698,395</b>

DD FORM 2446, JUN 86

ITEM NO. 2

PAGE NO. 3

CLASSIFICATION:

NOTE 1. QUANTITY AND COSTS ARE FOR BLU-109 WARHEADS ONLY. MK-84 AND MK-83 WARHEADS ARE IN EXISTING INVENTORY.  
NOTE 2. TEST EQUIPMENT INCLUDES THE COST FOR THE COMMON MUNITIONS BIT REPROGRAMMABLE EQUIPMENT (CMBRE)

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE February 2000		
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/B.A.1					C. P-1 ITEM NOMENCLATURE JOINT DIRECT ATTACK MUNITION				SUBHEAD Y1JD	
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
FY98 JDAM	547	21,314	USAF ASC/YU EGLIN AFB, FL		FFP Option	Boeing St. Louis, MO	June 98	May 99	N/A <sup>(1)</sup>	N/A
FY99 JDAM	745	36,230	USAF ASC/YU EGLIN AFB, FL		FFP Option	Boeing St. Louis, MO	April 99	Jan 00	N/A <sup>(1)</sup>	N/A
FY00 <sup>(2)</sup> JDAM	1864	37,357	USAF ASC/YU EGLIN AFB, FL		FFP	Boeing St. Louis, MO	Feb 00	Jun 01	N/A <sup>(1)</sup>	N/A
FY01 JDAM	672	24,302	USAF ASC/YU EGLIN AFB, FL		FFP	Boeing St. Louis, MO	Jun 01	Jun 02	N/A <sup>(1)</sup>	N/A

D. REMARKS

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

(2). FY2000 FUNDING WILL BE USED TO PROCURE 916 JDAM TAILKITS IN LOT 4 AND 948 JDAM TAILKITS IN LOT 5.  
 LOT 5 JDAM TAILKITS WILL CONSIST OF 948 FROM FY2000 AND 672 FROM FY2001 FUNDING WHICH IS EXPECTED TO AWARD IN JUNE 2001.

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21						DATE February 2000																										
APPROPRIATION/BUDGET ACTIVIT						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																		
JDAM		Boeing St. Louis, MO				285/mo	1083/mo	1400/mo	0 mo	3	12	12	15	E																		
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1999						FISCAL YEAR 2000						B A L													
							1998			CALENDAR YEAR 1999			CALENDAR YEAR 2000																			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
JDAM/Boeing Lot 1		97	AF	937	154	783	74	84	84	100	122	147	172																		0	
Lot 1		97	N	0	0	0																										
Lot 2		98	AF	1828	0	1828								232	304	406	348	255	110	0											173	
Lot 2		98	N	547	0	547								44	46	44	46	45	190	132										0		
Lot 3		99	AF	3778	0	3778							A									250	270	120	100	100	186	249	320	300	1883	
Lot 3		99	N	745	0	745							A									0	0	180	200	200	114	51	0	0	0	
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2001						FISCAL YEAR 2002						B A L													
							2000			CALENDAR YEAR 2001			CALENDAR YEAR 2002																			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
JDAM/Boeing Lot 3		99	AF	3778	1895	1883	300	300	243	300	302	300	311																		-173	
Lot 3		99	N	745	745	0	0	0	0	0	0	0	0																		0	
Lot 4		00	AF	8158	0	8158								708	404	402	402	708	770	724	808	808	808	808	808					0		
Lot 4		00	N	916	0	916								0	304	306	306	0	0	0	0	0	0	0	0	0					0	
Lot 5		00	N	948	0	948								0	0	0	0	0	0	0	0	0	0	0	0	0					948	
Lot 5		01	AF	9098	0	9098								A													469	902	902	902	5923	
Lot 5		01	N	672	0	672								A													0	0	0	0	672	
Remarks:																																

**CLASSIFICATION:**

<b>BUDGET ITEM JUSTIFICATION SHEET</b>						DATE: <b>February 2000</b>						
<b>P-40</b>												
APPROPRIATION/BUDGET ACTIVITY						P-1 ITEM NOMENCLATURE						
<b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b>						<b>2.75 INCH ROCKETS (Y1Q3)</b>						
Program Element for Code B Items:						Other Related Program Elements						
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	<b>17.5*</b>	A	<b>\$15.5</b>	<b>\$16.6</b>	<b>\$22.1</b>							
<p>Beginning in FY2001, 2.75" Rockets will be funded under a new budget line -- Airborne Rockets, All Types.</p> <p>Product Improvements address deficiencies in the safety, reliability and producability of the 2.75 inch rocket system. Specific projects include continuation of insensitive munitions rocket motor compliance efforts.</p> <p>Funds provided in the FY 1998 and FY 1999 budget requests provided for procurement of MK 66 rocket motors to keep pace with training requirements and continued procurements of M278 warhead.</p> <p>*Reflects FY1995-FY1997 only. These programs were funded in FY94 and prior from the Weapons Procurement, Navy (WPN) and Other Procurement, Navy (OPN) accounts.</p>												
			<u>FY98</u>	<u>FY99</u>	<u>FY00</u>							
NAVY RESERVE			\$0.1	\$0.1	\$0.1							

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a							DATE: February 2000					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS (\$000's)						P-1 ITEM NOMENCLATURE 2.75 INCH ROCKETS (Y1Q3)						
Procurement Items	ID Code	Prior Years*	FY 1998**	FY 1999	FY 2000	FY 2001***	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
MK 66 RKT MTR (HA07)	A											
Quantity		12568	15916	20572	32160							
Funding		\$6,579.0	\$7,570.0	\$7,942.0	\$14,057.0							
M278 WARHEAD (HA06)	A											
Quantity		4144	4988	4511	4770							
Funding		\$3,168.0	\$4,103.0	\$5,316.0	\$5,713.0							
MK 67 WARHEAD (H893)	A											
Quantity		-	-									
Funding		-	-									
Other Costs		\$7,800.0	\$3,802.0	\$3,367.0	\$2,374.0							
Total P-1 Funding		\$17,547.0	\$15,475.0	\$16,625.0	\$22,144.0							
*Reflects FY95-FY97 only, these programs were funded in FY94 and prior from the Weapons Procurement, Navy (WPN) and Other Procurement Navy (OPN) accounts.												
**FY99 Total funding reflects additional 650K BTR reprogramming from JATOS												
***Beginning FY01, 2.75" Rockets will be funded under a new line -- Airborne Rockets, All Types.												

P-1 SHOPPING LIST

CLASSIFICATION:

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5			Weapon System										DATE: February 2000		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & Marine Corps (\$000's)			ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD <b>2.75 INCH ROCKETS (Y1Q3)</b>											
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years*	FY 1998			FY 1999			FY 2000			FY 2001		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
Q3040	MK 66 Rocket Motor (HA07)	A	6,579	15,916	475.62	7,570	20,572	386.06	7,942	32,160	437.10	14,057			
Q3070	M278 IR Illum. Warhead (HA06)	A	3,168	4,988	822.57	4,103	4,511	1178.45	5,316	4,770	1197.69	5,713			
Q3800	Integrated Logistics Support		427			140			300			305			
Q3830	Production Engineering Support(PES)		2,995			1,603			1,437			855			
Q3850	Product Improvement Program		3,733			1,879			1,450			1,034			
Q3892	Non-Standard Items		120			40			40			40			
Q3893	Renovation Components		175			60			60			60			
Q3894	Gaging		160			80			80			80			
Q3899	Initial Training Packages		190												
			<b>17,547</b>			<b>15,475</b>			<b>16,625</b>			<b>22,144</b>			

\*Reflects FY95-FY97 only, these programs were funded in FY94 and prior from the Weapons Procurement, Navy (WPN) and Other Procurement Navy (OPN) accounts.

CLASSIFICATION:

**UNCLASSIFIED**

B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE			A. DATE		
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					2.75 INCH ROCKETS			February 2000		
SUBHEAD								Y1Q3		
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
Q3040 MK 66 MOTORS										
FY 97 (HA07)	11204	492.68	ARMY IOC	N/A	FFP	GENERAL DYNAMICS	Aug-98	Oct-99	YES	
FY 98 (HA07)	15916	475.62	ARMY IOC	N/A	FFP	GENERAL DYNAMICS	Aug-98	Nov-99	YES	
FY 99 (HA07)	20572	386.06	ARMY IOC	N/A	FFP	GENERAL DYNAMICS	Dec-98	Oct-00	YES	
FY 00 (HA07)	32160	437.10	ARMY IOC	N/A	FFP	GENERAL DYNAMICS	Apr-00	Oct-01	YES	
Q3070 M278 WARHEAD (HA06)										
FY 97	2144	764.54	ARMY IOC	N/A	FFP	THIOKOL	Sep-98	Nov-99	YES	
FY 98	4988	822.57	ARMY IOC	N/A	FFP	THIOKOL	Sep-98	Mar-00	YES	
FY 99	4511	1178.45	ARMY IOC	N/A	FFP	GENERAL DYNAMICS	Jun-99	Nov-00	YES	
							Dec-99	May-01	YES	
FY 00	4770	1197.69	ARMY IOC	N/A	FFP	GENERAL DYNAMICS	Apr-00	Oct-01	YES	
D. REMARKS										
Pricing is provided by the Army and incorporates other services' buys. Production lead times have been changed to reflect current delivery schedules per IOC Rock Island. FY99 M278 procurement is on three separate delivery orders. The remaining FY99 buy for M278 will be procured with the FY00 buy.										



FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21						DATE		February 2000																		
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												
M278 WARHEAD (HA06)	THIOKOL Ogden, UT					2	6	15		7	18	18	25	TH												
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1999												B A L								
						CALENDAR YEAR 1999																				
						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									
Q3070-M278 WARHEAD (HA06)																										
THIOKOL	97	N	2.1	0	2.1									2.1												
THIOKOL	98	N	5.0	0	5.0																					
THIOKOL	99	N	4.5	0	4.5																					4.5
In Competition	00	N	4.8	0	4.8																					4.8
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2001												B A L								
						CALENDAR YEAR 2001																				
						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									
Q3070-M278 WARHEAD (HA06)																										
THIOKOL	99	N	4.5	0	4.5		2.5	.8						.7												
UNK	00	N	4.8	0	4.8									.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.3		
Remarks: Production rates are provided by the Army and include other services' buys.																										

**CLASSIFICATION:**

<b>BUDGET ITEM JUSTIFICATION SHEET</b>							DATE: <b>February 2000</b>					
<b>P-40</b>												
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE					
<b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b>							<b>AIRBORNE ROCKETS, ALL TYPES</b>					
Program Element for Code B Items:							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)		A				\$11.5	\$11.8	\$12.2	\$12.5	\$12.9	Continuing	Continuing
<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.</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. Procurement of 5 inch rocket components is to complement existing 5 inch inventories.</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 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>												
						<u>FY01</u>	<u>FY02</u>	<u>FY03</u>	<u>FY04</u>	<u>FY05</u>		
NAVY RESERVE						\$0.1	\$0.1	\$0.1	\$0.1	\$0.1		

P-1 SHOPPING LIST

CLASSIFICATION:

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a							DATE: February 2000					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS (\$000's)					P-1 ITEM NOMENCLATURE AIRBORNE ROCKETS, ALL TYPES							
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001*	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
MK 66 RKT MTR (HA07)	A					8008	13950	14192	7596	8273	Continuing	Continuing
Quantity												
Funding						\$3,876.0	\$6,654.0	\$6,798.0	\$3,813.0	\$4,244.0		
M278 WARHEAD (HA06)	A					1544	446	570	2602	2623		
Quantity												
Funding						\$2,423.0	\$724.0	\$957.0	\$3,570.0	\$3,677.0		
Upgrade MK66 from J147 to HAO3						\$2,567.0	\$1,807.0	\$1,775.0	\$2,616.0	\$2,531.0		
Other Costs						\$2,642.0	\$2,602.0	\$2,622.0	\$2,515.0	\$2,398.0		
Total P-1 Funding						\$11,508.0	\$11,787.0	\$12,152.0	\$12,514.0	\$12,850.0	Continuing	Continuing
*Prior to FY01 2.75 " Rockets was funded under a the line 2.75" rockets.												

P-1 SHOPPING LIST

CLASSIFICATION:

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5			Weapon System										DATE: February 2000			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & Marine Corps (\$000's)			ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD <b>AIRBORNE ROCKETS, ALL TYPES</b>												
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years*	FY 1998			FY 1999			FY 2000			FY 2001*			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
Q3040	MK 66 Rocket Motor (HA07)	A												8,008	484.00	3,876
Q3070	M278 IR Illum. Warhead (HA06)	A												1,544	1569.00	2,423
Q3050	MK 67 Smoke Warhead (H893)	A												-	-	-
Q3800	Integrated Logistics Support															310
Q3830	Production Engineering Support(PES)															945
Q3850	Product Improvement Program															1,207
Q3892	Non-Standard Items															40
Q3893	Renovation Components															65
Q_____	Upgrade J147 to HA03															2,562
Q3894	Gaging															80
Q3899	Initial Training Packages															0
*Prior to FY01 2.75 " Rockets was funded under a the line 2.75" rockets.																
															<b>11,508</b>	

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					AIRBORNE ROCKETS, ALL TYPES				Y1Q3	
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
Q3040 MK 66 MOTORS FY 01 (HA07)	8008	484.00	ARMY IOC	N/A	FFP	GENERAL DYNAMICS	Apr-01	Oct-02	YES	
Q3070 M278 WARHEAD (HA06) FY 01	1544	1569.00	ARMY IOC	N/A	FFP	GENERAL DYNAMICS	Apr-01	Oct-02	YES	
D. REMARKS										
<p>Pricing is provided by the Army and incorporates other services' buys.                      Production lead times have been changed to reflect current delivery schedules per IOC Rock Island.</p>										

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21							DATE February 2000																																																							
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS							Weapon System							P-1 ITEM NOMENCLATURE 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 RKT MTR (HA03/HA07)	GENERAL DYNAMICS					8	20	250		7	18	18	25	TH																																																
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1999														B A L																																									
		1998															CALENDAR YEAR 1999															1999															CALENDAR YEAR 2000															B A L
		O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L																								
Q3040-MK 66 RKT MTR	01	N	8	0	8																																			8.0																						
Q3070-M278 WARHEAD (HA06)	01	N	1.5	0	1.5																																			1.5																						
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2001														B A L																																									
		2000															CALENDAR YEAR 2001															CALENDAR YEAR 2002															B A L															
		O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L																								
Q3040-MK 66 RKT MTR	01	N	8	0	8																																			8.0																						
Q3070-M278 WARHEAD (HA06)	01	N	1.5	0	1.5																																			1.5																						
Remarks: Production rates are provided by the Army and include other services' buys.																																																														



**CLASSIFICATION:**

<b>BUDGET ITEM JUSTIFICATION SHEET</b>						DATE: <b>February 2000</b>						
<b>P-40</b>												
APPROPRIATION/BUDGET ACTIVITY						P-1 ITEM NOMENCLATURE						
<b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS (\$000's)</b>						<b>MACHINE GUN AMMUNITION (Y1Q4)</b>						
Program Element for Code B Items:						Other Related Program Elements						
	Prior Years*	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	<b>\$27.9</b>	A	<b>\$9.4</b>	<b>\$8.7</b>	<b>\$9.1</b>	<b>\$5.2</b>	<b>\$5.6</b>	<b>\$5.9</b>	<b>\$6.1</b>	<b>\$6.3</b>	<b>Continuing</b>	<b>Continuing</b>
<p>This line funds procurement of 20MM and 25MM ammunition used with various aircraft gun systems. 20MM ammunition includes procurements of PGU-27/B (TP)(both bulk and linked cartridges). When employed in the bulk (linkless) condition these cartridges are used in the M61A1 gun systems in the F-14 and F/A-18 aircraft. When linked with the MK14 link, these cartridges are used in the M197 gun system in the AH-1 aircraft and in the GPU-2A gun pod. All 20MM ammunition is procured by the Army's Single Manager for Conventional Ammunition (SMCA) using Conventional Ammunition Working Capital Fund (CAWCF) standard prices. 25MM funds are for the PGU-32 Semi-Armor Piercing High Explosive Incendiary (SAPHEI) war fighting cartridge for the GAU-12 gun system in the AV-8/B 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) Complete leadfree Primer Development Program.</p> <p>PR99 partially restores POM 98 marks in FYs98-03 against PGU-27/B TP linked ammunition; however, planned procurements still do not meet fleet training requirements.</p> <p>*Reflects FY1995-FY1997 only. These programs were funded in FY94 and prior from the Weapons Procurement, Navy (WPN) and Other Procurement Navy (OPN) accounts.</p>												
NAVY RESERVE			<u>FY98</u> <b>\$0.3</b>	<u>FY99</u> <b>\$0.3</b>	<u>FY00</u> <b>\$0.3</b>	<u>FY01</u> <b>\$0.3</b>	<u>FY02</u> <b>\$0.3</b>	<u>FY03</u> <b>\$0.3</b>	<u>FY04</u> <b>\$0.3</b>	<u>FY05</u> <b>\$0.3</b>		

**CLASSIFICATION:**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a							DATE: February 2000					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS (\$000's)						P-1 ITEM NOMENCLATURE MACHINE GUN AMMUNITION (Y1Q4)						
Procurement Items	ID Code	Prior Years*	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
20MM LINKLESS PGU-27A/B (AA24)												
Quantity	A	-	-	589,876	755,016	0	0	0	0	0		
Funding		\$14,854.0	-	\$5,710.0	\$7,301.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		
20MM LINK, TP PGU-27A/B (A450)												
Quantity	A	66,740	190,461	0	0	0	0	0	0	0		
Funding		\$4,259.0	\$1,737.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		
20MM LINKLESS, HEI, PGU-28A/B (AA22)												
Quantity	A	-	40,566	0	0	0	0	0	0	0		
Funding		-	\$1,340.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		
25MM SAPHEI PGU-32												
Quantity	A	125,019	181,633	-	-	-	-	-	-	-		
Funding		\$1,684.0	\$3,560.0	-	-	-	-	-	-	-		
20MM LINK, TP, mixed w/tracer PGU-27A/B (AA27)												
Quantity	A	-	0	0	0	270,225	259,002	275,443	282,755	291,640		
Funding		-	\$0.0	\$0.0	\$0.0	\$3,240.0	\$3,165.0	\$3,421.0	\$3,568.0	\$3,739.0		
Other Costs		\$7,090.0	\$2,713.0	\$2,991.0	\$1,821.0	\$1,990.0	\$2,432.0	\$2,490.0	\$2,548.0	\$2,607.0		
Total P-1 Funding												
		\$27,887.0	\$9,350.0	\$8,701.0	\$9,122.0	\$5,230.0	\$5,597.0	\$5,911.0	\$6,116.0	\$6,346.0		
*Reflects FY1995-FY1997 only. These programs were funded in FY94 and prior from the Weapons Procurement, Navy (WPN) and Other Procurement, Navy (OPN) accounts												

**UNCLASSIFIED**

CLASSIFICATION: **UNCLASSIFIED**

<b>WEAPONS SYSTEM COST ANALYSIS</b> P-5	DATE: <b>February 2000</b>
--	----------------------------

APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b>	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD <b>MACHINE GUN AMMUNITION (Y1Q4)</b>
--	---------	---

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years*	FY 1998			FY 1999			FY 2000			FY 2001		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
Q4010	20MM LINKLESS, TP, PGU-27A/B (AA24)	A	14,854	-	-	-	589,876	9.68	5,710	755,016	9.67	7,301	-	-	-
Q4050	20MM LINKLESS, HEI, PGU-28A/B (AA22)	A	0	40,566	33.02	1,340	-	-	-	-	-	-	-	-	-
Q4030	20MM LINK, TP, PGU-27B (A450)	A	4,259	190,461	9.12	1,737	-	-	-	-	-	-	-	-	-
Q4060	20MM LINK, TP, mixed w/tracer PGU-27A/B (AA27)	A	0	-	-	-	-	-	-	-	-	-	270,225	11.99	3240
Q4150	25MM SAPHEI PGU-32 (A990)	A	1,684	181,633	19.60	3,560	-	-	-	-	-	-	-	-	-
Q4800	Integrated Logistics Support		203			70			71			71			73
Q4830	Prod. Engr. Sup.-Navy		4,472			1,565			1,441			1,469			1,243
Q4850	Product Improvement Program		2,360			845			689			281			674
Q4___	Link PGU-27TP and PGU-30TPT (A450)**		0	150000	1.55	233	500,000	1.58	790	-	-	-	-	-	-
Q4894	Gaging		55			-			-			-			-
			<b>27,887</b>			<b>9,350</b>			<b>8,701</b>			<b>9,122</b>			<b>5,230</b>

The improved PGU Series A/B program was qualified in Mar 99.  
 \*Reflects FY1995-FY1997 only, these programs were funded in FY94 and prior from the Weapons Procurement, Navy (WPN) and Other Procurement, Navy (OPN) accounts.  
 \*\* Link existing Navy inventory for use in Rotary Wing.  
 \*\*\*300K moved from PIP to procurement in order to pay for required Reference Rounds.

**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					MACHINE GUN AMMUNITION					Y1Q4	
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 LINKLESS, TP, PGU-27A/B (AA24)											
FY99	589,876	9.68	ARMY IOC	N/A	FFP	PRIMEX, Marion IL	Mar-00	Mar-01	YES		
FY00	755,016	9.67	ARMY IOC	N/A	TBD	PRIMEX, Marion IL	Apr-00	Apr-01	YES		
20MM LINK, TP, PGU-27B (A450)											
FY98	190,461	9.12	ARMY IOC	N/A	FFP	PRIMEX, Marion IL	Sep-99	May-00	YES		
20MM LINK, TP, mixed w/tracer PGU-27A/B (AA27)											
FY01	270,225	11.99	ARMY IOC	N/A	FFP	PRIMEX, Marion IL	Mar-01	Mar-02	YES		
Q4150 25MM SAPHEI PGU-32 (A990)											
FY98	181,633	19.60	NAWC CL	Jul-98	FFP	ALLIANT TECH	Sep-98	Oct-99	YES		
20MM LINKLESS, HEI, PGU-28A/B (AA22)											
FY98	40,566	33.02	ARMY IOC	N/A	FFP	PRIMEX, Marion IL	Mar-00	Mar-01	YES		
D. REMARKS											
Pricing is provided by the Army and incorporates other services' buys.											





BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: FEBRUARY 2000					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS							P-1 ITEM NOMENCLATURE Practice Bombs (Y1Q1)					
Program Element for Code B Items: B.A.1 - Navy Ammunition							Other Related Program Elements					
	Prior Years *	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$41.4		\$48.3	\$51.6	\$48.9	\$50.6	\$51.4	\$60.8	\$69.5	\$71.5	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 MK4 or CXU-3 Signal. The BDU-45 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 .</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 conferences, first article and quality assurance testing; ECP review/comments/recommendations, technical manual update, evaluation of engineering change proposal, and response to fleet inquiries.</p>												
			<u>98</u>	<u>99</u>	<u>00</u>	<u>01</u>	<u>02</u>	<u>03</u>	<u>04</u>	<u>05</u>		
Navy Reserves			3.3	2.6	2.5	1.1	1.9	2.0	2.0	1.9		

P-1 SHOPPING LIST

CLASSIFICATION:UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS								DATE: FEBRUARY 2000				
P-40a APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS (\$000)								P-1 ITEM NOMENCLATURE Practice Bombs (Y1Q1)				
Procurement Items	ID Code	Prior Years*	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
MK 76	A										Cont	Cont
QTY				197,818	196,270	196,236	196,000	196,000	196,000	196,000		
FUNDING				\$3,929	\$3,949	\$4,054	\$4,102	\$4,171	\$4,239	\$4,312		
BDU-45	A											
QTY			10,914	8,172	7,844	8,000	10,643	8,000	9,000	8,137		
FUNDING			\$10,765	\$8,767	\$8,467	\$8,478	\$11,422	\$8,725	\$9,952	\$9,122		
BSU 33 FIN	A											
QTY					7,660	4,000	4,000	4,000	3,500	3,000		
FUNDING					\$661	\$352	\$357	\$363	\$318	\$277		
BSU 86/B FIN (F766)	A											
QTY						2,146						
FUNDING						\$3,971						
LGTR	A											
QTY			3,184	7,558	2,293	3,420	3,972	5,310	7,499	4,749		
FUNDING			\$15,473	\$21,997	\$6,780	\$10,275	\$12,099	\$16,417	\$23,532	\$15,098		

P-1 SHOPPING LIST

CLASSIFICATION: UNCLASSIFIED

**BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS**  
**P-40a**

DATE:  
**FEBRUARY 2000**

APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE					
<b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS (\$000)</b>							<b>Practice Bombs (Y1Q1)</b>					
Procurement Items	ID Code	Prior Years*	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
MK 84 INERT	A											
QTY			2,792					0	0	2,853		
FUNDING			\$8,597					\$0	\$0	\$9,913		
MK83 INERT	A											
QTY			5,433	7,500	8,061	7,500	7,500	10,000	10,000	10,000		
FUNDING			\$10,808	\$11,935	\$18,998	\$13,492	\$13,667	\$18,514	\$18,773	\$19,032		
MK 83 CONICAL FIN	A											
QTY					9,977	3,750	3,750	5,000	5,000	5,000		
FUNDING					\$1,846	732	743	1,006	1,025	1,042		
BSU 85 RETARD FINS	A											
QTY						3,750	3,500	5,000	5,000	5,000		
FUNDING						\$5,678	\$5,374	\$7,802	\$7,933	\$8,065		
Other Costs			\$2,651	\$4,961	\$3,631	\$3,568	\$3,633	\$3,781	\$3,716	\$4,627		
CAWF ASSESSMENT					4,600							
Total		\$41,373	\$48,294	\$51,589	\$48,932	\$50,600	\$51,397	\$60,779	\$69,488	\$71,488	Cont	Cont

P-1 SHOPPING LIST

CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System			DATE: FEBRUARY 2000						
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS B.A. 1 - Navy Ammunition						ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD Practice Bombs (Y1Q1)								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years *	FY 1998			FY 1999			FY 2000			FY 2001		
			Total Cost	Units	Unit Cost	Total Cost	Units	Unit Cost	Total Cost	Units	Unit Cost	Total Cost	Units	Unit Cost	Total Cost
Q1010	MK 76(E973)	A					197,818	19.86	3,929	196,270	20.12	3,949	196,236	20.66	4,054
Q1040	MK 82 INERT, BDU 45/B (F017)	A		10,914	986.35	10,765	8,172	1,072.85	8,767	7,844	1,079.45	8,467	8,000	1,059.79	8,478
Q1042	BSU 33 FIN (F782)	A								7,660	86.29	661	4,000	88.03	352
Q1046	BSU 86/B FIN (F766)	A											2,146	1,850.32	3,971
Q1300	Laser Guided Training Round	A		3,184	4,860.00	15,473	7,558	2,910.43	21,997	2,293	2,957.00	6,780	3,420	3,004.31	10,275
Q1070	MK 84 Inert (MOD 7) NTP(F279)	A		2,792	3,079.17	8,597									
Q1060	MK 83 Inert (E511)	A		5,433	1,989.32	10,808	7,500	1,591.39	11,935	8,061	2,356.72	18,998	7,500	1,798.96	13,492
Q1062	MK 83 Conical Fin(F642/EA96)	A								9,977	185.03	1,846	3,750	195.11	732
QTBD	BSU 85 Retard Fin(1W73)	A											3750	1,514.23	5,678
Q1300	Min. Collateral Damage Wpn.								2,400						
Q1800	ILS					400			190			509			420
Q1830	PES					1,651			1,961			2,873			2,548
Q1850	PIP					350			160			13			350
Q1894	Gauging					250			250			236			250
	CAWCF CLOSURE COST ASSESSMENT											4,600			
<b>TOTAL</b>				<b>41,373</b>		<b>48,294</b>			<b>51,589</b>			<b>48,932</b>			<b>50,600</b>

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE <b>FEBRUARY 2000</b>		
B. APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b>					C. P-1 ITEM NOMENCLATURE <b>Practice Bombs 36557</b>				SUBHEAD <b>Y1Q1</b>	
<b>B.A.1 - Navy Ammunition</b>										
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 NO WHEN AVAILABLE
<b>Q1010 MK 76 (E973)</b>										
FY 99	197,818	19.86	Rock Island, IL	Aug-98	C/FP	MCALESTER, AAP	Mar-00	Sep-00	YES	
FY 00	196,270	20.12	Rock Island, IL	TBD	C/FP	MCALESTER, AAP	Mar-00	Apr-01	YES	
FY 01	196,236	20.66	Rock Island, IL	TBD	C/FP	MCALESTER, AAP	Apr 01	Jun-02	YES	
<b>Q1040 BDU-45/B (F017)</b>										
FY 98	10,914	986.35	Rock Island, IL	Aug-97	SS/FP	MCALESTER, AAP	May 98	Mar-00	YES	
FY 99	8,172	1,072.85	Rock Island, IL	Aug-98	SS/FP	MCALESTER, AAP	Apr-99	Jun-00	YES	
FY 00	7,844	1,079.45	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Apr 00	Jun-01	YES	
FY 01	8,000	1,059.79	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Apr 01	Jun-02	YES	
<b>Q1300 Laser Guided Training Round</b>										
FY 97*	980	3,588.00	NAVAIR	Aug-98	SS/FP	LORAL	Oct-98	Jun-99	YES	
FY 98*	3,184	4,860.00	NAVAIR	Aug-98	SS/FP	LOCKHEED-MARTIN	Oct-98	Oct-99	YES	
FY 99	7,558	2,910.43	NAVAIR	Jan-99	C/FP	LOCKHEED-MARTIN	Jul-99	Jun-00	YES	
FY 00	2,293	2,957.00	NAVAIR	TBD	C/FP	LOCKHEED-MARTIN	Apr 00	Jun-01	YES	
FY 01	3,420	3,004.31	NAVAIR	TBD	C/FP	LOCKHEED-MARTIN	Apr 01	Jun-02	YES	
<b>Q1060 MK 83 Inert(E511)</b>										
FY 98	5,433	1,989.32	Rock Island, IL	Aug-97	SS/FP	MCALESTER, AAP	Jul-98	Oct-99	YES	
FY 99	7,500	1,591.39	Rock Island, IL	Aug-98	SS/FP	MCALESTER, AAP	Apr 99	Jun-00	YES	
FY 00	8,061	2,356.72	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Apr 00	Jun-01	YES	
FY 01	7,500	1,798.96	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Apr 01	Jun-02	YES	
D. REMARKS										
*LGTR contract awarded by NAVAIR in October 1998, final definitization expected in July 1999. Unit price reflects weighted average of the three LGTR configurations procured.										

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE <b>FEBRUARY 2000</b>		
B. APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS B.A.1 - Navy Ammunition</b>					C. P-1 ITEM NOMENCLATURE <b>Practice Bombs</b>				SUBHEAD <b>Y1Q1</b>	
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 NO WHEN AVAILABLE
<u>Q1042 BSU-33 Fins</u>										
FY 00	7,660	86.29	Rock Island, IL	TBD	SS/FP	UNKNOWN	Apr 00	Jun-01	YES	
FY 01	4,000	88.03	Rock Island, IL	TBD	SS/FP	UNKNOWN	Apr-01	Jun-02	YES	
<u>Q1046 BSU-86B FIN(F766)</u>										
FY 01	2,146	1,850.32	Rock Island, IL	TBD	SS/FP	UNKNOWN	Apr 01	Jun-02	YES	
<u>QTBD BSU-85 Retard FIN(1W73)</u>										
FY 01	3,750	1,514.23	Rock Island, IL	TBD	SS/FP	UNKNOWN	Apr 01	Jun-02	YES	
<u>Q1062 MK 83 CONICAL FIN(F642/EA96)</u>										
FY 00	9,977	185.03	Rock Island, IL	TBD	SS/FP	UNKNOWN	Mar-00	Aug-00	YES	
FY 01	3,750	1,514.23	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Apr 01	Jun-02	YES	
<u>Q1070 MK 84 INERT NTP(F279)</u>										
FY 98	2,792	3,079	Rock Island, IL	Aug-97	SS/FP	MCALESTER, AAP	May 98	Jul-00	YES	
D. REMARKS										





BUDGET PRODUCTION SCHEDULE, P-21											DATE <b>FEBRUARY 2000</b>																	
APPROPRIATION/BUDGET ACTIVITY						Weapon System					P-1 ITEM NOMENCLATURE																	
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS											PRACTICE BOMBS (Y1Q1)																	
						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														
LGTR		LOCKHEED-MARTIN(LORAL)				UNK	300	UNK		6	14		15	EACH														
MK 83 Inert		MCALESTER (OK)				1800	3600	9000		6	14		20	THOUSAND														
MK 84 Inert		MCALESTER (OK)				1800	3600	9000		6	14		20	THOUSAND														
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000															B A L						
							CALENDAR YEAR 2000																					
							1999			CALENDAR YEAR 2000													CALENDAR YEAR 2001					
			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		
Laser Guided Training			N																									
LOCKHEED-MARTIN*		97		980	328	652	217	217	218																			0
LOCKHEED-MARTIN*		98		3184	0	3184	265	265	265	265	265	265	265	265	269													0
LOCKHEED-MARTIN		99		7558	0	7558						630	630	630	630	630	630	630	630	630	630	628						0
LOCKHEED-MARTIN		00		2293	0	2293						A											191	191	191	191	1529	
LOCKHEED-MARTIN		01		3420	0	3420															A						3420	
MK 83 Inert Thous.			N																									
MCALESTER		98		5.4	0	5.4	1.0	1.0	1.0	0.4	1.0	1.0															0.0	
MCALESTER		99		7.5	0	7.5							0.9	0.9	0.9	1.0	1.0	1.0	0.9	0.9							0.0	
MCALESTER		00		8.1	0	8.1							A										1.1	1.2	1.2	1.2	3.4	
MCALESTER		01		7.5	0	7.5															A						7.5	
MK 84 Inert Thous			N																									
MCALESTER		98		3.3	0	3.3								3.3													0.0	
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2002															B A L						
							CALENDAR YEAR 2002																					
							2001			CALENDAR YEAR 2002													CALENDAR YEAR 2003					
			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		
Laser Guided Training Round			N																									
LOCKHEED-MARTIN		00		2293	764	1529	191	191	191	191	191	191	192														0.0	
LOCKHEED-MARTIN		01		3420	0	3420								285	285	285	285	285	285	285	285	285					0	
MK 83 Inert			N																									
MCALESTER		00		8.1	4.7	3.4	1.2	1.2	1.0																		0.0	
MCALESTER		01		7.5	0.0	7.5							0.9	0.9	0.9	1.0	1.0	1.0	0.9	0.9							0.0	

Remarks:

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: FEBRUARY 2000					
APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b>							P-1 ITEM NOMENCLATURE <b>Cartridges and Cartridge Actuated Devices (CARTS/CADS) (Y1Q8)</b>					
Program Element for Code B Items: <b>B.A.1 - Navy Ammunition</b>							Other Related Program Elements					
	Prior Years *	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	<b>\$54.0</b>		<b>\$24.0</b>	<b>\$25.7</b>	<b>\$26.7</b>	<b>\$26.5</b>	<b>\$26.7</b>	<b>\$26.9</b>	<b>\$27.4</b>	<b>\$28.0</b>	<b>Cont</b>	<b>Cont</b>
<p><u>Escape System/Life Support Devices</u>                      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 NACES items, JAU-52/A and BBU-57/A Cutter.</p> <p><u>Weapons/Stores Release Cartridges</u>                      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.</p> <p><u>Integrated Logistics Support</u>                      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.</p> <p><u>Production Engineering Support</u>                      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.</p> <p><u>Product Improvement Programs</u>                      Product Improvement Programs (PIP) are conducted as part of a continuing effort to correct deficiencies in areas of safety, reliability, maintainability, producibility, and to increase the service life of CARTS and CADS.</p> <p><b>*FY 95/96/97 only. Prior to FY 95, this program was funded in the Other Procurement, Navy BA-5 appropriation.</b></p>												

P-1 SHOPPING LIST

CLASSIFICATION: UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS										DATE:		
P-40a										FEBRUARY 2000		
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE					
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS (\$000)							Cartridges and Cartridge Actuated Devices (CARTS/CADS) (Y1Q8)					
Procurement Items	ID Code	Prior Years *	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
CCU-107 Init. Ctg. (MT95)											Cont	Cont
QTY				180,000	180,000	180,000	180,000	180,000	180,000	180,000		
Funding				\$844	\$862	\$882	\$902	\$925	\$943	\$963		
JAU-22/B Init. Ctg. (MF64)												
QTY			190,000	160,000	90,000	110,000	110,000	110,000	110,000	110,000		
Funding			\$2,316	\$1,990	\$1,287	\$1,608	\$1,646	\$1,687	\$1,725	\$1,762		
Thermal Battery (CWDR)												
QTY				153	357	286	385	449	386	315		
Funding				\$414	\$1,218	\$994	\$1,364	\$1,624	\$1,424	\$1,304		
BBU-57/A Cutter (SR95)												
QTY				46	0	52	74	70	48	30		
Funding				\$470	\$0	\$547	\$794	\$767	\$537	\$342		
JAU-52 (MJ91)												
QTY			121	0	245	227	160	124	88	120		
Funding			\$362	\$0	\$837	\$715	\$514	\$406	\$294	\$409		
Navy Aircrew Common Ejection Seat												
QTY												
Funding			\$1,237	\$1,033	\$962	\$1,455	\$2,082	\$2,057	\$1,741	\$1,780		
Misc Devices			\$10,938	\$11,736	\$12,518	\$11,554	\$10,822	\$10,652	\$11,755	\$12,306		
Other Support			\$9,131	\$9,211	\$9,048	\$8,706	\$8,614	\$8,828	\$8,946	\$9,084		
TOTAL		\$54,000	\$23,984	\$25,698	\$26,732	\$26,461	\$26,738	\$26,946	\$27,365	\$27,950	Cont	Cont

P-1 SHOPPING LIST

CLASSIFICATION: UNCLASSIFIED

**CLASSIFICATION: UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS						Weapon System		DATE:								
P-5								<b>FEBRUARY 2000</b>								
APPROPRIATION/BUDGET ACTIVITY						ID Code		P-1 ITEM NOMENCLATURE/SUBHEAD								
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS								Cartridges and Cartridge Actuated Devices								
B.A. 1 - Navy Ammunition																
COST CODE	ELEMENT OF COST	ID Code	Prior Years	FY 1998			FY 1999			FY 2000			FY 2001			
				Total Cost	Units	Unit Cost	Total Cost	Units	Unit Cost	Total Cost	Units	Unit Cost	Total Cost	Units	Unit Cost	Total Cost
	<b><u>STORES RELEASE</u></b>															
Q8200	CCU-107 Imp Ctg (MT95)	A				180,000	4.69	844	180,000	4.79	862	180,000	4.90	882		
Q8090	JAU-22/B Init. Ctg. (MF64)	A		190,000	12.19	2,316	160,000	12.44	1,990	90,000	14.30	1,287	110,000	14.62	1,608	
	<b><u>SAFETY</u></b>															
Q8060	Thermal Battery (CWDR)	A				153	2,706.00	414	357	3,412.50	1,218	286	3,474.41	994		
Q8080	BBU-57/A Cutter (SR95)	A				46	10,214.43	470				52	10,527.40	547		
Q8120	JAU-52 (MJ91)	A		121	2,992.00	362	0	0	245	3,417.59	837	227	3,149.83	715		
Q8300	Navy Aircrew Common Ejection Seat	A				1,237		1,033			962			1,455		
Q8600	Misc Devices Under \$500K					10,938		11,736			12,518			11,554		
Q8800	Integrated Logistics Support					1,768		1,795			1,848			1,820		
Q8830	Production Engineering Support					2,498		2,398			2,643			2,597		
Q8840	Quality Assurance					328		344			362			382		
Q8850	Product Improvement Program					3,550		3,640			2,987			2,709		
Q8860	Acceptance Testing					987		1,034			1,208			1,198		
<b>TOTAL</b>				<b>54,000</b>		<b>23,984</b>		<b>25,698</b>			<b>26,732</b>			<b>26,461</b>		

**CLASSIFICATION: UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE <b>FEBRUARY 2000</b>		
B. APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b> <b>B.A.1 - Navy Ammunition</b>					C. P-1 ITEM NOMENCLATURE <b>Cartridges and Cartridge Actuated Devices</b>				SUBHEAD <b>Y1Q8</b>	
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 NO WHEN AVAILABLE
<b><u>STORES RELEASE</u></b>										
Q8200 CCU-107 Imp Ctg (MT95)										
FY 99	180,000	4.69	NAVICP	MAR 99	C/FP	Technical Ordnance, Inc St. Bonifacius, MN	Jun-99	Apr-00	YES	
FY 00	180,000	4.79	NAVICP	TBD	C/FP	UNKNOWN	Apr-00	Apr-01	YES	
FY 01	180,000	4.90	NAVICP	TBD	C/FP	UNKNOWN	Apr-01	Apr-02	YES	
Q8120 JAU-22/B Init. Ctg (MF64)										
FY 98	190,000	12.19	NAVICP	Jan 98	C/FP	AMTEC, Jamesville ,WI	Apr-98	Jan-00	YES	
FY 99	160,000	12.44	NAVICP	May 99	C/FP	AMTEC, Jamesville ,WI	Aug-99	Apr-00	YES	
FY 00	90,000	14.30	NAVICP	TBD	C/FP	UNKNOWN	Apr 00	Apr 01	YES	
FY 01	110,000	14.62	NAVICP	TBD	C/FP	UNKNOWN	Apr 01	Apr-02	YES	
D. REMARKS										

**CLASSIFICATION: UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE <b>FEBRUARY 2000</b>		
B. APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b> <b>B.A.1 - Navy Ammunition</b>					C. P-1 ITEM NOMENCLATURE <b>Cartridges and Cartridge Actuated Devices</b>				SUBHEAD <b>Y1Q8</b>	
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 NO WHEN AVAILABLE
<b><u>SAFETY</u></b>										
Q8060 Thermal Battery (CWDR)										
FY 99	153	2,706.00	NAVAIR BUY	Jan-99	SS/FP	Martin Baker, (London UK)	Jun-99	Apr 00	YES	
FY 00	357	3,412.50	NAVAIR BUY	TBD		UNKNOWN	Apr 00	Apr 01	YES	
FY 01	286	3,474.41	NAVAIR BUY	TBD		UNKNOWN	Apr 01	Apr 02	YES	
Q8080 BBU-57/A Cutter(SR95)										
FY 99	46	10,214.43	NAVICP	Mar-99	SS/FP	NORTHROP (HAWTHORNE, CA.)	Aug-99	Apr-00	YES	
FY 01	52	10,527.40	NAVICP	TBD	SS/FP	NORTHROP (HAWTHORNE, CA.)	Apr 01	Apr-02	YES	
Q8120 JAU-52/B Init. Ctg (MJ91)										
FY 98	121	2,992.00	NAVICP	August 1997	SS/FP	Primex (Redmond WA)	Apr-98	Jul-99	YES	
FY 00	245	3,417.59	NAVICP	TBD	SS/FP	Primex	Apr 00	Apr 01	YES	
FY 01	227	3,149.83	NAVICP	TBD	SS/FP	Primex	Apr 01	Apr 02	YES	
D. REMARKS										





<b>BUDGET ITEM JUSTIFICATION SHEET</b>	DATE:
<b>P-40</b>	<b>FEBRUARY 2000</b>

APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b>	P-1 ITEM NOMENCLATURE <b>Aircraft Escape Rockets/Catapults (Y1Q9)</b>
--	--

Program Element for Code B Items: <b>B.A.1 - Navy Ammunition</b>	Other Related Program Elements
---	--------------------------------

	Prior Years *	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	<b>\$27.3</b>		<b>\$8.2</b>	<b>\$10.3</b>	<b>\$10.4</b>	<b>\$10.6</b>	<b>\$10.8</b>	<b>\$11.1</b>	<b>\$11.3</b>	<b>\$11.6</b>	<b>Cont</b>	<b>Cont</b>

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 1998 and 1999 budget request provides funding for the procurement of MK 122 parachute deployment rocket motors, Mk 123/124 underseat rocket motors and Mk 100 Rocket Motor, various miscellaneous devices, PIP and associated production engineering and integrated logistics support.

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.

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.

PIP: Multi-year Product Improvement Programs consists of programs to ensure producibility and safety for the MK 109 Canopy Remover Rocket Motor, the MK 12/16/18 Rocket Catapults, as well as the MK 100/101/123/124 Underseat Rocket Motors.

**\*FY 95/96 & 97 only. Prior to FY 95, this program was funded in the Other Procurement, Navy BA-5 appropriation.**

P-1 SHOPPING LIST

CLASSIFICATION: UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS										DATE:		
P-40a										FEBRUARY 2000		
APPROPRIATION/BUDGET ACTIVITY						P-1 ITEM NOMENCLATURE						
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS (\$000)						Aircraft Escape Rockets/Catapults (Y1Q9)						
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
MK 122	A										Cont	Cont
QTY			217	123	117	111	188	282	260	324		
Funding			\$593	\$362	\$350	\$337	\$582	\$889	\$837	\$1,065		
MK 123	A											
QTY			6	14	15	25	47	60	27	38		
Funding			\$45	\$105	\$114	\$194	\$371	\$483	\$222	\$319		
MK 124	A											
QTY			6	27	51	39	78	94	50	50		
Funding			\$45	\$203	\$389	\$303	\$616	\$757	\$411	\$419		
Misc. Devices			\$2,609	\$4,447	\$4,414	\$4,471	\$3,783	\$3,537	\$4,403	\$4,185		
Other Support			\$4,872	\$5,137	\$5,165	\$5,330	\$5,475	\$5,435	\$5,472	\$5,621		
TOTAL		\$27,273	\$8,164	\$10,254	\$10,432	\$10,635	\$10,827	\$11,101	\$11,345	\$11,609	Cont	Cont

P-1 SHOPPING LIST

CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System			DATE: FEBRUARY 2000								
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS B.A. 1 - Navy Ammunition				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD Aircraft Escape Rockets/Catapults (Y1Q9)										
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001		
			Total Cost	Units	Unit Cost	Total Cost	Units	Unit Cost	Total Cost	Units	Unit Cost	Total Cost	Units	Unit Cost	Total Cost
	<b><u>SAFETY</u></b>														
Q9070	MK122 Parachute Deploy. RKT Mtr(MT29)	A		217	2,731.54	593	123	2,942.17	362	117	2,989.24	350	111	3,040.06	337
Q9080	MK123 Underseat Rkt Mtr (MT30)	A		6	7,500.00	45	14	7,508.70	105	15	7,628.84	114	25	7,758.53	194
Q9081	MK124 Underseat Rkt Mtr (MT31)	A		6	7,500.00	45	27	7,508.70	203	51	7,628.84	389	39	7,758.53	303
Q9130	Misc Devices Under \$500K					2,609			4,447			4,414			4,471
Q9820	Reliability Life					627			656			582			610
Q9800	Integrated Logistics Support					872			931			941			969
Q9830	Production Engineering Support					1,006			927			1,078			1,135
Q9850	Product Improvement Program					1,712			1,928			1,859			1,892
Q9860	Acceptance Test					655			695			705			724
<b>TOTAL</b>				<b>27,273</b>		<b>8,164</b>		<b>10,254</b>		<b>10,432</b>		<b>10,635</b>			

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE <b>FEBRUARY 2000</b>		
B. APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS B.A.1 - Navy Ammunition</b>					C. P-1 ITEM NOMENCLATURE <b>Aircraft Escape Rockets/Catapults</b>				SUBHEAD <b>(Y1Q9)</b>	
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	IF NO WHEN AVAILABLE
<u>Q9070 MK 122 Parachute Deployment Rkt Mtr (MT29)</u>										
			(Mechanicsburg, PA)			(LONDON, UK)				
FY 98	217	2,732	NAVICP	DEC 97	C/FP	MARTIN-BAKER	MAR 98	APR 99	YES	
FY 99	123	2,942	NAVICP	SEP 98	C/FP	MARTIN-BAKER	FEB 99	APR 00	YES	
FY 00	117	2,989	TBD	TBD	C/FP	UNKNOWN	APR 00	APR 01	YES	
FY 01	111	3,040	TBD	TBD	C/FP	UNKNOWN	APR 01	APR 02	YES	
<u>Q9080 MK 123 Underseat Rkt Mtr (MT30)</u>										
			(Mechanicsburg, PA)			(LONDON, UK)				
FY 98	6	7,500	NAVICP	DEC 97	C/FP	MARTIN-BAKER	MAR 98	JUNE 99	YES	
FY 99	14	7,509	NAVICP	SEP 98	C/FP	MARTIN-BAKER	FEB 99	APR 00	YES	
FY 00	15	7,629	TBD	TBD	C/FP	UNKNOWN	APR 00	APR 01	YES	
FY 01	25	7,759	TBD	TBD	C/FP	UNKNOWN	APR 01	APR 02	YES	
<u>Q9081 MK 124 Underseat Rkt Mtr (MT31)</u>										
			(Mechanicsburg, PA)			(LONDON, UK)				
FY 98	6	7,500	NAVICP	DEC 97	C/FP	MARTIN-BAKER	MAR 98	JUNE 99	YES	
FY 99	27	7,509	NAVICP	SEP 98	C/FP	MARTIN-BAKER	FEB 99	APR 00	YES	
FY 00	51	7,629	TBD	TBD	C/FP	UNKNOWN	APR 00	APR 01	YES	
FY 01	39	7,759	TBD	TBD	C/FP	UNKNOWN	APR 01	APR 02	YES	
D. REMARKS										



CLASSIFICATION:

**UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: FEBRUARY 2000					
APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS/BA-1 Navy Ammunition</b>							P-1 ITEM NOMENCLATURE <b>AIRBORNE EXPENDABLE C/M PROGRAM (SH Y1QA)</b>					
Program Element for Code B Items: <b>RDT&amp;E 0604270N</b>							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	*											
	<b>\$51.2</b>		<b>\$22.2</b>	<b>\$28.7</b>	<b>\$47.3</b>	<b>\$39.3</b>	<b>\$39.6</b>	<b>\$48.0</b>	<b>\$50.7</b>	<b>\$60.0</b>	<b>CONT</b>	<b>CONT</b>
<p>The Airborne Expendable Countermeasures (ABN EXP C/M) line provides funding for procurement of countermeasure self-protection devices for all Navy and Marine Corps tactical, rotary and other fixed-wing aircraft. The ABN EXP C/M 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.</p> <p><b>Chaff Countermeasures:</b> Replenishment of RR-129 and RR-144 stock will begin in FY 2000. The RR-XXX (1X2) common chaff countermeasure is in support of the F/A-18 (E/F).</p> <p><b>Active Jammers:</b> The Advanced Airborne Electronic Decoy (AAED), part of the ALE-50 program, achieved a Milestone III Production Decision in FY 1997. Procurement of the AAED Towed Expendable Decoy began in FY 1997. 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 starts FY 2001. AAED and FOTD were developed under PE 0604270N RDT&amp;E, Project E2175.</p> <p><b>IR Decoys:</b> 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 will begin in FY 2000. The MJU-51 and MJU-53 are part of the common IR solution for the F/A-18 E/F and AV-8. Electronic Warfare Advanced Technology (EWAT) ALE-39 six inch advanced and companion expendables begins in FY 2002.</p> <p><b>Impulse Cartridges:</b> Used to propel the self-protection devices away from the aircraft. In FY 1997, the CCU136A replaced the CCU/63 and the CCU41/B. Beginning FY 2000 a Hazards of Electromagnetic Radiation (HERO) safe impulse cartridge CCU136A/A will replace the CCU136A. The BBU-36 is used with the MJU-47 and the BBU-35 is used with the MJU-48 and MJU-51. The CCU-144A and CCU145A are HERO safe versions of, and will replace, the BBU 36 and BBU35 respectively. The Simulator Plug is a low cost maintenance tool and alternative training device.</p> <p><b>Support costs:</b> Provide for required Production Engineering (PE), Product Improvement (PIP), Quality Assurance (QA), Acceptance Test and Evaluation (AT&amp;E), and Integrated Logistic Support (ILS) by NAVAIR engineering/cognizant field activities.</p> <p>* FY 95-97 only. Prior to FY 95, this program was funded in the Weapons Procurement, Navy (WPN) and Other Procurement, Navy (OPN) appropriations.</p>												

CLASSIFICATION:

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a							DATE: FEBRUARY 2000					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION,NAVY & MARINE CORPS/BA-1 Navy Ammunition					P-1 ITEM NOMENCLATURE AIRBORNE EXPENDABLE C/M PROGRAM (SH Y1QA)							
Procurement Items	ID Code	Prior Years *	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
<b>ACTIVE JAMMERS</b>												
AAED (ALE-50)	A											
Quantity		92	156	312	190	50					CONT	CONT
Funding		2,380	3,549	6,862	4,134	1,098						
<b>FOTD (IDECM)</b>												
Quantity						90	170	320	360	431	CONT	CONT
Funding						4,824	7,599	13,504	14,400	17,240		
<b>TOWED DECOY TRNG RND</b>												
Quantity					75	49		216	235	216	CONT	CONT
Funding					479	316		1,407	1,546	1,435		
<b>IR DECOYS</b>												
MJU-27A/B Decoy	A											
Quantity		90,797	69,420	52,699	90,720	35,920	36,000	11,520			CONT	CONT
Funding		8,471	5,703	3,987	6,824	2,780	2,736	910				
<b>MJU-32/B</b>												
Quantity		262,176	114,660								CONT	CONT
Funding		6,734	2,047									
<b>MJU-38/B</b>												
Quantity		131,094			126,420	88,200	76,000	80,640			CONT	CONT
Funding		4,285			3,228	2,205	1,930	2,081				
<b>MJU-49/B (Helo)</b>												
Quantity				20,400	28,800	31,680	28,800	33,120	34,490	34,090	CONT	CONT
Funding				2,789	3,578	3,738	3,168	3,643	4,319	4,337		
<b>SM875A</b>												
Quantity		240,280	200,640	200,000	200,640	200,640	200,640	100,320	100,320	100,320	CONT	CONT
Funding		1,596	1,158	1,036	1,047	1,057	1,067	544	554	565		
* FY95 through FY97 only												
Page Total		23,466	12,457	14,674	19,290	16,018	16,500	22,089	20,819	23,577		

**CLASSIFICATION:**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a							DATE: FEBRUARY 2000					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION,NAVY & MARINE CORPS/BA-1 Navy Ammunition					P-1 ITEM NOMENCLATURE AIRBORNE EXPENDABLE C/M PROGRAM (SH Y1QA)							
Procurement Items	ID Code	Prior Years *	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
MK28 MOD 3	A											
Quantity			30	30							CONT	CONT
Funding			6	7								
MJU-35/B	A											
Quantity			1,000	5,000							CONT	CONT
Funding			129	614								
MJU-36B	A											
Quantity			1,000	5,000							CONT	CONT
Funding			70	217								
MJU-47/B ASTE Kinematic	A											
Quantity							8,300	8,300	12,000	12,000	CONT	CONT
Funding							1,434	1,462	2,156	2,199		
MJU-48 ASTE Companion	A											
Quantity							8,300	8,300	12,000	12,000	CONT	CONT
Funding							1,062	1,083	1,598	1,630		
MJU-51 ASTE SM	A											
Quantity						10,000	8,900	10,000	12,000	12,000	CONT	CONT
Funding						1,632	1,481	1,698	2,017	2,038		
MJU-52 BOL IR	A											
Quantity					113,565	30,720	30,720	38,400	38,400	76,800	CONT	CONT
Funding					3,973	1,290	1,044	1,229	1,152	2,327		
MJU-53 Common Flare												
Quantity						10,000	8,000	10,000	12,000	12,000	CONT	CONT
Funding						600	272	340	408	408		
EWAT Adv (ALE-39)												
Quantity							2,000	10,000	17,000	34,000	CONT	CONT
Funding							360	1,800	3,060	6,120		
EWAT Companion												
Quantity							2,000	10,000	17,000	34,000	CONT	CONT
Funding							240	1,200	2,040	4,080		
			* FY95 through FY97 only									
Page Total			205	838	3,973	3,522	5,893	8,812	12,431	18,802		

CLASSIFICATION:

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a							DATE: FEBRUARY 2000					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION,NAVY & MARINE CORPS/BA-1 Navy Ammunition					P-1 ITEM NOMENCLATURE AIRBORNE EXPENDABLE C/M PROGRAM (SH Y1QA)							
Procurement Items	ID Code	Prior Years *	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
<b>IMPULSE CARTRIDGES</b>												
CCU-136 (GENERIC)	A											
Quantity		459,979	245,621	983,465							CONT	CONT
Funding		882	194	2,596								
CCU-136A/A (HERO SAFE)	A											
Quantity					950,400	799,680	700,000	700,000	600,000	600,000	CONT	CONT
Funding					3,155	2,759	2,639	2,653	2,292	2,304		
BBU-36/CCU-144A	A											
Quantity						12,100	16,200	29,500	42,400	36,600	CONT	CONT
Funding						85	42	77	111	97		
BBU-35/CCU-145A	A											
Quantity						22,200	28,500	19,500	36,600	42,400	CONT	CONT
Funding						155	74	51	96	112		
Simulator Plug	A											
Quantity					33,000		5,000				CONT	CONT
Funding					78		8					
<b>CHAFF COUNTERMEASURES</b>												
RR-129 CHAFF CM	A											
Quantity					501,120	299,520	299,520	299,520	299,520	299,520	CONT	CONT
Funding					4,961	2,372	2,558	2,597	2,636	2,678		
RR-144A TRNG CHAFF	A											
Quantity					97,920	115,200	99,840	99,840	115,200	115,200	CONT	CONT
Funding					979	1,521	1,389	1,411	1,653	1,678		
RR-XXX COMMON CHAFF 1X2	A											
Quantity							8,000	10,000	30,300	30,300	CONT	CONT
Funding							176	220	667	667		
* FY95 through FY97 only												
Page Total												
		882	194	2,596	9,173	6,892	6,886	7,009	7,455	7,536		



# UNCLASSIFIED

CLASSIFICATION:

WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System						DATE: FEBRUARY 2000			
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 (SH Y1QA)								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001		
			Total Cost *	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QA110	<b>ACTIVE JAMMERS</b> AAED (ALE-50)	A	2,380	156	22.74700	3,549	312	21.99359	6,862	190	21.75789	4,134	50	21.96000	1,098
QA120	FOTD / IDECM	B											90	53.60000	4,824
QA125	TOWED DECOY TRNG RND	B								75	6.38667	479	49	6.44898	316
	<b>IR DECOYS</b>														
QA130	MJU-27A/B DECOY DEVICE	A	8,471	69,420	0.08215	5,703	52,699	0.07566	3,987	90,720	0.07522	6,824	35,920	0.07739	2,780
QA140	MJU-32/B ROTARY-WING DECOY	A	6,734	114,660	0.01785	2,047									
QA150	MJU-38/B FIXED WING DECOY	A	4,285							126,420	0.02553	3,228	88,200	0.02500	2,205
QA190	MJU-49/B DECOY DEVICE	A					20,400	0.13672	2,789	28,800	0.12424	3,578	31,680	0.11799	3,738
QA260	SM875A (TRAINING FLARE)	A	1,596	200,640	0.00577	1,158	200,000	0.00518	1,036	200,640	0.00522	1,047	200,640	0.00527	1,057
QA160	MK28 MOD 3 (TARGET FLARE)	A		30	0.20000	6	30	0.23333	7						
QA170	MJU-35/B DECOY DEVICE	A		1,000	0.12900	129	5,000	0.12280	614						
QA180	MJU-36B FIXED-WING DECOY	A		1,000	0.07000	70	5,000	0.04340	217						
TBD	MJU-51 ASTE SM	A											10,000	0.16320	1,632
QA200	MJU-52 BOL IR	A								113,565	0.03498	3,973	30,720	0.04199	1,290
TBD	MJU-53 Common Flare	A											10,000	0.06000	600
<b>PAGE TOTAL</b>			<b>23,466</b>			<b>12,662</b>			<b>15,512</b>			<b>23,263</b>			<b>19,540</b>

# UNCLASSIFIED

CLASSIFICATION:

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System						DATE: <b>FEBRUARY 2000</b>						
APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS/BA-1 Navy Ammunition</b>				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD <b>AIRBORNE EXPENDABLE C/M PROGRAM (SH Y1QA)</b>											
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001			
			Total Cost *	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
QA090	<b>IMPULSE CARTRIDGES</b> CCU-136 (GENERIC)	A	882	245,621	0.00079	194	983,465	0.00264	2,596							
QA090	CCU-136A/A (HERO SAFE)	A								950,400	0.00332	3,155	799,680	0.00345	2,759	
QA095	Simulator Plug	A								33,000	0.00236	78				
TBD	BBU-36/CCU-144A	A											12,100	0.00702	85	
TBD	BBU-35/CCU-145A	A											22,200	0.00698	155	
	<b>CHAFF COUNTERMEASURES</b>															
QA010	RR-129 CHAFF CM	A								501,120	0.00990	4,961	299,520	0.00792	2,372	
QA020	RR-144A TRNG CHAFF	A								97,920	0.01000	979	115,200	0.01320	1,521	
	<b>SUPPORT COSTS</b>															
QA830	PRODUCTION ENGINEERING		6,394			2,509			2,966			4,188			4,470	
QA840	HQ IOC SUPPORT		3,821			505			251							
QA850	PRODUCT IMPROVEMENT		6,761			3,012			3,822			6,638			5,106	
QA860	ACCEPTANCE TEST & EVALUATION		9,083			3,038			3,244			3,683			2,940	
QA800	ILS		840			280			345			345			345	
<b>P5 GRAND TOTAL</b>			<b>51,247</b>			<b>22,200</b>			<b>28,736</b>			<b>47,290</b>			<b>39,293</b>	

# UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			DATE <b>FEBRUARY 2000</b>		
B. APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS BA-1 Navy Ammunition</b>					C. P-1 ITEM NOMENCLATURE <b>AIRBORNE EXPENDABLE C/M PROGRAM</b>				SUBHEAD <b>Y1QA</b>	
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
<b>ACTIVE JAMMERS</b>										
AAED (ALE-50) (N012) FY 98	156	22.74700	Wright Pat AFB, OH	N/A	SS/Option	Raytheon, Goleta, CA	Jan-98	Mar-99	YES	
(N012) FY 99	312	21.99359	Wright Pat AFB, OH	N/A	SS/Option	Raytheon, Goleta, CA	Mar-99	Mar-00	YES	
(N012) FY 00	190	21.75789	Wright Pat AFB, OH	N/A	SS/Option	Raytheon, Goleta, CA	Jan-00	Mar-01	YES	
(N012) FY 01	50	21.96000	Wright Pat AFB, OH	N/A	SS/Option	Raytheon, Goleta, CA	Jan-01	Mar-02	YES	
FOTD (IDECM) (TBD) FY 01	90	53.60000	NAVAIR PAX River	Jan-01	SS/FP	Sanders,Nashua, NH	Jun-01	Sep-02	YES	
TOWED DECOY TRNG RND (TBD) FY 00	75	6.38667	Wright Pat AFB, OH	N/A	SS/Option	Raytheon, Goleta, CA	Jan-00	Mar-01	YES	
(TBD) FY 01	49	6.44898	Wright Pat AFB, OH	N/A	SS/Option	Raytheon, Goleta, CA	Jan-01	Mar-02	YES	
<b>INFRARED DECOYS</b>										
<b>MJU-27A/B DECOY</b>										
(EWAA) FY 99	52,699	0.07566	SMCA Rock Island, IL	Dec-98	SS/FP	Alloy, Wilmington, DE	Mar-99	May-99	YES	
(EWAA) FY 00	90,720	0.07522	NSWC Crane, IN	Dec-99	SS/FP	Alloy, Wilmington, DE	Jan-00	May-00	YES	
(EWAA) FY 01	35,920	0.07739	NSWC Crane, IN	Dec-00	SS/FP	Alloy, Wilmington, DE	Jan-01	May-01	YES	
<b>MJU-38/B FIXED WING DECOY</b>										
(LA02) FY 00	126,420	0.02553	NSWC Crane, IN	Dec-99	C/FP	TBD	Mar-00	Jul-00	YES	
(LA02) FY 01	88,200	0.02500	NSWC Crane, IN	Dec-00	C/FP	TBD	Mar-01	Jul-01	YES	
<b>MJU-49/B DECOY DEVICE</b>										
(DWCI) FY 99	20,400	0.13672	NSWC Crane, IN	Nov-98	SS/FP	Alloy, Wilmington, DE	Sep-99	Dec-99	YES	
(DWCI) FY 00	28,800	0.12424	NSWC Crane, IN	Nov-99	SS/FP	Alloy, Wilmington, DE	Jan-00	May-00	YES	
D. REMARKS										

# UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE <b>FEBRUARY 2000</b>		
B. APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS BA-1 Navy Ammunition</b>					C. P-1 ITEM NOMENCLATURE <b>AIRBORNE EXPENDABLE C/M PROGRAM</b>				SUBHEAD <b>Y1QA</b>	
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
<b>INFRARED DECOYS CONT'D</b>										
MJU-49/B DECOY DEVICE (DWCI) FY 01	31,680	0.11799	NSWC Crane, IN	Nov-99	SS/FP	Alloy, Wilmington, DE	Jan-01	May-01	YES	
SM875A TRNG FLARE (LA10) FY 98	200,640	0.00577	NSWC Crane, IN	Dec-97	C/FP	Martin, Perry, FL	Sep-98	Jul-99	YES	
(LA10) FY 99	200,000	0.00518	NSWC Crane, IN	Dec-98	C/FP	Martin, Perry, FL	May-99	Feb-00	YES	
(LA10) FY 00	200,640	0.00522	NSWC Crane, IN	Dec-99	C/FP	TBD	Apr-00	Oct-00	YES	
(LA10) FY 01	200,640	0.00527	NSWC Crane, IN	Dec-99	C/FP	TBD	Apr-01	Oct-01	YES	
MK-28 MOD 3 TARGET FLARE (LW39) FY 99	30	0.23333	N/A	N/A	N/A	NSWC Crane, IN	Jan-99	Jun-99	YES	
MJU-35/B DECOY DEVICE (DWCG) FY 99	5,000	0.12280	NSWC Crane, IN	Oct-98	SS/FP	Alloy, Wilmington, DE	Apr-99	Jun-99	YES	
MJU-36B FIXED WING DECOY (DWCH) FY 99	5,000	0.04340	N/A	N/A	N/A	NSWC Crane, IN	Feb-99	Jun-99	YES	
MJU-51 ASTE SM (TBD) FY 01	10,000	0.16320	NSWC Crane, IN	Dec-00	SS/FP	Alloy, Wilmington, DE	Jan-01	Jul-01	YES	
BOL IR MJU-52 (DWCO) FY 00	113,565	0.03498	NSWC Crane, IN	Dec-99	SS/FP	Alloy, Wilmington, DE	Apr-00	Jul-00	YES	
(DWCO) FY 01	30,720	0.04199	NSWC Crane, IN	Dec-00	SS/FP	Alloy, Wilmington, DE	Jan-01	Jul-01	YES	
MJU-53 Common Flare (TBD) FY 01	10,000	0.06000	N/A	N/A	N/A	NSWC Crane, IN	Jan-01	Jul-01	YES	
D. REMARKS										

# UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE <b>FEBRUARY 2000</b>		
B. APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS BA-1 Navy Ammunition</b>					C. P-1 ITEM NOMENCLATURE <b>AIRBORNE EXPENDABLE C/M PROGRAM</b>				SUBHEAD <b>Y1QA</b>	
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
<b><u>IMPULSE CARTRIDGES</u></b>										
CCU-136 (GENERIC) (SS36) FY 97	459,979	0.00192	NICP Mechanicsburg	Feb-97	C/FP	Tech Ord, St. Bonafacius, MN	Aug-97	Dec-98	YES	
(SS36) FY 98	245,621	0.00079	NICP Mechanicsburg	Dec-97	C/FP	Tech Ord, St. Bonafacius, MN	Apr-98	Jan-00	YES	
(SS36) FY 99	983,465	0.00264	NICP Mechanicsburg	Dec-98	C/FP	CAPCO, Grand Junction, CO	Sep-99	Feb-00	YES	
CCU-136A/A (HERO SAFE) (WA83) FY 00	950,400	0.00332	NICP Mechanicsburg	Dec-99	C/FP	TBD	May-00	Feb-01	YES	
(WA83) FY 01	799,680	0.00345	NICP Mechanicsburg	Dec-01	C/FP	TBD	May-01	Feb-02	YES	
SIMULATOR PLUG (TBD) FY 00	33,000	0.00236	TBD	TBD	C/FP	TBD	May-00	Feb-01	YES	
BBU-36/CCU-144A (TBD) FY 01	12,100	0.00702	NICP Mechanicsburg	Dec-01	C/FP	TBD	May-01	Feb-02	YES	
BBU-35/CCU-145A (TBD) FY 01	22,200	0.00698	NICP Mechanicsburg	Dec-01	C/FP	TBD	May-01	Feb-02	YES	
<b><u>CHAFF COUNTERMEASURES</u></b>										
RR-129 CHAFF CM (DWCF) FY 00	501,120	0.00990	NICP Mechanicsburg	Jan-00	C/FP	Marconi, Lillington, NC	Apr-00	Oct-00	YES	
(DWCF) FY 01	299,520	0.00792	NICP Mechanicsburg	Jan-01	C/FP	Marconi, Lillington, NC	Apr-01	Oct-01	YES	
RR-144A TRNG CHAFF (DWCB) FY 00	97,920	0.01000	NICP Mechanicsburg	Dec-99	C/FP	Marconi, Lillington, NC	Apr-00	Aug-00	YES	
(DWCB) FY 01	115,200	0.01320	NICP Mechanicsburg	Dec-00	C/FP	Marconi, Lillington, NC	Apr-01	Aug-01	YES	
D. REMARKS										





FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21						DATE						FEBRUARY 2000																										
APPROPRIATION/BUDGET ACTIVITY						Weapon System						P-1 ITEM NOMENCLATURE																										
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA-1 Navy Ammunition												AIRBORNE EXPENDABLE C/M PROGRAM (SH Y1QA)																										
						Production Rate			Procurement Leadtimes																													
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																								
CCU-136	CAPCO, Grand Junction,CO					10,000	41,000	82,000		12	5		17	K																								
CCU-136A/A	TBD					10,000	41,000	82,000		8	9		17	K																								
SIMULATOR PLUG	TBD					TBD	TBD	TBD		8	9		17	K																								
BBU-36/CCU-144A	TBD					TBD	TBD	TBD		8	9		17	K																								
BBU-35/CCU-145A	TBD					TBD	TBD	TBD		8	9		17	K																								
RR-129	Marconi, Lillington, NC					28,800	57,600	86,400		7	6		13	K																								
RR-144A	Marconi, Lillington, NC					14,400	28,800	86,400		7	4		11	K																								
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1999												FISCAL YEAR 2000												B A L								
						1998						CALENDAR YEAR 1999						CALENDAR YEAR 2000																				
						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									
CCU-136 (TECH ORD)	97		460.0	0.0	460.0			40.0	40.0	60.0	80.0	80.0	60.0	40.0	39.8		20.2																					0.0
CCU-136 (TECH ORD)	98		245.6	0.0	245.6																																0.0	
CCU-136 (CAPCO)	99		983.5	0.0	983.5																															328.0		
CCU-136A/A (TBD)	00		950.4	0.0	950.4																															950.4		
SIMULATOR PLUG (TBD)	00		33.0	0.0	33.0																															33.0		
RR-129 (ALLIANT)	00		501.1	0.0	501.1																														501.1			
RR-144A (ALLIANT)	00		97.9	0.0	97.9																														81.7			
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2001												FISCAL YEAR 2002												B A L								
						2000						CALENDAR YEAR 2001						CALENDAR YEAR 2002																				
						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									
CCU-136 (TECH ORD)	98		245.6	0.0	245.6																															0.0		
CCU-136 (CAPCO)	99		983.5	655.5	328.0	82.0	82.0	82.0	82.0																											0.0		
CCU-136A/A (TBD)	00		950.4	0.0	950.4					79.2	79.2																								0.0			
CCU-136A/A (TBD)	01		800.0	0.0	800.0																														266.8			
SIMULATOR PLUG (TBD)	00		33.0	0.0	33.0					11.0	11.0																								0.0			
BBU-36/CCU-144A (TBD)	01		12.1	0.0	12.1																														0.0			
BBU-35/CCU-145A (TBD)	01		22.2	0.0	22.2																														0.0			
RR-129 (ALLIANT)	00		501.1	0.0	501.1	41.7	41.7	41.7	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8																			0.0			
RR-129 (ALLIANT)	01		299.5	0.0	299.5																														0.0			
RR-144A (ALLIANT)	00		97.9	16.2	81.7	8.1	8.1	8.1	8.2	8.2	8.2	8.2	8.2	8.2																				0.0				
RR-144A (ALLIANT)	01		115.2	0.0	115.2																														0.0			
Remarks:																																						

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21											DATE FEBRUARY 2000										
APPROPRIATION/BUDGET ACTIVITY						Weapon System					P-1 ITEM NOMENCLATURE										
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA-1 Navy Ammunition											AIRBORNE EXPENDABLE C/M PROGRAM (SH Y1QA)										
		Production Rate				Procurement Leadtimes															
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure							
ITEM / MANUFACTURER														B A L							
FISCAL YEAR 2003														FISCAL YEAR 2004							
2002														CALENDAR YEAR 2003	CALENDAR YEAR 2004						
O C T N O V D E C J A N F E B M A R A P R M A Y J U N J U L A U G S E P O C T N O V D E C J A N F E B M A R A P R M A Y J U N J U L A U G S E P														B A L							
AAED ALE-50 (RAYTHEON)	01		50.0	28.0	22.0	4.0	4.0	4.0	5.0	5.0				0.0							
FOTD IDECM (SANDERS)	01		90.0	7.0	83.0	7.0	7.0	7.0	7.0	7.0	8.0	8.0	8.0	8.0	0.0						
TOWED DECOY TRNG RND (SANDERS)	01		49.0	28.0	21.0	4.0	4.0	4.0	4.0	5.0				0.0							
CCU-136A/A (TBD)	01		800.0	533.2	266.8	66.7	66.7	66.7	66.7					0.0							
ITEM / MANUFACTURER														B A L							
FISCAL YEAR 2004														FISCAL YEAR 2005							
2003														CALENDAR YEAR 2004	CALENDAR YEAR 2005						
O C T N O V D E C J A N F E B M A R A P R M A Y J U N J U L A U G S E P O C T N O V D E C J A N F E B M A R A P R M A Y J U N J U L A U G S E P														B A L							
Remarks:																					

**CLASSIFICATION:**

**BUDGET ITEM JUSTIFICATION SHEET  
P-40**

DATE:

**February 2000**

APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b>	P-1 ITEM NOMENCLATURE <b>Marine Location Markers (Y1Q6)</b>
--	--

Program Element for Code B Items:	Other Related Program Elements
-----------------------------------	--------------------------------

QUANTITY	Prior Years*	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
COST (In Millions)	<b>\$2.6</b>	A	<b>\$0.6</b>	<b>\$1.3</b>								

Beginning FY 2000 Marine Location Markers is under the heading of Ammunition less than \$5 million

**Marine Location Markers**

These items include both air-launched and hand-launched pyrotechnic devices. The aircraft launched units visually assist locating sonobouys during anti-submarine operations. The hand launched units were used in a variety of situations which require a "marked spot" on the water surface, including man-overboard drills. 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 sea surface reference point marking that calls for both smoke and flame for approximately fifteen minutes.

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 were required to: complete testing and documentation of the MK 58 Mod 2, which makes the unit standard sonobouy size and incorporates a scuttling device that will work for consumed or dud units, and design and incorporate 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.

The significant increase in funding from FY 1998 to FY 1999 and out is associated with the procurement of new MK 58 units.

NAVY RESERVE (FY99 is below 26K)	<u>FY98</u> <b>\$0.0</b>	<u>FY99</u> <b>\$0.0</b>
----------------------------------	-----------------------------	-----------------------------



**CLASSIFICATION:**

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2000					
APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b>							P-1 ITEM NOMENCLATURE <b>JATO (JET ASSISTED TAKE OFF) (Y1Q7)</b>					
Program Element for Code B Items:							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	<b>\$12.3</b>	A	<b>\$4.4</b>	<b>\$3.2</b>	<b>\$3.9</b>	<b>\$5.0</b>	<b>\$4.8</b>	<b>\$4.8</b>	<b>\$4.8</b>	<b>\$5.0</b>	<b>Continuing</b>	<b>Continuing</b>
<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-FY97 only, these programs were funded in FY94 and prior from the Weapons Procurement, Navy (WPN) and Other Procurement Navy (OPN) accounts.</p>												
			<u>FY98</u>	<u>FY99</u>	<u>FY00</u>	<u>FY01</u>	<u>FY02</u>	<u>FY03</u>	<u>FY04</u>	<u>FY05</u>		
NAVY RESERVE			<b>\$0.1</b>	<b>\$0.0*</b>	<b>\$0.1</b>	<b>\$0.1</b>	<b>\$0.1</b>	<b>\$0.1</b>	<b>\$0.1</b>	<b>\$0.1</b>	<b>\$0.1</b>	
*Less than \$50K												

UNCLASSIFIED

CLASSIFICATION:

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a							DATE: February 2000					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS (\$000s)					P-1 ITEM NOMENCLATURE JATO (JET ASSISTED TAKE OFF) (Y1Q7)							
Procurement Items	ID Code	Prior Years*	FY 1998	FY 1999**	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
MK 117 RKT MTR	A										Continuing	Continuing
Quantity		2995	930	340	0	815	959	784	815	874		
Funding		\$9,764.0	\$3,102.0	\$1,152.0	\$0.0	\$2,844.0	\$3,403.0	\$2,835.0	\$3,006.0	\$3,288.0		
MK 125 RATO	A											
Quantity		148	72	324	656	276	72	161	156	120		
Funding		\$485.0	\$281.0	\$1,433.0	\$2,943.0	\$1,258.0	\$334.0	\$760.0	\$752.0	\$590.0		
Other Costs		\$2,027.0	\$1,029.0	\$608.0	\$913.0	\$893.0	\$1,084.0	\$1,200.0	\$1,091.0	\$1,097.0		
Total P-1 FUnDing		\$12,276.0	\$4,412.0	\$3,193.0	\$3,856.0	\$4,995.0	\$4,821.0	\$4,795.0	\$4,849.0	\$4,975.0		
*Reflects FY95-FY97 only, these programs were funded in FY94 and prior from the Weapons Procurement, Navy (WPN) and Other Procurement Navy (OPN) accounts												

CLASSIFICATION:

**UNCLASSIFIED**

**CLASSIFICATION: UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5							Weapon System				DATE: February 2000				
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS (\$000'S)							ID Code		P-1 ITEM NOMENCLATURE/SUBHEAD JATO (JET ASSISTED TAKE OFF) (Y1Q7)						
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years*	FY 1998			FY 1999			FY 2000			FY 2001		
			Total Cost	Quantity	Unit Cost	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	9,764	930	3335.00	3,102	340	3388.00	1,152	-	-	-	815	3490.00	2,844
Q7050	MK 125 RATO (H311)	A	485	72	3903.00	281	324	4423.00	1,433	656	4486.00	2,943	276	4558.00	1,258
Q7800	Integrated Logistics Support		154			60			165			165			165
Q7830	Production Engineering Support		1,099			412			419			412			505
Q7850	Product Improvement Program		774			557			24			336			223
			<b>12,276</b>			<b>4,412</b>			<b>3,193</b>			<b>3,856</b>			<b>4,995</b>

FY98 unit cost is based on actuals for FY98. FY99-FY05 is based on NWCF escalation rates.  
 \*Prior Years Reflects FY95-FY97 only, these programs were funded in FY94 and prior from the Weapons Procurement, Navy (WPN) and Other Procurement Navy (OPN) accounts.

**UNCLASSIFIED**

CLASSIFICATION:

# UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE				
B. APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b>					C. P-1 ITEM NOMENCLATURE <b>JATO (JET ASSISTED TAKE OFF)</b>					February 2000		
										SUBHEAD <b>Y1Q7</b>		
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 98	930	3335.00	NAVAIR	N/A	PO	NSWC IH (IH, MD)	Apr-98	May-99	YES			
FY 99	340	3388.00	NAVAIR	N/A	PO	NSWC IH (IH, MD)	Apr-99	Apr-00	YES			
FY 01	815	3490.00	NAVAIR	N/A	PO	NSWC IH (IH, MD)	Apr-01	Apr-02	YES			
Q7050 MK 125 RATO (H311)												
FY 98	72	3903.00	NSWC IH	Jan-98	C/FP	NSWC IH (IH, MD)	Apr-98	Mar-00	YES			
FY 99	324	4423.00	NSWC IH	Jan-99	UNK	UPCO	Sep-99	Oct-00	YES			
FY 00	656	4486.00	NSWC IH	Jan-00	UNK	NSWC IH (IH, MD)	Apr-00	Apr-01	YES			
FY 01	276	4558.00	NSWC IH	Jan-01	UNK	NSWC IH (IH, MD)	Apr-01	Apr-02	YES			
D. REMARKS												
The MK-125 RATO quantity increase, from FY 99 to FY 00, is insufficient in scale to effect the FY 00 unit cost.												





CLASSIFICATION:

**UNCLASSIFIED**

<b>BUDGET ITEM JUSTIFICATION SHEET</b>								DATE: <b>February 2000</b>					
<b>P-40</b>													
APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b>								P-1 ITEM NOMENCLATURE <b>5"/54 GUN AMMUNITION</b>					
Program Element for Code B Items: <b>SUBHEAD NO. A1AC</b>								Other Related Program Elements <b>BLIN: 025000</b>					
	Prior Years	ID Code	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY													
COST (In Millions)					<b>\$21.7</b>	<b>\$15.7</b>	<b>\$14.9</b>	<b>\$15.0</b>	<b>\$14.7</b>	<b>\$15.0</b>	<b>\$15.4</b>		
<u>ITEM DESCRIPTION/JUSTIFICATION:</u>  This is a round of ammunition (separate loading ammunition) fired from cruiser and destroyertype combatant ships against air, surface and shore targets. There are also numerous barrels located at schools and engineering test sites.  <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.													

**UNCLASSIFIED**



CLASSIFICATION:

**UNCLASSIFIED**

<b>WEAPONS SYSTEM COST ANALYSIS</b> P-5		Weapon System			DATE: <b>February 2000</b>	
APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b>		ID Code <b>025000</b>	P-1 ITEM NOMENCLATURE/SUBHEAD <b>5"/54 GUN AMMUNITION SUBHEAD NO. A1AC</b>			

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001			
			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 BL&P 5"/54 PROJ. HE MFF  PE/QA (SMCA)	D349 MFFP					2,692	2,179.00	5,866		11,500	256.35	2,948	12,000	281.91	3,383
AC830	PRODUCTION ENGINEERING							3,455				1,500				2,205
AC850	PRODUCT IMPROVEMENT							5,851				1,500				1,000
AC893	RENOVATION COMPONENTS							5,981				9,187				7,802
AC894	GAUGE REQUIREMENTS							354				392				375
AC895	NON-STANDARD ITEMS							165				170				175
			<b>0</b>						<b>21,672</b>				<b>15,697</b>			<b>14,948</b>

**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					5"/54 GUN AMMUNITION				A1AC	
BLIN: 025000										
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
AC100										
5"/54 BL & P D349										
FY 2000	11500	256.35	AMCCOM DRSMC	Nov-99	MIPR	UNKNOWN	Mar-00	Feb-02	YES	
FY 2001	12000	281.91	AMCCOM DRSMC	Nov-00	MIPR	UNKNOWN	Mar-01	Feb-03	NO	Jul-00
D. REMARKS										
NOTE: All items shown are priced with available GFM.										





CLASSIFICATION:

**UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: February 2000			
APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b>								P-1 ITEM NOMENCLATURE <b>5"/62 CAL EXTENDED RANGE GUIDED MUNITION (ERGM)</b>					
Program Element for Code B Items: <b>SUBHEAD NO. A1AK</b>								Other Related Program Elements <b>BLIN: 025300</b>					
	Prior Years	ID Code	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY													
COST (In Millions)					<b>\$14.2</b>	<b>\$3.0</b>	<b>\$5.7</b>	<b>\$6.2</b>	<b>\$32.2</b>	<b>\$57.0</b>	<b>\$0.0</b>		
<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>													

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 2000					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS				ID Code 025300		P-1 ITEM NOMENCLATURE/SUBHEAD 5"/62 CAL EXTENDED RANGE GUIDED MUNITION (ERGM) SUBHEAD NO. A1AK												
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001					
			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 Propelling Charge 5"/62 INT BALLISTICS SIMULATOR TEST 5"/62 HANDLING CYCLE DUMMY RD.	PCHG IBST HDUM					410	3658.54	1,500				72	6500.00	468	24	6500.00	156
AK831	PRODUCTION ENGINEERING								2,861						1,524			2,674
AK850	PRODUCT IMPROVEMENT								9,810						1,000			2,893
			0												2,992			5,723

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				A. DATE	
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					5"/62 CAL EXT. RANGE GUIDED MUNITION BLIN: 025300				February 2000	
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
AK100										
5"/62 INT BALLISTICS SIM TEST (IBST)										
FY 2000	72	6500.00	NAVY	Nov-99	MIPR	UNKNOWN	Mar-00	Sep-01	YES	
FY 2001	24	6500.00	NAVY	Nov-00	MIPR	UNKNOWN	Feb-01	Sep-02	NO	Jul-00

D. REMARKS

NOTE: All items shown are priced with available GFM.







CLASSIFICATION:

**UNCLASSIFIED**

PROCUREMENT PROGRAM - RESERVE COMPONENTS P-1R				Weapon System									DATE: February 2000					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS				ID Code 026001	P-1 ITEM NOMENCLATURE/SUBHEAD CIWS GUN AMMUNITION SUBHEAD NO. A1AE													
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
AE000	CIWS GUN AMMUNITION						1,003			6								
			0							6			0					0

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 2000		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS				ID Code 026000	P-1 ITEM NOMENCLATURE/SUBHEAD CIWS GUN AMMUNITION SUBHEAD NO. A1AE										
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AE100	CTG. 20MM, PLASTIC DUMMY	AA20					82,900	5.47	454						
AE830	PRODUCTION ENGINEERING								101						
AE895	NON-STANDARD ITEMS								100						
			0						655			0			0

**UNCLASSIFIED**





CLASSIFICATION:

**UNCLASSIFIED**

PROCUREMENT PROGRAM - RESERVE COMPONENTS P-1R				Weapon System									DATE: February 2000		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS				ID Code 026501	P-1 ITEM NOMENCLATURE/SUBHEAD 76MM GUN AMMUNITION SUBHEAD NO. A1AF										
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AF000	76MM GUN AMMUNITION						32		29	39		28	39		28
			0						29			28			28

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 2000					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS				ID Code 026500	P-1 ITEM NOMENCLATURE/SUBHEAD 76MM GUN AMMUNITION SUBHEAD NO. A1AF													
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
AF100	76MM CTG, VT-NF 76MM CTG, BL & P  PE/QA (SMCA)	C058 C062					3,888	721.19	2,804				2,796	1,338.76	3,744	2,103	1,360.39	2,861
													3,682	579.59	2,134	8,266	577.34	4,772
															5			8
AF830	PRODUCTION ENGINEERING								565						609			617
AF850	PRODUCT IMPROVEMENT								209						219			300
AF893	RENOVATION COMPONENTS								77						165			70
AF894	GAUGE REQUIREMENTS								55						80			75
AF895	NON-STANDARD ITEMS								15						29			30
			0												6,985			8,733

**UNCLASSIFIED**

# UNCLASSIFIED

CLASSIFICATION:

<b>BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)</b>	Weapon System	A. DATE <b>February 2000</b>
---	---------------	---------------------------------

<b>B. APPROPRIATION/BUDGET ACTIVITY</b> <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b>	<b>C. P-1 ITEM NOMENCLATURE</b> <b>76MM GUN AMMUNITION</b> <b>BLIN: 026500</b>	<b>SUBHEAD</b> <b>A1AF</b>
--	--	-------------------------------

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
AF100										
76MM VT-NF C058										
FY 2000	2796	1338.76	AMCCOM DRSMC	Dec-99	MIPR	UNKNOWN	Mar-00	Mar-02	YES	
FY 2001	2103	1360.39	AMCCOM DRSMC	Dec-00	MIPR	UNKNOWN	Mar-01	Mar-03	NO	Jul-00
76MM BL&P C062										
FY 1998	2412	624.60	AMCCOM DRSMC	Dec-97	MIPR	CRANE AAA	Apr-99	May-01	YES	
FY 1999	3888	721.19	AMCCOM DRSMC	Dec-98	MIPR	CRANE AAA	Jul-99	Aug-01	YES	
FY 2000	3682	579.59	AMCCOM DRSMC	Dec-99	MIPR	UNKNOWN	May-00	Oct-01	YES	
FY 2001	8266	577.34	AMCCOM DRSMC	Dec-00	MIPR	UNKNOWN	May-01	Sep-02	NO	Jul-00

**D. REMARKS**

NOTE: All items shown are priced with available GFM.





CLASSIFICATION:

**UNCLASSIFIED**

<b>BUDGET ITEM JUSTIFICATION SHEET</b>								DATE: <b>February 2000</b>					
<b>P-40</b>													
APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b>								P-1 ITEM NOMENCLATURE <b>OTHER SHIP GUN AMMUNITION</b>					
Program Element for Code B Items: <b>SUBHEAD NO. A1AG</b>								Other Related Program Elements <b>BLIN: 027000</b>					
	Prior Years	ID Code	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY													
COST (In Millions)					<b>\$4.5</b>	<b>\$5.8</b>	<b>\$5.2</b>	<b>\$7.3</b>	<b>\$7.5</b>	<b>\$7.7</b>	<b>\$7.9</b>		
<p><u>ITEM DESCRIPTION/JUSTIFICATION:</u></p> <p>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.</p> <p><u>PROCUREMENT:</u> The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.</p> <p><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.</p> <p><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.</p>													

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

<b>BUDGET ITEM JUSTIFICATION SHEET</b>									DATE: <b>February 2000</b>				
<b>P-40</b>													
APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b>									P-1 ITEM NOMENCLATURE <b>OTHER SHIP GUN AMMUNITION</b>				
Program Element for Code B Items: <b>SUBHEAD NO. A1AG</b>									Other Related Program Elements <b>BLIN: 027000</b>				
	Prior Years	ID Code	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY													
COST (In Millions)					<b>\$4.5</b>	<b>\$5.8</b>	<b>\$5.2</b>	<b>\$7.3</b>	<b>\$7.5</b>	<b>\$7.7</b>	<b>\$7.9</b>		

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 specific 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.

CLASSIFICATION:

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

PROCUREMENT PROGRAM - RESERVE COMPONENTS P-1R				Weapon System									DATE: February 2000					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS				ID Code 027001	P-1 ITEM NOMENCLATURE/SUBHEAD OTHER SHIP GUN AMMUNITION SUBHEAD NO. A1AG													
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001					
			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							1,326		46		1,229		51		2,394		51
			0							46				51				51

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 2000			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS				ID Code 027000	P-1 ITEM NOMENCLATURE/SUBHEAD OTHER SHIP GUN AMMUNITION SUBHEAD NO. A1AG											
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
AG100	25MM CARTRIDGES CTG. 25MM, TP-T, M793 CTG. 25MM, SAPHEI-T	A976 A991					102,500	23.68	2,427		66,000	12.75	841	46,090	11.35	523
	30MM CARTRIDGES CTG. 30MM, APDS CTG. 30MM, HEI CTG. 30MM, TP	A351 B104 B116												3,100	30.47	94
														12,300	24.40	300
														6,200	7.73	48
	40MM CARTRIDGES (GRENADE) CTG. 40MM, FIXED, PRAC CTG. 40MM, BLANK, SAL (350 & 200)	B576 B650					8,532	33.70	287		102,464	11.20	1,148	55,360	11.70	648
											5,994	40.33	242	7,200	93.11	670
	60MM CARTRIDGES CTG. 60MM, HE CTG. 60MM, SMOKE, WP	B643 B646					4,096	113.23	464		21,680	102.89	2,231			
							2,432	277.59	675							
	AG200	20MM CARTRIDGES CTG. 20MM, PLASTIC DUMMY	AA20								106,500	5.13	546	330,000	5.77	1,904
		PE/QA (SMCA)								92			66			205
AG830	PRODUCTION ENGINEERING								398			573			607	
AG850	PRODUCT IMPROVEMENT								66			68			70	
AG892	NON-STANDARD ITEMS								20			20			21	
AG893	RENOVATION COMPONENTS								54			55			57	
AG894	GAUGE REQUIREMENTS								28			29			29	
			0						4,511			5,819			5,176	

**UNCLASSIFIED**

CLASSIFICATION:

# UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE February 2000		
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					C. P-1 ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION BLIN: 027000				SUBHEAD A1AG	
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
AG100										
25MM CARTRIDGES CTG. 25MM, TP-T, M798 A976										
FY 2000	66000	12.75	AMCCOM DRSMC	Oct-99	MIPR	UNKNOWN	Apr-00	Jun-01	YES	
FY 2001	46090	11.35	AMCCOM DRSMC	Oct-00	MIPR	UNKNOWN	Apr-01	Jun-02	NO	Jul-00
30MM CARTRIDGES CTG. 30MM, APDS A351										
FY 2001	3100	30.47	NSWC DAHLGREN	Oct-00	MIPR	UNKNOWN	Apr-01	Oct-02	NO	Jul-00
CTG. 30MM, HEI B104										
FY 2001	12300	24.40	NSWC DAHLGREN	Oct-00	MIPR	UNKNOWN	Apr-01	Oct-02	NO	Jul-00
CTG. 30MM, TP B116										
FY 2001	6200	7.73	NSWC DAHLGREN	Oct-00	MIPR	UNKNOWN	Apr-01	Oct-02	NO	Jul-00
40MM CARTRIDGES (GRENADE) CTG. 40MM, FIXED, PRACTICE B576										
FY 2000	102464	11.20	AMCCOM DRSMC	Oct-99	MIPR	UNKNOWN	Apr-00	Oct-01	YES	
FY 2001	55360	11.70	AMCCOM DRSMC	Oct-00	MIPR	UNKNOWN	Jan-01	Oct-02	NO	Jul-00

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					OTHER SHIP GUN AMMUNITION				A1AG		
					BLIN: 027000						
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	
AG 100 CONTINUED											
CTG. 40MM, BLANK, SAL (350 & 200 GRAMS) B650											
FY 1999	8532	33.70	AMCCOM DRSMC	Oct-98	MIPR	MILAN AAP	Feb-99	Jun-00	YES		
FY 2000	5994	40.33	AMCCOM DRSMC	Oct-99	MIPR	UNKNOWN	Apr-00	Aug-01	YES		
FY 2001	7200	93.11	AMCCOM DRSMC	Oct-00	MIPR	UNKNOWN	Jan-01	Nov-01	NO	Jul-00	
60MM CARTRIDGES											
CTG. 60MM, HE B643											
FY 1995	25264	82.63	AMCCOM DRSMC	Dec-94	MIPR	MILAN AAP	Mar-95	Nov-99	YES		
FY 1998	10320	99.94	AMCCOM DRSMC	Oct-97	MIPR	MILAN AAP	Jul-98	Nov-99	YES		
FY 1999	4096	113.23	AMCCOM DRSMC	Oct-98	MIPR	MILAN AAP	Sep-99	Dec-00	YES		
FY 2000	21680	102.89	AMCCOM DRSMC	Oct-99	MIPR	UNKNOWN	Apr-00	Oct-01	YES		
AG200											
20MM CARTRIDGES											
CTG. 20MM DUMMY, M51A4N AA20											
FY 1998	58300	5.14	ARDEC	Oct-97	MIPR	UNKNOWN	Apr-00	Aug-00	YES		
FY 1999	82900	5.47	ARDEC	Oct-98	MIPR	UNKNOWN	Apr-00	Feb-01	YES		
FY 2000	106500	5.13	ARDEC	Oct-99	MIPR	UNKNOWN	Apr-00	Jun-01	YES		
FY 2001	330000	5.77	ARDEC	Oct-00	MIPR	UNKNOWN	Feb-01	Apr-02	NO	Jul-00	
D. REMARKS											
NOTE: All items shown are priced with available GFM.											



CLASSIFICATION:

**UNCLASSIFIED**

**BUDGET ITEM JUSTIFICATION SHEET  
P-40**

DATE:

**February 2000**

APPROPRIATION/BUDGET ACTIVITY

**PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS**

P-1 ITEM NOMENCLATURE

**SMALL ARMS AND LANDING PARTY AMMUNITION**

Program Element for Code B Items:

**SUBHEAD NO. A1AH**

**BLIN: 033500**

Other Related Program Elements

	Prior Years	ID Code	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY													
COST (In Millions)					\$7.7	\$8.0	\$8.7	\$8.9	\$9.1	\$9.2	\$9.4		

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.

P-1 SHOPPING LIST

CLASSIFICATION:

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

PROCUREMENT PROGRAM - RESERVE COMPONENTS P-1R				Weapon System									DATE: February 2000									
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS				ID Code 033501	P-1 ITEM NOMENCLATURE/SUBHEAD SMALL ARMS AND LANDING PARTY AMMUNITION SUBHEAD NO. A1AH																	
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS																			
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001									
			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						205,939			69			138,606			68			164,256			67
			0							69						68						67

**UNCLASSIFIED**

# UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 2000			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS				ID Code 033500	P-1 ITEM NOMENCLATURE/SUBHEAD SMALL ARMS AND LANDING PARTY AMMUNITION SUBHEAD NO. A1AH											
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
AH100	SHOTGUN CARTRIDGES CTG. 12 GA, NO. 00	A011					286,720	0.55	158					818,880	0.56	459
	5.56MM CARTRIDGES CTG. 5.56MM, TRACER, M856	A063									252,560	0.38	96			
	7.62MM CARTRIDGES CTG. 7.62MM, BALL, LINKED M80	A143					1,500,000	0.51	768	1,048,000	0.67	702				
	CTG. 7.62MM, DIM TRACE M80/M276	A257					2,047,500	0.54	1,105	478,500	0.55	263				
	CTG. 7.62MM, MATCH	AA11					600,000	0.83	498	419,520	0.59	248	431,800	0.61	263	
	9MM CARTRIDGES CTG. 9MM, BALL	A363					10,000,000	0.11	1,129	2,000,000	0.12	240				
<b>SUBTOTAL (PAGE 1 OF P5)</b>			<b>0</b>							<b>3,658</b>			<b>1,549</b>			<b>722</b>

DD FORM 2446, JUN 86

P-1 SHOPPING LIST

ITEM NO. 17

PAGE NO. 4

CLASSIFICATION:

# UNCLASSIFIED

CLASSIFICATION:

**UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 2000			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS				ID Code 033500	P-1 ITEM NOMENCLATURE/SUBHEAD SMALL ARMS AND LANDING PARTY AMMUNITION SUBHEAD NO. A1AH											
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001			
			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 CTG. .45 CAL, BALL, M1911, MAT	A470 A483				131,200	0.25	33			460,000	0.25	115	241,500	0.43	104
	.50 CAL CARTRIDGES CTG. .50 CAL, LINKED, BALL CTG. .50 CAL, LINKED & TRACER CTG. .50 CAL, MK 211, APIT, M2	A555 A557 AA06				497,861	6.00	2,987			572,000 712,467	1.68 6.00	961 4,275	1,358,000 640,594	2.02 6.12	2,743 3,921
	PE/QA (SMCA)							206					264			381
AH830	PRODUCTION ENGINEERING							280					290			302
AH850	PRODUCT IMPROVEMENT							115					120			124
AH895	NON-STANDARD ITEMS							227					236			251
AH350	MATCH AMMO							182					189			197
<b>SUBTOTAL (PAGE 2 OF P5)</b>			<b>0</b>					<b>4,030</b>					<b>6,450</b>			<b>8,023</b>
<b>TOTAL</b>			<b>0</b>					<b>7,688</b>					<b>7,999</b>			<b>8,745</b>

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE			A. DATE		
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					SMALL ARMS & LANDING PARTY AMMO			SUBHEAD		
					BLIN: 033500			A1AH		
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										
SHOTGUN CARTRIDGES										
CTG. 12 GA. NO. 00 A011										
FY 1999	286720	0.55	AMCCOM DRSMC	Oct-98	MIPR	UNKNOWN	Apr-00	May-00	YES	
FY 2001	818880	0.56	AMCCOM DRSMC	Oct-00	MIPR	UNKNOWN	Feb-01	Aug-01	YES	
5.56MM CARTRIDGES										
CTG. 5.56MM, TRACER, M856 A063										
FY 2000	252560	0.38	AMCCOM DRSMC	Oct-99	MIPR	UNKNOWN	Apr-00	Nov-00	YES	
7.62MM CARTRIDGES										
CTG. 7.62MM, BALL, LINKED M80 A143										
FY 1999	1500000	0.51	AMCCOM DRSMC	Oct-98	MIPR	LCAAP	Jul-99	Mar-00	YES	
FY 2000	1048000	0.67	AMCCOM DRSMC	Oct-99	MIPR	UNKNOWN	Apr-00	Nov-00	YES	

D. REMARKS

NOTE: All items shown are priced with available GFM.

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD		
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					SMALL ARMS & LANDING PARTY AMMO				A1AH		
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											
7.62MM CARTRIDGES CONTINUED											
CTG. 7.62MM, DIM TRACE M80/M276 A257											
FY 1998	3499500	0.55	AMCCOM DRSMC	Oct-97	MIPR	LCAAP	Mar-98	Mar-99	YES		
FY 1999	2047500	0.54	AMCCOM DRSMC	Oct-98	MIPR	ALLIANT TECH SYSTEMS	Jul-99	Mar-00	YES		
FY 2000	478500	0.55	AMCCOM DRSMC	Oct-99	MIPR	UNKNOWN	Apr-00	Nov-00	YES		
CTG. 7.62MM, MATCH AA11											
FY 1999	600000	0.83	AMCCOM DRSMC	Oct-98	MIPR	LCAAP	Mar-99	Apr-00	YES		
FY 2000	419520	0.59	AMCCOM DRSMC	Oct-99	MIPR	UNKNOWN	Apr-00	Nov-00	YES		
FY 2001	431800	0.61	AMCCOM DRSMC	Oct-00	MIPR	UNKNOWN	Dec-00	Nov-01	NO	Jul-00	
9MM CARTRIDGES											
CTG. 9MM, BALL A363											
FY 1999	10000000	0.11	AMCCOM DRSMC	Oct-98	MIPR	OLIN CORPORATION	May-99	Oct-99	YES		
FY 2000	2000000	0.12	AMCCOM DRSMC	Oct-99	MIPR	UNKNOWN	Apr-00	Aug-00	YES		

D. REMARKS

NOTE: All items shown are priced with available GFM.

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE		
								February 2000		
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD	
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					SMALL ARMS & LANDING PARTY AMMO				A1AH	
					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										
.45 CAL CARTRIDGES										
CTG. .45 CAL, BALL, WADCUTTER, MG A470										
FY 1999	131200	0.25	NSWC CRANE	Oct-98	COMM	UNKNOWN	Apr-00	Dec-99	YES	
FY 2001	241500	0.43	NSWC CRANE	Oct-00	COMM	UNKNOWN	Feb-01	Aug-01	NO	Jul-00
CTG. .45 CAL, BALL, M1911, MAT A483										
FY 2000	460000	0.25	AMCCOM DRSMC	Oct-99	MIPR	UNKNOWN	Apr-00	Aug-00	YES	
.50 CAL CARTRIDGES										
CTG. .50 CAL, LINKED & TRACER A557										
FY 2000	572000	1.68	AMCCOM DRSMC	Oct-99	MIPR	UNKNOWN	Apr-00	Nov-00	YES	
FY 2001	1358000	2.02	AMCCOM DRSMC	Oct-00	MIPR	UNKNOWN	Dec-00	Nov-01	NO	Jul-00
CTG. .50 CAL, MK 211, APIT, M2 AA06										
FY 1998	364600	6.00	AMCCOM DRSMC	Oct-97	MIPR	OLIN CORPORATION	Dec-97	Nov-98	YES	
FY 1999	497861	6.00	AMCCOM DRSMC	Oct-98	MIPR	UNKNOWN	Oct-99	Mar-00	YES	
FY 2000	712467	6.00	AMCCOM DRSMC	Oct-99	MIPR	UNKNOWN	Apr-00	Nov-00	YES	
FY 2001	640594	6.12	AMCCOM DRSMC	Oct-00	MIPR	UNKNOWN	Dec-00	Nov-01	NO	Jul-00

D. REMARKS

NOTE: All items shown are priced with available GFM.



CLASSIFICATION:

**UNCLASSIFIED**

<b>BUDGET ITEM JUSTIFICATION SHEET</b>								DATE: <b>February 2000</b>					
<b>P-40</b>													
APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b>								P-1 ITEM NOMENCLATURE <b>PYROTECHNICS AND DEMOLITION MATERIAL</b>					
Program Element for Code B Items: <b>SUBHEAD NO. A1AJ</b>								Other Related Program Elements <b>BLIN: 034000</b>					
	Prior Years	ID Code	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY													
COST (In Millions)					<b>\$8.9</b>	<b>\$8.1</b>	<b>\$6.4</b>	<b>\$8.4</b>	<b>\$8.6</b>	<b>\$8.9</b>	<b>\$9.1</b>		
<p><u>CONTINUED:</u></p> <p><u>PRODUCT IMPROVEMENT:</u> The requested funds provide engineering services and related efforts by the producing contractor of manufacturing installation. To extend the useful military life of an item or to improve the item within the current performance envelope. Typically, such improvements take advantage of newly developed materials, progress in the state-of-the-art, improved design and other technical advances to provide improved safety, reduced environmental impact, improved reliability/maintainability/availability, decreased cost, and/or correction of deficiencies exclusive of contractual specifications.</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 position.</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**

# UNCLASSIFIED

PROCUREMENT PROGRAM - RESERVE COMPONENTS P-1R				Weapon System									DATE: February 2000						
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS				ID Code 034000		P-1 ITEM NOMENCLATURE/SUBHEAD PYROTECHNICS AND DEMOLITION SUBHEAD NO. A1AJ													
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS																
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001						
			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						4,883			86		13,333			84	5,915			84
			0							86					84				84

UNCLASSIFIED

CLASSIFICATION:

**UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 2000			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS				ID Code 034000	P-1 ITEM NOMENCLATURE/SUBHEAD PYROTECHNICS AND DEMOLITION SUBHEAD NO. A1AJ											
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001			
			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				9,480	98.72	936								
	SIGNAL, ILLUM, MARINE, YELLOW	L192				6,744	99.11	669								
	SIGNAL, ILLUM, MARINE, RED STA	L193				6,744	74.33	501								
	MARKER, LOCATION, SUB, MK 66/21	L266				1,500	600.00	900								
	SIGNAL, SMOKE ILLUM, MARINE, DIST	L283				30,024	39.44	1,184					13,176	48.74	642	
	MINE CHARGES & CHARGE CUTTERS															
	CHG, MINE NEUTRALIZATION	CWBA				29	5235.49	150								
	LIGHTWEIGHT DISP. DISRUPTOR	LIDD											6,500	86.60	563	
	MAIN CHARGE DISRUPTOR	MCD											13,020	21.10	275	24,990
	CHG, DML, BLK, COMP C-4	M023											2,500	398.73	997	
	CHG, ASSY, DML M183/37	M757														
	CHG, DEML, SHAPED, FLEX-LIN (300)	ML16				1,500	39.39	59								
	CHG, BOOSTER, 20 GM, MK 140	MM30				20,160	2.14	43								
	CHG, XPL CUT, TAPE, 1000 GM/MT	MM54											5,000	74.57	373	
	DET CORDS, CAPS & FUZES															
	CAP, BLASTING, NON-ELEC, M7	M131											80,000	6.25	500	
	CORD, DETONATING, PRIMACORD	M456				448,000	0.15	67					800,000	0.15	120	
	FUZE, BLASTING, TIME	M670				248,000	0.14	35								
	SQUIB, ELECTRIC, MK 20 MOD 0	MG61				8,135	34.42	280								
	BLASTING CAP, ELEC, MK 11	ML83				1,989	45.24	90					50,000	47.05	2,353	
	FIRING DEVICE, MK 48-2	MN29				44	1085.29	48								
	FIRING DEVICE, MK 59	MN44											1,136	674.94	767	1,358
	FIRING DEVICE TRAINER MK49	MN45											450	1352.08	608	
	ACOUSTIC FIRING SYSTEM	NZZZ				94	3942.44	371								
<b>SUBTOTAL (PAGE 1 OF P5)</b>			<b>0</b>						<b>5,333</b>				<b>5,855</b>			<b>3,077</b>

DD FORM 2446, JUN 86

P-1 SHOPPING LIST  
ITEM NO. 18

PAGE NO. 4

CLASSIFICATION:

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 2000			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS				ID Code 034000	P-1 ITEM NOMENCLATURE/SUBHEAD PYROTECHNICS AND DEMOLITION SUBHEAD NO. A1AJ											
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001			
			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					11,381	30.84	351				10,000	31.87	319	
	SHOCK TEST CHARGE															
	SHOCK TEST CHARGE, 320 LB	9W50					30	6033.43	181							
	SHOCK TEST CHARGE, 60 LB	XW65					500	1459.94	723				300	2256.73	677	
	PE/QA (SMCA)								73			36			27	
AJ830	PRODUCTION ENGINEERING								970			996			1,011	
AJ850	PRODUCT IMPROVEMENT								913			918			932	
AJ893	RENOVATION COMPONENTS								100			102			105	
AJ894	GAUGE REQUIREMENTS								41			42			43	
AJ895	NON-STANDARD ITEMS								180			184			187	
	<b>SUBTOTAL (PAGE 2 OF P5)</b>		<b>0</b>						<b>3532</b>			<b>2278</b>			<b>3301</b>	
<b>TOTAL</b>			<b>0</b>						<b>8,865</b>			<b>8,133</b>			<b>6,378</b>	

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE February 2000		
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					C. P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION BLIN: 034000				SUBHEAD A1AJ	
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
AJ100										
SIGNALS										
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	30024	39.44	AMCCOM DRSMC	Oct-98	MIPR	UNKNOWN	Mar-00	Sep-00	YES	
FY 2001	13176	48.74	AMCCOM DRSMC	Oct-00	MIPR	UNKNOWN	Apr-01	Aug-02	NO	Jul-00
MINE CHARGES AND CHARGE CUTTERS										
LIGHTWEIGHT DISPOSABLE DISRUPTOR LIDD										
FY 2001	6500	86.60	NSWC CRANE	Oct-00	CONTRACT	UNKNOWN	Feb-01	Oct-02	NO	Jul-00
CHG, DML, BLK, COMP C-4 M023										
FY2000	13020	21.10	AMCCOM DRSMC	Oct-99	MIPR	UNKNOWN	Apr-00	Oct-01	YES	
FY2001	24990	14.22	AMCCOM DRSMC	Oct-00	MIPR	UNKNOWN	Feb-01	Aug-02	NO	Jul-00
CHG, ASSY, DML M183/37 M757										
FY2000	2500	398.73	AMCCOM DRSMC	Oct-99	MIPR	UNKNOWN	Apr-00	Oct-01	YES	
MAIN CHARGE DISRUPTOR MCD										
FY 2000	6500	35.83	NSWC CRANE	Oct-99	CONTRACT	UNKNOWN	Apr-00	Oct-01	YES	
CHG, XPL CUT, TAPE 1000 GM/MT MM54										
FY2001	5000	74.57	AMCCOM DRSMC	Oct-00	MIPR	UNKNOWN	Apr-01	Jul-02	NO	Jul-00
DET CORDS, CAPS, AND FUZES										
CAP, BLASTING, NON-ELEC, M7 M131										
FY 2000	80000	6.25	AMCCOM DRSMC	Oct-99	MIPR	UNKNOWN	Apr-00	Mar-01	YES	

D. REMARKS

NOTE: All items shown are priced with available GFM.

CLASSIFICATION:

# UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD		
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					PYROTECHNICS AND DEMOLITION				A1AJ		
BLIN: 034000											
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	
AJ100 CONTINUED											
DET CORDS, CAPS, AND FUZES CONTINUED CORD, DETONATING, PRIMACORD, PETN M456 FY 2000	800000	0.15	AMCCOM DRSMC	Oct-99	MIPR	UNKNOWN	Apr-00	Jun-01	YES		
BLASTING CAP, ELEC, MK 11 ML83 FY 1995	26022	34.92	NSWC IH	Oct-94	CONTRACT	STRESAU LABORATORY	Sep-97	Dec-99	YES		
FY 1996	5640	41.93	NSWC IH	Oct-95	CONTRACT	STRESAU LABORATORY	Sep-97	Dec-99	YES		
FY 1997	3338	41.93	NSWC IH	Oct-96	CONTRACT	STRESAU LABORATORY	Sep-97	Dec-99	YES		
FY 1999	1989	45.24	NSWC IH	Oct-98	CONTRACT	STRESAU LABORATORY	Jan-99	Dec-99	YES		
FY 2000	50000	47.05	NSWC CRANE	Oct-99	CONTRACT	UNKNOWN	Apr-00	Apr-01	YES		
FIRING DEVICE, MK 59 MN44 FY 2000	1136	674.94	NSWC CRANE	Oct-99	CONTRACT	UNKNOWN	Apr-00	May-01	YES		
FY 2001	1358	842.00	NSWC CRANE	Oct-00	CONTRACT	UNKNOWN	Jan-01	May-02	NO	Jul-00	
FIRING DEVICE TRAINER, MK49 MN45 FY 2000	450	1352.08	NSWC CRANE	Oct-99	CONTRACT	UNKNOWN	Apr-00	May-01	YES		

D. REMARKS

NOTE: All items shown are priced with available GFM.

CLASSIFICATION:

# UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD		
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS					PYROTECHNICS AND DEMOLITION				A1AJ		
BLIN: 034000											
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	
AJ100 CONTINUED											
CUTTERS AND CARTRIDGES											
CTG, 50 CAL, MK 209 SS01											
FY 1995	2786	19.86	NSWC IH	Dec-94	CONTRACT	PROPELLEX	Sep-97	Dec-99	YES		
FY 1996	4481	19.86	NSWC IH	Feb-96	CONTRACT	PROPELLEX	Sep-97	Dec-99	YES		
FY 1997	8066	19.86	NSWC IH	Oct-96	CONTRACT	PROPELLEX	Sep-97	Dec-99	YES		
FY 1999	11381	30.84	NSWC CRANE	Oct-98	CONTRACT	UNKNOWN	Jul-99	Sep-00	YES		
FY 2001	10000	31.87	NSWC CRANE	Oct-00	CONTRACT	UNKNOWN	Feb-01	Apr-02	NO	Jul-00	
SHOCK TEST CHARGES											
SHOCK TEST CHARGE, 60 LB XW65											
FY 1999	500	1459.94	AMCCOM DRSMC	Oct-98	MIPR	CRANE AAA	Feb-99	Oct-00	YES		
FY 2001	300	2256.73	AMCCOM DRSMC	Oct-00	MIPR	UNKNOWN	Jan-01	Jun-02	NO	Jul-00	
D. REMARKS											
NOTE: All items shown are priced with available GFM.											

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: <b>February 2000</b>					
APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS BA-1: NAVY AMMUNITION</b>								P-1 ITEM NOMENCLATURE <b>MINE NEUTRALIZATION DEVICES/035000/71U4</b>					
Program Element for Code B Items:								Other Related Program Elements <b>N/A</b>					
	Prior Years	ID Code			FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
EQUIPMENT COST	N/A	A			<b>\$7.8</b>	<b>\$9.2</b>	<b>\$7.3</b>	<b>\$7.0</b>	<b>\$7.1</b>	<b>\$7.3</b>	<b>\$7.5</b>	<b>CONT.</b>	<b>CONT.</b>
SPARES COST (In Millions)	N/A	A			<b>\$0.8</b>	<b>\$0.5</b>	<b>\$0.8</b>	<b>\$0.5</b>	<b>\$0.5</b>	<b>\$0.5</b>	<b>\$0.5</b>	<b>CONT.</b>	<b>CONT.</b>
PROGRAM DESCRIPTION/JUSTIFICATION:  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 modified MK-26 (MP-1) cable cutter and MK-57 Destructor (MP-2) together with floats to neutralize moored mines in place.													

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 2000		
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 1999			FY 2000			FY 2001					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	MINE WARFARE, N852														
U4002	EXPLOSIVE LOADING							685			947				785
U4005	MK 57 BOMBLET	A				143	17.63	2,521	126	17.91	2,257	105	18.74	1,968	
U4007	MP-3 DEVICE	A				210*	13.14	2,759	122	28.50	3,477	95	29.02	2,757	
U4830	PRODUCTION ENGINEERING							744			1,065			727	
U4840	QUALITY ASSURANCE							104			110			110	
U4860	ACCEPTANCE TEST & EVALUATION							769			1,107			770	
U4900	CONSULTING SERVICES							200			200			200	
	* Kits will be procured to convert existing MP-1/MP-2 Items into MP-3 Items.														
<b>TOTAL</b>								<b>7,782</b>			<b>9,163</b>			<b>7,317</b>	

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

<b>BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)</b>	Weapon System	A. DATE <b>February 2000</b>
---	---------------	---------------------------------

<b>B. APPROPRIATION/BUDGET ACTIVITY</b> <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b> <b>BA-1: NAVY AMMUNITION</b>	<b>C. P-1 ITEM NOMENCLATURE</b> <b>MINE NEUTRALIZATION DEVICES/035000</b>	<b>SUBHEAD</b> <b>71U4</b>
--	--	-------------------------------

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
<b>FISCAL YEAR 1999</b>										
U4005/MK 57 BOMBLET	143	17.6	NAVSEA	12/97	OPTION	RAYTHEON Portsmouth, RI	3/99	06/00	YES	
U4007/MP-3 DEVICE	210	13.1	NAVSEA	12/97	OPTION	RAYTHEON Portsmouth, RI	3/99	06/00	YES	
<b>FISCAL YEAR 2000</b>										
U4005/MK 57 BOMBLET	126	17.9	NAVSEA	10/99	C/FP	UNKNOWN	03/00	08/01	YES	
U4007/MP-3 DEVICE	122	28.5	NAVSEA	10/99	C/FP	UNKNOWN	03/00	08/01	YES	
<b>FISCAL YEAR 2001</b>										
U4005/MK 57 BOMBLET	105	18.7	NAVSEA	N/A	C/FP	UNKNOWN	12/00	06/02	YES	
U4007/MP-3 DEVICE	95	29.0	NAVSEA	N/A	C/FP	UNKNOWN	12/00	06/02	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.

**CLASSIFICATION:**

<b>BUDGET ITEM JUSTIFICATION SHEET</b>							DATE: <b>February 2000</b>					
<b>P-40</b>												
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE					
<b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b>							<b>Ammunition less than \$5 million (Y1A5)</b>					
Program Element for Code B Items:							Other Related Program Elements					
	Prior Years*	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)		A			<b>\$2.2</b>	<b>\$1.3</b>	<b>\$1.3</b>	<b>\$1.3</b>	<b>\$1.4</b>	<b>\$1.4</b>	<b>continuing</b>	<b>continuing</b>
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 locating sonobouys during anti-submarine operations. The hand launched units are used in a variety of situations which require a "marked spot" on the water surface, including man-overboard drills. 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 sea surface reference point marking that calls for both smoke and flame 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 in are required to: complete design and testing for electric match to replace the Squib , and design and incorporate 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>*Reflects FY1995 only. These programs were funded in FY1994 and prior from the Weapons Procurement, Navy (WPN) and Other Procurement, Navy (OPN) accounts.</p> <p>FY 1998/1999 and prior funded under the Procurement of Ammunition, Navy and Marine Corp (PANMC) line item Marine Location Markers.</p>												
NAVY RESERVE (FY00-05 is below 26K)						<u>FY00</u> <b>\$0.0</b>	<u>FY01</u> <b>\$0.0</b>	<u>FY02</u> <b>\$0.0</b>	<u>FY03</u> <b>\$0.0</b>	<u>FY04</u> <b>\$0.0</b>	<u>FY05</u> <b>\$0.0</b>	

P-1 SHOPPING LIST

CLASSIFICATION:

**UNCLASSIFIED**



CLASSIFICATION:

**UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: <b>February 2000</b>					
APPROPRIATION/BUDGET ACTIVITY <b>PROCUREMENT OF AMMUNITION, NAVY &amp; MARINE CORPS</b>								P-1 ITEM NOMENCLATURE <b>CAWCF CLOSURE COSTS</b>					
Program Element for Code B Items: <b>SUBHEAD NO. A1AM</b>								Other Related Program Elements <b>BLIN: 041500</b>					
	Prior Years	ID Code	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY													
COST (In Millions)						<b>\$0.0</b>	<b>\$0.0</b>	<b>\$1.3</b>	<b>\$5.5</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	
<u>ITEM DESCRIPTION/JUSTIFICATION:</u>													
Funding will pay contract termination costs and operational losses to ensure the solvency of the Conventional Ammunition Working Capital Fund (CAWCF) as the fund closes out.													

**UNCLASSIFIED**

