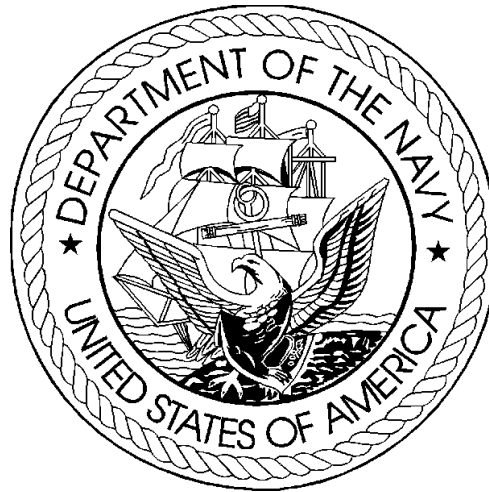


DEPARTMENT OF THE NAVY
FY 1998/1999 BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES

PROCUREMENT OF AMMUNITION,
NAVY AND MARINE CORPS
BUDGET ACTIVITY 1

FEBRUARY 1997

ERRATA SHEET

1. The P-1 exhibit for FY1996 does not agree with the budget justification material as follows:

The total for Budget Activity 1 should be \$215.069 million vice \$210.829 million. The +\$4.240 million adjustment is in GP Bombs: the correct amount is \$42.513 million vice \$38.273 million as reflected on the P-1.

The total for Budget Activity 2 should be \$177.176 million vice \$181.416 million. The -\$4.240 million adjustment is in 5.56 MM All Types: the correct amount is \$48.487 million vice \$52.727 million as reflected on the P-1.

These adjustments are zero sum and reflect adjustments that were made after controls were issued relating to reprogramming actions. The budget justification material is correct.

THIS PAGE LEFT INTENTIONALLY BLANK

UNCLASSIFIED

EXHIBIT P-1

DEPARTMENT OF THE NAVY
FY 1998/FY 1999 PROCUREMENT PROGRAMS

APPROPRIATION: 1508N Procurement of Ammunition, Navy/Marine Corps

DATE: 02/04/97

LINE NO	ITEM NOMENCLATURE	IDENT CODE	DOLLARS									
			FY 1998 UNIT COST	FY 1996 QUANTITY	FY 1996 COST	FY 1997 QUANTITY	FY 1997 COST	FY 1998 QUANTITY	FY 1998 COST	FY 1999 QUANTITY	FY 1999 COST	
BUDGET ACTIVITY 01: Navy Ammunition												
Navy Ammunition												
1	0370 Cancelled Account Adjustments				0.1		-		-		- U	
Navy Ammunition												
2	0145 General Purpose Bombs	A			38.3		26.6		12.8		34.7 U	
3	0148 JDAM		57,665		-		-	668	38.5	898	44.8 U	
4	0150 2.75 Inch Rockets	A			14.5		9.2		15.8		16.4 U	
5	0155 Machine Gun Ammunition	A			11.2		5.2		7.8		7.9 U	
6	0160 Practice Bombs	A			18.2		13.7		41.8		40.2 U	
7	0180 Cartridges & Cart Actuated De	A			17.5		21.5		24.4		26.3 U	
8	0181 Aircraft Escape Rockets	A			10.3		8.0		8.5		10.5 U	
9	0182 Air Expendable Countermeasure	A			22.3		21.5		22.7		29.4 U	
10	0184 Marine Location Markers	A			0.9		0.6		0.7		2.0 U	
11	0194 JATOS	A			4.8		4.1		4.5		4.0 U	
12	0250 5 Inch/54 Gun Ammunition	A			35.2		15.7		27.7		54.8 U	
13	0260 CIWS Ammunition	A			0.1		-		0.5		0.7 U	
14	0265 76mm Gun Ammunition	A			6.3		2.7		3.4		3.8 U	
15	0270 Other Ship Gun Ammunition	A			4.9		4.0		4.5		5.3 U	
16	0335 Small Arms & Landing Party Am	A			5.7		3.1		7.8		7.9 U	
17	0340 Pyrotechnic and Demolition	A			11.0		9.9		10.2		10.8 U	
18	0350 Mine Neutralization Devices	A			0.8		5.7		6.3		8.2 U	
19	0360 Ship Expendable Countermeasur	A			8.7		-		-		- U	
TOTAL Navy Ammunition						210.8		151.5		238.0		307.8

THIS PAGE LEFT INTENTIONALLY BLANK

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

		Budget Plan (amounts for PROCUREMENT actions programed)			
Identification code	17-1508-0-1-051	1996 actual	1997 est.	1998 est.	1999 est.

Program by activities:					
Direct program:					
00.0101	Proc Ammo, Navy	210,829	151,489	237,978	307,770
00.0201	Proc Ammo, MC	181,416	132,140	98,819	194,855
00.9101	Total direct program	392,245	283,629	336,797	502,625
01.0101	Reimbursable program	2,092	10,000	10,000	10,000
10.0001	Total	394,337	293,629	346,797	512,625

Financing:					
Offsetting collections from:					
11.0001	Federal funds(-)	-2,092	-10,000	-10,000	-10,000
17.0001	Recovery of prior year obligations				
Unobligated balance available, start of year:					
21.4002	For completion of prior year budget plans				
21.4003	Available to finance new budget plans	-6,900	-14,708		
21.4009	Reprogramming from/to prior year budget plans	-4,100	2,100		
22.2001	Unobligated balance transferred from other accounts (-)		-2,100		
Unobligated balance available, end of year:					
24.4002	For completion of prior year budget plans				
24.4003	Available to finance subsequent year budget plans	14,708			
39.0001	Budget authority	395,953	268,921	336,797	502,625

Budget authority:					
40.0001	Appropriation	417,053	289,695	336,797	502,625
40.3601	Appropriation rescinded (unob bal)		-14,708		
40.7501	Reduction pursuant to P.L. 104-208 (-), 8138		-272		
41.0001	Transferred to other accounts (-)	-21,100	-5,794		
43.0001	Appropriation (adjusted)	395,953	268,921	336,797	502,625

Relation of obligations to outlays:					
71.0001	Obligations incurred				
72.4001	Obligated balance, start of year				
74.4001	Obligated balance, end of year				
78.0001	Adjustments in unexpired accounts				
90.0001	Outlays (net)				

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

		Obligations			
Identification code	17-1508-0-1-051	1996 actual	1997 est.	1998 est.	1999 est.

Program by activities:					
Direct program:					
00.0101	Proc Ammo, Navy	227,044	145,083	227,640	281,674
00.0201	Proc Ammo, MC	128,690	138,433	126,164	174,178
00.9101 Total direct program		-----	-----	-----	-----
		355,734	283,516	353,804	455,852
01.0101	Reimbursable program		12,092	10,000	10,000
10.0001 Total		-----	-----	-----	-----
		355,734	295,608	363,804	465,852

Financing:					
Offsetting collections from:					
11.0001	Federal funds(-)	-2,092	-10,000	-10,000	-10,000
17.0001	Recovery of prior year obligations	-68			
Unobligated balance available, start of year:					
21.4002	For completion of prior year budget plans	-98,375	-132,948	-133,069	-116,062
21.4003	Available to finance new budget plans	-6,900	-14,708		
21.4009	Reprogramming from/to prior year budget plans				
22.2001	Unobligated balance transferred from other accounts (-)		-2,100		
Unobligated balance available, end of year:					
24.4002	For completion of prior year budget plans	132,948	133,069	116,062	162,835
24.4003	Available to finance subsequent year budget plans	14,708			
39.0001 Budget authority		-----	-----	-----	-----
		395,953	268,921	336,797	502,625

Budget authority:					
40.0001	Appropriation	417,053	289,695	336,797	502,625
40.3601	Appropriation rescinded (unob bal)		-14,708		
40.7501	Reduction pursuant to P.L. 104-208 (-), 8138		-272		
41.0001	Transferred to other accounts (-)	-21,100	-5,794		
43.0001 Appropriation (adjusted)		-----	-----	-----	-----
		395,953	268,921	336,797	502,625

Relation of obligations to outlays:					
71.0001	Obligations incurred	353,642	285,608	353,804	455,852
72.4001	Obligated balance, start of year	111,518	275,316	265,647	296,366
74.4001	Obligated balance, end of year	-275,316	-265,647	-296,366	-347,059
78.0001	Adjustments in unexpired accounts	-68			
90.0001 Outlays (net)		-----	-----	-----	-----
		189,776	295,277	323,085	405,159

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

Identification code	17-1508-0-1-051	1996 actual	1997 est.	1998 est.	1999 est.
Direct obligations:					
	Purchases goods/services (inter/intra) Fed accounts				
125.303	Purchases from revolving funds	295,734	226,062	325,418	447,749
131.001	Equipment	60,000	57,454	28,386	8,103
199.001	Total Direct obligations	355,734	283,516	353,804	455,852
Reimbursable obligations:					
	Purchases goods/services (inter/intra) Fed accounts				
225.303	Purchases from revolving funds		10,000	10,000	10,000
231.001	Equipment		2,092		
299.001	Total Reimbursable obligations		12,092	10,000	10,000
999.901	Total obligations	355,734	295,608	363,804	465,852

THIS PAGE LEFT INTENTIONALLY BLANK

Comparison of FY 1997 Program Requirements as Reflected
in the FY 1997 Budget with FY 1997 Program Requirements as
Shown in FY 1998/FY 1999 Budget Request (In Thousands of Dollars)

	FY 1997 Total Program Requirements <u>Per FY 1997 Budget</u>	FY 1997 Program Requirements <u>Per FY 1998 Budget</u>	Increase (+) or Decrease (-)
BA 1: Navy Ammunition	0	151,489	+151,489
BA 2: Marine Corps Ammunition	0	132,140	+132,140
Subtotal Direct Program	0	283,629	+283,629
Reimbursable	0	10,000	+10,000
Total Fiscal Year	0	293,629	+293,629

BA 1: The FY 1997 President's Budget reflected \$149.355 million for Navy ammunition procurement in the Weapon's Procurement, Navy (WPN) appropriation (BA5). The Congress transferred this amount to the Procurement of Ammunition, Navy & Marine Corps (PANMC) appropriation. In addition, the Congress added \$2.9 million to Practice Bombs and \$2.5 million to 5 Inch/54 Ammunition and decreased the account for Sect 8120 DBOF Surcharge (-\$3.1M) and Section 8138 Budgetary Resources Cancellation (-\$.1M).

BA 2: The FY 1997 President's Budget reflected \$68.884 million for Marine Corps ammunition procurement in the Procurement, Marine Corps (PMC) appropriation (BA1). The Congress transferred this amount to the Procurement of Ammunition, Navy & Marine Corps (PANMC) appropriation. In addition, the Congress added \$30 million to Linear Charges, \$20 million to Demolition Munitions, \$7 million to 120MM ammunition, \$4.6 million to 5.56MM ammunition and \$4.5 million to 7.62MM ammunition and decreased the account for Sect 8120 DBOF Surcharge (-\$2.7M) and Section 8138 Budgetary Resources Cancellation (-\$.1M).

Reimbursable Orders: The FY 1997 President's Budget contained \$10 million for Reimbursable Authority: \$5M in WPN and \$5M in PMC reimbursable authority request. The increase in PANMC reimbursable authority corresponds to the ammunition reimbursable authority formerly in the WPN & PMC appropriations.

Comparison of FY 1997 Financing as Reflected in the FY 1997 Budget
with FY 1997 Financing as Shown in FY 1998/FY 1999 Budget Request
(In Thousands of Dollars)

	FY 1997 Financing Per <u>FY 1997 Budget</u>	FY 1997 Financing Per <u>FY 1998 Budget</u>	Increase (+) Decrease (-)
Program Requirements (Total)	0	293,629	+293,629
Program Requirements (Direct)	0	(283,629)	(+283,629)
Program Requirements (Reimb)	0	(10,000)	(+10,000)
Less:			
Anticipated Reimbursements	0	10,000	(+ \$10,000)

Explanation of Changes in Financing

The FY 1997 Ammunition Financing (\$228.239 million for direct and \$10 million for reimbursable) was subsumed within the WPN and PMC appropriations' Programming and Financing exhibits. The \$65.4 million change in program requirements is the result of Congressional increases (+\$71.5 million), and Sect. 8120 (-\$5.8 million) and 8138 (-\$.3 million) adjustments.

Comparison of FY 1996 Program Requirements as Reflected
in the FY 1997 Budget with FY 1996 Program
Requirements as Shown in FY 1998/FY 1999 Budget Request
(In Thousands of Dollars)

	FY 1996 Total Program Requirements <u>Per FY 1997 Budget</u>	FY 1996 Total Program Requirements <u>Per FY 1998 Budget</u>	Increase (+) or Decrease (-)
Navy Ammunition	217,183	215,069	-2,114
Marine Corps Ammunition	188,890	177,176	-11,714
Subtotal Direct Program	406,073	392,245	-13,828
Reimbursable	10,000	10,000	-
Total Fiscal Year	416,073	402,245	-13,828

BA 1: Changes reflect Congressional rescission in Air Expendable Countermeasures (-\$2M) and adjustments for approved Bosnia reduction (-\$.1M).

BA 2: Changes reflect Congressional rescissions in 81MM (-\$10M) and Items Less Than \$2M (-\$.7M) and other minor below threshold reprogrammings (-\$1M).

Comparison of FY 1996 Financing as Reflected in the FY 1997 Budget
with FY 1996 Financing as Shown in FY 1998/FY1999 Budget Request
(In Thousands of Dollars)

	FY 1996 Financing Per <u>FY 1997 Budget</u>	FY 1996 Financing Per <u>FY 1998 Budget</u>	Increase (+) Decrease (-)
Program Requirements (Total)	426,073	394,337	-31,736
Program Requirements (Direct)	(416,073)	(392,245)	(-23,828)
Program Requirements (Reimb)	(10,000)	(2,092)	(-7,908)
Less:			
Anticipated Reimbursements	10,000	2,092	-7,908

Explanation of Changes in Financing

Direct Program: The \$23.8 million change in program financing is the result of Congressional rescissions (-\$13 million for P.L.104-134 and -\$12.7 million for Section 8070 of FY 1997 Appropriation Act), reprogramming action for Non-Lethals in Item Less Than \$2M (+\$2.1 million) and transfers to other accounts for the approved Bosnia reprogramming (-\$.2M).

Reimbursable Orders: Orders did not materialize as expected.

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Procurement of Ammunition Navy and Marine Corps B.A. 1 - Navy Ammunition					P-1 ITEM NOMENCLATURE General Purpose Bombs (Y1Q2)			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	42.5	26.6	12.8	34.7	39.6	38.7	34.8	35.6
<p>GBU-24/BLU-109: Operation Desert Storm revealed an urgent USN/USMC requirement for a 2000lb moderate to hard target penetrator weapon. Based upon Operational Requirements submitted by the fleet CINCs, a product improvement program was initiated to provide the USAF GBU-24/BLU-109 to the Fleet. The USN version consists of a 2000lb class warhead filled with approximately 535lbs of PBXN-109, a GBU-24 guidance and control unit, a FMU-143E/B tail fuze (with a less IM sensitive PBXN-7 booster and lead) and FZU-32 arming unit. The FMU-143E/B fuze and BLU-109 warhead transitioned to the Single Manager for Conventional Ammunition in FY 95.</p> <p>FY 98/99 PIP is used to prove out new paint coating to meet environment protection requirements.</p> <p>In FY 98 and 99 the BSU-33 (FY 99), MK 83 Conical Fins, BLU-111 (FY 99 only), LGB Air Foils and M72 Cables are procured to replace Non-combat expenditures, maintain war reserve, and to support both live and inert 500 lb training.</p> <p>PES/ILS: The FY 98 and 99 production engineering support (PES) and Integrated logistics support (ILS) are continuing efforts in support of the procurement of GP bombs. 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 98 and 99 buy of end items.</p>								

CLASSIFICATION:

P-1 SHOPPING LIST

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS										DATE:
P-5										February 1997
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE/SUBHEAD					
Procurement of Ammunition, Nav Marine B.A. 1 - Ammunition					General Purpose Bombs (Y1Q2)					
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
Q2170	GBU-24/BLU-109		502	35,032	0	0	0	0	0	0
Q2010	BSU-33 Conical Fin (F782)		25,070	2,231	0	0	0	0	35,373	3,094
Q2030	MK-83 Conical Fins (F642)		0	0	19,798	6,455	14,033	4,690	19,358	6,631
Q2180	LGB AIR FOILS (MXU-667/B)/(MXU-651/B)		0	0	402	2,600	785	4,458	1,937	11,449
Q2090	BLU-111A/B 500# Bomb (F289)		0	0	0	0	0	0	2,759	8,723
Q2TBD	DSU-33 Proximity Fuze		0	0	7,056	12,694	0	0	0	0
Q2890	M72 Cables		0	0	8,000	360	8,000	369	8,000	378
Q2800	ILS			440		359		603		588
	ILS (GP Bombs)			(290)		(188)		(303)		(388)
	ILS (GBU-24)			(150)		(171)		(300)		(200)
Q2830	PES			2,179		2,338		2,079		3,213
	PES (GP Bombs)			(1601)		(1225)		(1000)		(2213)
	PES (GBU-24)			(578)		(1113)		(1079)		(1000)
Q2850	PIP			2,519		1,375		100		100
Q2892	Non Standard Items			0		100		100		100
Q2893	Renovation Components			0		100		200		200
Q2894	Gaging			112		200		250		250
Total				42,513		26,581		12,849		34,726

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE February 1997	
B. APPROPRIATION/BUDGET ACTIVITY Procurement of Ammunition, Navy and Marine Corps B.A. 1 - Navy Ammunition				C. P-1 ITEM NOMENCLATURE General Purpose Bombs				SUBHEAD (Y1Q2)		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<u>GBU-24 COMPONENTS</u>										
<u>Q2170 BLU-109 Bomb Bodies</u>										
FY 94*	LOCKHEED	C/FP	HILL, AFB	May-95	Jan-97	14	3,250.00	YES	NO	
FY 95	NATIONAL FORGE CORP. (IRVINE PA)	C/FP	ARMY	Mar-96	Jan-97	638	14,250.30	YES	NO	
FY 96**	NATIONAL FORGE CORP.	C/FP	ARMY	Feb-97	Aug-97	502	15,279.97	YES	NO	
<u>Q2170 BSU-84 AFG</u>										
FY 95	TEXAS INSTRUMENTS	SS/FP	HILL AFB	Sep-95	Sep-97	638	8,814.19	YES	NO	
FY 96	TEXAS INSTRUMENTS	SS/FPoption	HILL AFB	Jun-96	Aug-98	502	8,866.87	YES	NO	
<u>Q2170 ADG-770/B Hard Back</u>										
FY 95	TEXAS INSTRUMENTS	SS/FP	HILL AFB	Sep-95	Oct-96	638	1,098.38	YES	NO	
FY 96	TEXAS INSTRUMENTS	SS/FPoption	HILL AFB	Jun-96	Feb-97	502	1,104.94	YES	NO	
D. REMARKS										
*Unit cost does not include LAP dollars										
**Option on an exist										

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE February 1997	
B. APPROPRIATION/BUDGET ACTIVITY Procurement of Ammunition, Navy and Marine Corps B.A. 1 - Ammunition				C. P-1 ITEM NOMENCLATURE General Purpose Bombs				SUBHEAD (Y1Q2)		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQD	IF YES WHEN AVAILABLE
<u>GBU-24 COMPONENTS (Con't)</u>										
<u>Q2170 WGU-39/B G&C UNIT</u>										
FY 95	EXAS INSTRUMENTS	SS/FP	HILL AFB	Sep-95	Jul-97	638	41,839.39	YES	NO	
FY 96	EXAS INSTRUMENTS	SS/FPoption	HILL AFB	Jun-96	Aug-98	502	42,089.46	YES	NO	
<u>170 FMU-143 E/B FUZE(F849)</u>										
FY 95	DAYRON, INC	SS/FP	ARMY	Sep-95	Mar-97	638	2,188.30	YES	NO	
FY 96	DAYRON, INC	SS/FP	ARMY	Aug-96	Aug-97	502	2,325.12	YES	NO	
D. REMARKS										

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE					
B. APPROPRIATION/BUDGET ACTIVITY								C. P-1 ITEM NOMENCLATURE			SUBHEAD		
Procurement of Ammunition, Navy and Marine Corps								General Purpose Bombs			Y1Q2		
B.A. 1 - Navy Ammunition													
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQD	IF YES WHEN AVAILABLE			
<u>Q2010 BSU-33 (F782)</u>													
FY 95*	MTD	C/FP	ARMY	Aug-96	Nov-97	41,229	88.99	YES	NO				
FY 96*	MTD	C/FP	ARMY	Aug-96	Nov-97	25,070	88.99	YES	NO				
FY 99	UNKNOWN	C/FP	ARMY	Apr-99	Jun-00	35,373	87.47	YES	NO				
<u>Q2030 MK-83 Conical</u>													
FY 97	UNKNOWN	C/FP	ARMY	Apr-97	Jun-98	19,798	326.04	YES	NO				
FY 98	UNKNOWN	C/FP	ARMY	Apr-98	Jun-99	14,033	334.19	YES	NO				
FY 99	UNKNOWN	C/FP	ARMY	Apr-99	Jun-00	19,358	342.54	YES	NO				
<u>Q2180 LGB AFG (MXU-667/B/MXU-651B)</u>													
FY 97(MXU-667)	TEXAS INSTRUMENT	SS/FP	HILL AFB	Jul-97	Apr-98	402	6,467.00	YES	NO				
FY 98(MXU-667)	TEXAS INSTRUMENT	SS/FP	HILL, AFB	Jul-98	Apr-99	785	5,679.00	YES	NO				
FY 99(MXU-667)	TEXAS INSTRUMENT	SS/FP	HILL,AFB	Jul-99	Apr-00	1,509	5,822.00	YES	NO				
	MXU-667 TEXAS INSTRUMENT	SS/FP	HILL, AFB	Jul-99	Apr-00	428	6,222.00	YES	NO				
<u>2090 BLU-111A/B (F289)</u>													
FY 99	MCALESTER AAP (MCALESTER, OK)**	S/FP	ARMY	Apr-99	Jun-00	2,759	3,161.50	YES	NO				
D. REMARKS													
*FY 95/96 Combined procurement													
**IMCO, Garland, Texas bomb bodies manufacturer, LAP at McAlester, OK.													

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)										A. DATE
B. APPROPRIATION/BUDGET ACTIVITY										February 1997
C. P-1 ITEM NOMENCLATURE										SUBHEAD
Procurement of Ammunition, Navy and Marine Corps										
B.A. 1 - Ammunition										
General Purpose Bombs (Y1Q2)										
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
Q2190 <u>DSU-33</u> FY 97	UNKNOWN	C/FP	EGLIN, AFB	Jun-98	Dec-98	7,056	1,799.00	YES	NO	
Q2890 <u>M 72 Cables</u> FY 94	MID SOUTH	C/FP	AMCCOM	Aug-96	Sep-97	8,000	41.75	YES	NO	
FY 97	UNKNOWN	C/FP	AMCCOM	Jan-97	Feb-98	8,000	44.96	YES	NO	
FY 98	UNKNOWN	C/FP	AMCCOM	Jan-98	Feb-99	8,000	46.08	YES	NO	
FY 99	UNKNOWN	C/FP	AMCCOM	Jan-99	Feb-00	8,000	47.23	YES	NO	
D. REMARKS										

Y 1998/99 BUDGET PRODUCTION SCHEDULE P-1 ITEM NOMENCLATURE DATE

General Purpose Bombs (Y1Q2) **February 1997**

ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT	BAL. DUE AS OF 1 OCT	FISCAL YEAR 1997												FISCAL YEAR 1998												L A T E R
					1996			CALENDAR YEAR 1997									CALENDAR YEAR 1998												
					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	
GBU-24 Components																													
BLU-109 A/B (F142) (EACH) (GBU-24)	N																												
FY 94 Lockheed		14	0	14					14																				
FY 95 National Forge		638	0	638					36	56	112	56	168	140	70														
FY 96 Uknown		502	0	502						A																			
168 168 166																													
BSU-84/B (F765) (Each) (GBU-24)	N																												
FY 95 Texas Instruments		638	0	638																						43	93		
FY 96 Texas Instruments		502	0	502																							107	200	195
ADG-770/B (Each) (GBU-24)	N																												
FY 95 Texas Instruments		638	0	638	200	200	167	71																					
FY 96 Texas Instruments		502	0	502									129	200	173														
WGU-39/B (EY71) (Each)(GBU-24)	N																												
FY 95 Texas Instruments		638	0	638											77											43	93		
FY 96 Texas Instruments		502	0	502																							107	200	195
FMU-143E/B (F849) (Each)(GBU-24)	N																												
FY 95 Dayron, Inc		638	0	638							200	200	238																
FY 96 Dayron, Inc		502	0	502																									
200 200 102																													

TOTAL	0	5714	0	5714	200	200	167	121	185	512	429	406	140	147	368	458	268	412	425	0	0	0	0	0	0	0	0	86	186	214	400	390
--------------	---	------	---	------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---	---	---	---	---	---	---	---	----	-----	-----	-----	-----

					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
--	--	--	--	--	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES			RCH'D D +	PROCUREMENT LEAD TIME			REMARKS																									
	UM SUST.	1-8-5	MAXIMUM		ADMIN LEAD TIME		MANU- FACTURING TIME		TOTAL																								
					PRIOR 1 OCT	AFTER 1 Oct			AFTER 1 OCT																								
Texas Instruments	88	220	390																													Note: Contract deliveries are not evenly distributed each month due to deliveries to AF and Foreign Military Sales.	
Dayron, Inc	80	250	500																														
Lockheed	48	200	400											10							13												
				INITIAL	(GBU-24)																												
				REORDER	(Previous Source)																												

ITEM/MANUFACTURER/ PROCUREMENT YEAR	FISCAL YEAR 1999													FISCAL YEAR 2000													FISCAL YEAR 2001													L A T E R													
	1998			CALENDAR YEAR 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	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																	
BSU-84/B (F765)(Each)GBU-24 FY 96 Texas Instruments	195																																																				
WGU-39B (EY71) (Each)(GBU-24) FY 96 Texas Instruments	195																																																				
TOTAL	390	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	C	O	E														

REMARKS

1998/99 BUDGET PRODUCTION SCHEDULE					P-1 ITEM NOMENCLATURE													DATE											
					General Purpose Bombs (Y1Q2)													February 1997											
ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP T P R I O R T O 1 O C T	BAL. DUE AS O F 1 O C T	FISCAL YEAR 1997												FISCAL YEAR 1998						L A T E R						
					1996												CALENDAR YEAR 1997							CALENDAR YEAR 1998					
					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
BSU-33 (F782)(TH)	N																												
FY-95 Unknown		41.2	0	41.2											3	3	3	3	3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.8		
FY 96 Unknown		25.1	0	25.1											2	2	2	2	2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0		
FY 99 Unknown		35.4	0	35.4																							35.4		
Mk 83 Conical Fins (TH)	N																												
FY 97		19.8	0	19.8																					1.7	1.7	1.7	13.0	
FY 98		14.0	0	14.0															A								14.0		
FY 99		19.4	0	19.4																							19.4		
LGB AFG	N																												
FY 94 TI		151	0	151							14	14	14	14	14	14	14	14	#	11									
FY 95 TI		600	0	600							50	50	50	50	50	50	50	50	#	75									
FY 97 TI		402	0	402												A				33.5	33.5	33.5	33.5	33.5	33.5	201.0			
FY 98 TI		785	0	785																			A				785		
FY 99 TI(MXU-667/B)(MXU-651/B)		1937	0	1937																							1937		
BLU-111A/B	N																												
FY 99 IMCO		2.8	0	2.8																							2.8		
DSU-33(TH)	N																												
FY 97 UNKNOWN		7.1	0	7.1									A														7.1		
TOTAL		4040	0	4040	0	0	0	0	0	0	0	64	64	64	64	64	70	70	70	#	92	39	39	40.7	40.7	40.7	40.7	3020.5	
					C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES			RCH'D D +	PROCUREMENT LEAD TIME				REMARKS
	MINIMUM SUST.	1-8-5	MAXIMUM		ADMIN TIME	LEAD TIME	MANU-	TOTAL	
DSU-33 (MOTOROLA)	4000	4000	5500		PRIOR 1 Oct	AFTER 1 Oct		1 OCT	Adm. 6, Prod. 14, I. 20
BSU-33	7000	9000	18000						MK 83 6, DSU-33 8, BSU-86 6, BLU-111 6, LGB AFG 9
Mk 83 Conical Fins (Unknown)	2000	-	6000						
BSU-86 (Unknown)	UNK	UNK	UNK						
BLU-111 A/B (IMCO)	500	1200	2400						
TI LGB AFG	88	220	390						

FY 1998/99 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE										DATE																			
										General Purpose Bombs (Y1Q2)										February 1997																			
ITEM/MANUFACTURER/ PROCUREMENT YEAR	FISCAL YEAR 1999										FISCAL YEAR 2000										FISCAL YEAR 2001										L A T E R								
	1998			CALENDAR YEAR 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	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			
BSU-33 (F782) (TH)																																							
FY 95 Unknown	3.8																																						
FY 96 Unknown	2.0																																						
FY 99 Unknown											A																												
LGB AFG																																							
FY 97 Unknown	###	33.5	33.5	33.5	33.5	33.5																																	
FY 98 Unknown							65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4																					
FY 99 Unknown										A									161	161	161	161	161	161	161	161	161	161	161	161	161	161	166						
Mk 83 Conical Fin (TH)																																							
FY 97 Unknown	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.1																															
FY 98 Unknown									1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1																					
FY 99 Unknown							A																														###	1.8	
BLU-111 A/B																																							
FY 99 IMCO							A																																
FY 99 Unknown																																						###	0.6
DSU-33																																							
FY 97 Unknown			0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5																									
TOTAL	41	35	36	36	36	36	68	67	67	67	67	67	67	67	67	67	67	162	163	166	166	166	166	166	166	166	166	166	166	166	166	171	5	5	0	0	0	0	
	C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E			
REMARKS																																							

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET										DATE:	
P-40										Feb 1997	
APPROPRIATION/BUDGET ACTIVITY						P-1 ITEM NOMENCLATURE					
Procurement of Ammunition, Navy and Marine Corps BA-1 Navy Ammunition						Joint Direct Attack Munition (JDAM)					
	Prior Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Program
QUANTITY				668	898	785	641	809	2,712	18,983	25,496
COST (\$M)				\$38.520	\$44.803	\$36.772	\$30.800	\$31.372	\$68.064	\$472.332	\$722.663
Initial Spares (\$M)											\$0.0
Total (\$M)	\$0.0	\$0.0	\$0.0	\$38.520	\$44.803	\$36.772	\$30.800	\$31.372	\$68.064	\$472.332	\$722.663
Unit Cost (\$M)				0.058	0.050	0.047	0.048	0.039	0.025	0.025	0.028
<p>MISSION AND DESCRIPTION Operation Desert Storm confirmed the need for a more accurate weapon delivery capability in adverse weather conditions and from medium/high altitudes. Failure to satisfy this requirement will allow the enemy to continue to take advantage of the sanctuary of weather and/or prevent US air power from prosecuting a conflict on its terms. JDAM is an Air Force and Navy munitions program to correct these shortfalls, with the Air Force as the executive service. JDAM will upgrade the existing inventory of general purpose bombs (MK 84, BLU-109/B, 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 program has 20 year warranty.</p>											
Total Quantities			<u>FY97</u>	<u>FY98</u>	<u>FY99</u>	<u>FY00</u>	<u>FY01</u>	<u>FY02</u>	<u>FY03</u>		
USAF			937	2,673	2,620	6,325	10,122	10,617	10,592		
NAVY				668	898	785	641	809	2,712		
TOTAL			937	3,341	3,518	7,110	10,763	11,426	13,304		

P-1 SHOPPING LIST

CLASSIFICATION:

**PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS
 FY 1998/99 DEPARTMENT OF THE NAVY BUDGET
 MISSILE COST ANALYSIS
 EXHIBIT P-5
 (Dollars in Millions)**

Missile Nomenclature & Popular JDAM

Date: 1-Feb-97

Cost Elements	FY 1996			FY 1997			FY 1998			FY 1999		
	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
<u>Missile Hardware</u>												
AIR VEHICLE ⁽¹⁾							668	0.018	12.331	898	0.019	17.131
JPF							668	0.005	3.470	898	0.004	3.838
WARHEAD							668	0.019	12.566	735	0.019	14.241
ECO									0.360			0.514
Total Hardware							668	0.043	28.727	898	0.040	35.724
<u>Procurement Support</u>												
PRODUCTION TECH SUPPORT									3.083			2.872
CONTRACTOR INCENTIVE									0.360			0.171
PRODUCTION TEST									1.629			2.161
DATA									0.115			0.149
BLU-109 CABLES									1.034			0.000
Total Procurement Support									6.221			5.354
Total Flyaway Cost							668	0.052	34.948	898	0.046	41.078
<u>Fleet Support</u>												
LOAD/BUILDUP TRAINERS									0.134			0.000
TEST EQUIPMENT (CMBRE)									1.532			1.868
ILS									0.972			1.014
TRAINING									0.588			0.606
DATA (TECHNICAL)									0.345			0.237
Total Fleet Support									3.572			3.725
Weapon System Cost							668	0.058	38.520	898	0.050	44.803
Initial Spares									0			0
Total Program Cost							668	0.058	38.520	898	0.050	44.803

(1) Air Vehicle costs include containers.

**PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS
 FY 1998/99 DEPARTMENT OF THE NAVY BUDGET
 MISSILE COST ANALYSIS
 EXHIBIT P-5
 (Dollars in Millions)**

Missile Nomenclature & Popular JDAM

Date: 1-Feb-97

Cost Elements	FY 2000			FY 2001			FY 2002			FY 2003		
	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
<u>Missile Hardware</u>												
AIR VEHICLE	785	0.020	15.551	641	0.021	13.194	809	0.019	15.406	2,712	0.019	51.144
JPF	785	0.004	3.296	641	0.004	2.671	809	0.004	3.181	2,712	0.003	9.107
WARHEAD	512	0.020	10.218	402	0.021	8.264	329	0.021	6.966			
ECO			0.467			0.396			0.451			1.498
Total Hardware	785	0.038	29.532	641	0.038	24.524	809	0.032	26.004	2,712	0.023	61.749
<u>Procurement Support</u>												
PRODUCTION TECH SUPPORT			2.588			2.851			2.900			2.952
CONTRACTOR INCENTIVE			0.156			0.132						
PRODUCTION TEST			1.219			1.256			1.294			1.332
DATA			0.066			0.036			0.044			0.130
BLU-109 CABLES												
Total Procurement Support			4.028			4.275			4.239			4.414
Total Flyaway Cost	785	0.043	33.560	641	0.045	28.799	809	0.037	30.242	2,712	0.024	66.163
<u>Fleet Support</u>												
LOAD/BUILDUP TRAINERS												
TEST EQUIPMENT (CMBRE)			1.875			0.786			0.103			0.107
ILS			0.838			0.750			0.750			1.510
TRAINING			0.377			0.345			0.173			0.179
DATA (TECHNICAL)			0.122			0.119			0.103			0.107
Total Fleet Support			3.212			2.001			1.130			1.902
Weapon System Cost	785	0.047	36.772	641	0.048	30.800	809	0.039	31.372	2,712	0.025	68.064
Initial Spares												
Total Program Cost	785	0.047	36.772	641	0.048	30.800	809	0.039	31.372	2,712	0.025	68.064

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE Feb-97	
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1 ITEM NOMENCLATURE				SUBHEAD		
Procurement of Ammunition, Navy and Marine Corps BA-1 Navy Ammunition				JOINT DIRECT ATTACK MUNITION						
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW''''	SPEC REV REQ'D	IF YES WHEN AVAILABLE
FY98	McDonnell Douglas Aero St. Louis, MO	FFP Option	USAF ASC/YU	April 98	April 99	668	0.043	N/A	N/A	N/A
FY99	McDonnell Douglas Aero St. Louis, MO	TBD	USAF ASC/YU	April 99	April 00	898	0.040	N/A	N/A	N/A
D. REMARKS (1) . SPECIFICATIONS HAVE BEEN WAIVED DUE TO JDAM's STATUS AS AN ACQUISITION REFORM PILOT PROGRAM.										

JOINT DIRECT ATTACK MUNITION (JDAM)

ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT	BAL. DUE AS OF 1 OCT	FISCAL YEAR 1998												FISCAL YEAR 1999												L A T E R			
					CALENDAR YEAR 1998												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	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
JDAM FY97 (LOT 1)		937																														
McDonnell Douglas Aerospace	AF N	937 0	0 0	937 0									38	44	48	52	58	64	74	86	98	110	126	139								
JDAM FY98 (LOT 2)		3,341																														
McDonnell Douglas Aerospace	AF N	2,673 668	0 0	2,673 668																						168 40	178 44	193 48	200 52	226 54	240 58	1,468 372
TOTAL					0	0	0	0	0	0	0	0	38	44	48	52	58	64	74	86	98	110	126	139	208	222	241	252	280	298	1,840	

					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	
--	--	--	--	--	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	--

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES			RCH'D D +	PROCUREMENT LEAD TIME				REMARKS
	MINIMUM SUST.	2-8-5	MAXIMUM		ADMIN	LEAD TIME	MANU- FACTURING	TOTAL	
McDonnell Douglas Aerospace St. Louis, MO	283/mo		1083/mo		PRIOR 1 OCT	AFTER 1 OCT	TIME	AFTER 1 OCT	There is no Admin Lead Time because JDAM,s first two lots of production are Options on the RDT&E contract.
				INITIAL	0 MO	0 MO	12 MO	12 MO	

1998/99 BUDGET PRODUCTION SCHEDULE				P-1 ITEM Nomenclature																	DATE																
				JOINT DIRECT ATTACK MUNITION (JDAM)																	Feb 97																
ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP T O 1 OCT	BAL. DUE AS OF 1 OCT	FISCAL YEAR 2000									FISCAL YEAR 2001									L A T E R														
					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								
JDAM FY98 (LOT 2) (CONTINUED)				3341																																	
McDonnell Douglas Aerospace	AF	2673	1,205	1,468	244	244	246	244	246	244																										0	
	N	668	296	372	62	62	62	62	62	62																									0		
JDAM FY99 (LOT 3)				3,518																																	
McDonnell Douglas Aerospace	AF	2,620	0	2,620							226	216	214	214	214	218	218	218	218	220	220	224														0	
	N	898	0	898							72	75	76	76	76	76	76	75	74	74	74	74													0		
JDAM FY00 (LOT4)				7,110																																	
McDonnell Douglas Aerospace	AF	6325	0	6,325																			246	300	352	400	454	500	4,073								
	N	785	0	785																			70	66	62	66	62	66	393								
TOTAL								306	306	308	306	308	306	298	291	290	290	290	294	294	293	292	294	294	298	316	366	414	466	516	566	4466					
								O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S						
								C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E						
								T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P						
								PROCUREMENT LEAD TIME																	REMARKS												
								ADMIN LEAD TIME						MANU-FACTURING		TOTAL																					
								PRIOR			AFTER			TIME		AFTER																					
								1 OCT			1 OCT					1 OCT																					
								INITIAL						12 MO		12 MO																					
MANUFACTURER'S NAME AND LOCATION								REORDER (Previous Source)																													
McDonnell Douglas Aerospace																																					
St. Louis, MO																																					

1998/99 BUDGET PRODUCTION SCHEDULE				P-1 ITEM NOMENCLATURE													DATE											
				JOINT DIRECT ATTACK MUNITION (JDAM)													Feb 97											
ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP T P R I O R T O 1 O C T	BAL. DUE AS OF 1 O C T	FISCAL YEAR 2002												FISCAL YEAR 2003						L A T E R					
					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
JDAM FY00 (LOT4) (CONTINUED)		7,110																										
McDonnell Douglas Aerospace	AF N	6325 785	2,252 392	4,073 393	554 64	604 66	656 64	704 66	752 66	803 67																	0 0	
JDAM FY01 (LOT5)		10,763																										
McDonnell Douglas Aerospace	AF N	10,122 641	0 0	10,122 641							816 54	820 52	830 54	840 52	842 54	842 52	842 54	840 54	842 54	856 53	864 54	888 54						0 0
JDAM FY02 (LOT6)		11,426																										
McDonnell Douglas Aerospace	AF N	10,617 809	0 0	10,617 809																							5,345 516	
TOTAL					618	670	720	770	818	870	870	872	884	892	896	894	896	896	909	918	942	931	926	926	926	928	928	5,861
					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
MANUFACTURER'S NAME AND LOCATION		PRODUCTION RATES		RCH'D	PROCUREMENT LEAD TIME												REMARKS											
		UM SUST.	2-8-5	MAXIMUM	D +	ADMIN LEAD TIME			MANU- FACTURING			TOTAL																
McDouglas Douglas Aerospace St. Louis, MO					INITIAL			PRIOR 1 OCT			AFTER 1 OCT			12 MO			12 MO											
REORDER (Previous Source)																												

1998/99 BUDGET PRODUCTION SCHEDULE				P-1 ITEM NOMENCLATURE																	DATE							
				JOINT DIRECT ATTACK MUNITION (JDAM)																	Feb 97							
ITEM / MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC. QTY	ACCEP. PRIOR TO 1 OCT	BAL. DUE AS OF 1 OCT	FISCAL YEAR 2004									FISCAL YEAR 2005									LATE					
					2003			CALENDAR YEAR 2004						2004			CALENDAR YEAR 2005											
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR		APR	MAY	JUN	JUL	AUG
DRAFT																												
JDAM FY02 (LOT6) (CONTINUED)		11,426																										
McDonnell Douglas Aerospace	AFN	10,617 809	5,272 293	5,345 516	890 46	892 46	890 70	890 94	890 118	893 142														0 0				
JDAM FY03 (LOT7)		13,304																										
McDonnell Douglas Aerospace	AFN	10,592 2,712	5,315 1,293	5,277 1,419							897 159	888 198	880 228	882 236	884 236	884 236	884 236	882 236	882 236	882 236	880 236	876 236	873 239		0 0			
TOTAL					936	938	960	984	1,008	1,035	1,056	1,086	1,108	1,118	1,120	1,120	1,120	1,118	1,118	1,116	1,112	1,112	0	0	0	0	0	0
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES			RCHD D +	ADMIN LEAD TIME				MANUFACTURING TIME		TOTAL AFTER 1 OCT		REMARKS															
	UM SUST.	2-8-5	MAXIMUM		PRIOR 1 OCT	AFTER 1 OCT	TIME		AFTER 1 OCT																			
	McDonnell Douglas Aerospace				TBD			12 MO		12 MO																		
St. Louis, MO							12 MO		12 MO																			
							12 MO		12 MO																			
							12 MO		12 MO																			
							12 MO		12 MO																			

THIS PAGE LEFT INTENTIONALLY BLANK

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 1997	
APPROPRIATION/BUDGET ACTIVITY Procurement of Ammunition Navy & Marine Corps BA 1 - Ammunition					P-1 ITEM NOMENCLATURE 2.75" Rockets (Y1Q3)			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	14.5	9.2	15.8	16.4	16.8	17.3	17.6	18.0
<p>The current 2.75 Inch system is used on both rotary and fixed wing aircraft. The system consists of launchers (LAU-68 seven-tube and LAU-61 19-tube), rocket motor (MK 66 Mod 2) and a family of warheads (high explosive, smoke, visible illumination, IR illumination and practice). These items are procured by the Army as Single Manager for Conventional Ammunition (SMCA) using Conventional Ammunition Working Capital Fund (CAWCF) standard prices.</p> <p>Product Improvements address deficiencies in the safety, reliability and producibility of the 2.75 inch rocket system. Specific projects include: Revision of the technical documentation for fielding the Mod 4 rocket motor; and continuation of insensitive munitions rocket motor compliance efforts.</p> <p>Funds requested in the FY 1998 and FY 1999 budget provides for increased quantities of MK 66 rocket motors and WTU-1/B warheads over previous years. Also, continued procurements of M278 warhead in FY 1998 and FY 1999 are requested. Procurement of LAU-68 launchers is requested in FY 1998 only and initial procurement of the MK 67 warhead is planned in FY 1999.</p>								

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS								DATE:		
P-5								February 1997		
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD						
Procurement of Ammunition Navy & Marine Corps				2.75" Rockets (Y1Q3)						
BA 1 - Ammunition				TOTAL COST IN THOUSANDS OF DOLLARS						
COST CODE	ELEMENT OF COST	IDENT CODE	FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
Q3010	LAU-68 D/A Launcher (H122)	A	-	-	-	-	410	1,360	-	-
Q3030	WTU-1/B Warhead (H663)	A	11,988	300	-	-	-	-	7,550	211
Q3040	MK 66 Rocket Motor (HA03)	A	21,036	8,626	-	-	-	-	-	-
Q3040	MK 66 Rocket Motor (HA07)	A	1,364	1,059	13,353	5,476	17,880	8,507	20,872	10,152
Q3070	M278 Warhead (HA06)	A	2,000	1,529	2,150	1,644	4,306	3,543	3,535	2,974
TBD	MK 67 Warhead	A	-	-	-	-	-	-	5,000	481
Q3800	Integrated Logistics Support			150		133		140		150
Q3830	Production Engineering Support			1,341		1,000		1,203		1,342
Q3850	Product Improvement Program			1,310		802		900		915
Q3892	Non-Standard Items			40		40		40		40
Q3893	Renovation Components			60		60		60		60
Q3894	Gaging			80		80		80		80
TOTALS				14,495		9,235		15,833		16,405

DD FORM 2446, JUN 86

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 3

PAGE NO. 2

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE	
									February 1997	
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1 ITEM NOMENCLATURE				SUBHEAD		
Procurement of Ammunition Navy & Marine Corps BA 1 - Ammunition				2.75" Rockets				Y1Q3		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
Q3010 LAU-68 D/A LAUNCHER (H122) FY 98	UNKNOWN	C/FP	ARMY IOC	May-98	Jul-99	410	3314.98	YES	NO	
Q3030 WTU-1/B (H663) FY 96	GENERAL DYNAMICS (Burlington, VT)	C/FP	ARMY IOC	Dec-96	Dec-97	11,988	25.05	YES	NO	
FY 99	UNKNOWN	C/FP	ARMY IOC	May-99	Jul-00	7,550	27.94	YES	NO	
Q3040 MK 66 MOTORS (HA07) FY 96 (HA03)	GENERAL DYNAMICS (Burlington, VT)	C/FP	ARMY IOC	Dec-96	Dec-97	21,036	410.08	YES	NO	
FY 96 (HA07)	GENERAL DYNAMICS	C/FP	ARMY IOC	Dec-96	Dec-97	1,364	776.08	YES	NO	
FY 97 (HA07)	UNKNOWN	C/FP	ARMY IOC	May-97	Jul-98	13,353	410.08	YES	NO	
FY 98 (HA07)	UNKNOWN	C/FP	ARMY IOC	May-98	Jul-99	17,880	475.76	YES	NO	
FY 99 (HA07)	UNKNOWN	C/FP	ARMY IOC	May-99	Jul-00	20,872	486.40	YES	NO	
Q3070 M278 WARHEAD (HA06) FY 96	THIOKOL (Odgen, UT)	C/FP	ARMY IOC	Dec-96	Dec-97	2,000	764.54	YES	NO	
FY 97	UNKNOWN	C/FP	ARMY IOC	May-97	Aug-98	2,150	764.54	YES	NO	
FY 98	UNKNOWN	C/FP	ARMY IOC	May-98	Jul-99	4,306	822.86	YES	NO	
FY 99	UNKNOWN	C/FP	ARMY IOC	May-99	Jul-00	3,535	841.27	YES	NO	
Q3TBD MK 67 WARHEAD FY 99	UNKNOWN	C/FP	ARMY IOC	May-99	Jul-00	5,000	96.20	YES	NO	
D. REMARKS										

FY 1998/99 BUDGET PRODUCTION SCHEDULE													P-1 ITEM NOMENCLATURE												DATE														
													2.75" Rockets												February 1997														
FISCAL YEAR 1999													FISCAL YEAR 2000												FISCAL YEAR 2001												L A T E R		
ITEM/MANUFACTURER/ PROCUREMENT YEAR	1998			CALENDAR YEAR 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	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			
Q3010-LAU-68 D/A LAUNCHER (H122)																																							
FY 98-UNK																																							
										34	34	34	34	34	34	34	34	34	34	35	35																		
Q3030-WTU-1/B WARHEAD (H663)																																							
FY 96-GENERAL DYN/ 1 1																																							
FY 99-UNK																																							
								A																															
Q3040-MK 66 RKT MOTOR (HA03)																																							
FY 96-GENERAL DYNAMICS																																							
FY 96-GENERAL DYNAMICS																																							
FY 97-UNK (HA07)																																							
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.3																														
FY 98-UNK (HA07)																																							
										1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5																	
FY 99-UNK (HA07)																																							
								A																															
Q3070-M278 WARHEAD (HA06)																																							
FY 96-THIOKOL																																							
FY 97-UNK																																							
	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3																															
FY 98-UNK																																							
										0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4																		
FY 99-UNK																																							
								A																															
TBD-MK 67 WARHEAD																																							
FY 99-UNK																																							
								A																															
TOTAL																																							
	2	2	1	1	1	1	1	1	1	36	36	36	36	36	36	36	36	36	36	37	37	3	3	3	3	3	3	3	3	3	3	3	3	3	4	0	0	0	0
REMARKS																																							

THIS PAGE LEFT INTENTIONALLY BLANK

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Procurement of Ammunition Navy & Marine Corps BA 1 - Ammunition					P-1 ITEM NOMENCLATURE Machine Gun Ammunition (Y1Q4)			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	11.2	5.2	7.8	7.9	8.4	9.7	10.1	10.5
<p>This line funds procurement of 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 as 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 through FY 99 for the Product Improvement Program (PIP) are required to: (1) restructure incorporation of a radiation safe primer to modify the M61/M197 gun systems to accept percussion or electrically primed ammunition; (2) correct anomalies in PGU 20MM ammunition; and (3) complete the PIP on PGU-33 including verification of technical data package (TDP).</p>								

CLASSIFICATION

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS								DATE:		
P-5								February 1997		
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD						
Procurement of Ammunition Navy & Marine Corps BA 1 - Ammunition				Machine Gun Ammunition (Y1Q4)						
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
Q4010	20MM LINKLESS PGU-27/B (A678)	A	1,074,000	6,229	-	-	-	-	1,083,000	4,982
Q4030	20MM LINK, TP, PGU-27/B (A772)	A	25,100	170	300,000	1,965	-	-	-	-
Q4050	20MM PGU-28/B (A677)	A	132,500	2,193	54,089	754	-	-	-	-
Q4150	25MM SAPHEI PGU-32 (A990)	A	-	-	-	-	345,900	5,431	58,850	945
Q4800	Integrated Logistics Support			60		60		70		71
Q4830	Production Engineering Support			1,576		1,663		1,446		1,075
Q4850	Product Improvement Program			1,000		788		876		843
TOTALS				11,228		5,230		7,823		7,916

DD FORM 2446, JUN 86

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 4

PAGE NO. 2

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE February 1997	
B. APPROPRIATION/BUDGET ACTIVITY Procurement of Ammunition Navy & Marine Corps BA 1 - Ammunition				C. P-1 ITEM NOMENCLATURE Machine Gun Ammunition				SUBHEAD Y1Q4		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
Q4010 20MM LINKLESS PGU-27/B (A678)										
FY96	LAKE CITY AAP/ (Independence, MO)	C/FP	ARMY IOC	Apr-96	Apr-97	1,074,000	5.80	YES	NO	
FY99	OLIN, Marion IL UNKNOWN	C/FP	ARMY IOC	Apr-99	Apr-00	1,083,000	4.60	YES	NO	
Q4030 20MM LINK,TP, PGU-27/B (A772)										
FY96	LAKE CITY AAP (Independence, MO)	C/FP	ARMY IOC	Apr-96	Apr-97	25,100	6.76	YES	NO	
FY97	UNKNOWN	C/FP	ARMY IOC	Apr-97	Apr-98	300,000	6.55	YES	NO	
Q4050 20MM PGU-28/B (A677)										
FY96	LAKE CITY AAP/ (Independence, MO)	C/FP	ARMY IOC	Apr-96	Apr-97	132,500	16.55	YES	NO	
FY97	OLIN, Marion IL UNKNOWN	C/FP	ARMY IOC	Apr-97	Apr-98	54,089	13.94	YES	NO	
Q4150 25MM SAPHEI PGU-32 (A990)										
FY95	ALLIANT TECH (Hopkins, MN)	C/FP	CHINA LAKE	Dec-95	Aug-97	125,000	14.70	YES	NO	
FY98	UNKNOWN	C/FP	CHINA LAKE	Apr-98	Apr-99	345,900	15.70	YES	NO	
FY99	UNKNOWN	C/FP	CHINA LAKE	Apr-99	Apr-00	58,850	16.05	YES	NO	
D. REMARKS										

FY 1998/99 BUDGET PRODUCTION SCHEDULE			P-1 ITEM NOMENCLATURE																		DATE														
			Machine Gun Ammunition																		February 1997														
ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 1996	BAL DUE AS OF 1 OCT 1996	FISCAL YEAR 1997												FISCAL YEAR 1998						L A T E												
					1996			CALENDAR YEAR 1997									CALENDAR YEAR 1998																		
					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						
Q4010-20MM LINKLESS PGU-27/B	N																																		
FY 95-LAKE CITY AAP		1612.3	1025	587.4	87	135.5	132.7				232.2																								
FY 96-LAKE CITY AAP/OLIN		1074.0	-	1074.0																															
FY 99-UNK		1083.0	-	1083.0																														1083.0	
Q4030-20MM LINK, TP, PGU-27/B	N																																		
FY 96-LAKE CITY AAP		25.1	-	25.1																															
FY 97-UNK		300.0	-	300.0																														150.0	
Q4050-20MM PGU-28/B (A677)	N																																		
FY 92-LAKE CITY AAP		2354.5	2330.3	24.2																															
FY 96-LAKE CITY AAP/OLIN		132.5	-	132.5																															
FY 97-UNK		54.1	-	54.1																														27.1	
Q4150-25MM PGU-32 (A990)	N																																		
FY 91-OLIN		51.2	25	26.2																															
FY 95-ALLIANT TECH		125.0	-	125.0																															
FY 98-UNK		345.9	-	345.9																														345.9	
FY 99-UNK		58.9	-	58.9																														58.9	
TOTAL	0	7216.5	3380	3836.3	87	135.5	132.7	0	24.2	232.2	129	103	103	103	113	113	113	113	113	113	114	40	40	40	45	30	30	1664.9							
					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							

DD Form 2445, JUL 87

Previous editions are obsolete

P-1 SHOPPING LIST

311 / 244

ITEM NO 4 PAGE 4

Exhibit P-21 Production Schedule

THIS PAGE LEFT INTENTIONALLY BLANK

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET					DATE:			
P-40					February 1997			
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE			
Procurement of Ammunition Navy and Marine Corps								
B.A. 1 - Navy Ammunition					Practice Bombs (Y1Q1)			
	FY 1996*	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	18.2	13.7	41.8	40.2	33.4	35.0	34.5	35.5
<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 cartridges 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 using Conventional Ammunition Working Capital Fund standard prices.</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 ordination 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 FY 98/99 budget requests provides significant increased funding for the BDU-45/B over previous fiscal year as well as funding for MK 76 . Also, procurement of MK 83 Inert units and LGTRs are planned in FY 98 and FY 99, respectively.</p> <p>The FY 98/99 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 and LGTR. 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>								

P-1 SHOPPING LIST

CLASSIFICATION:

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS									DATE:		
P-5									February 1997		
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD							
Procurement of Ammunition, Navy and Marine Corps B.A. 1 - Navy Ammunition				Practice Bombs (Y1Q1)							
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS								
			FY 1996		FY 1997		FY 1998		FY 1999		
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	
Q1010	MK 76(E973)		0	0	0	0	200,092	4,342	273,264	6,061	
Q1040	BDU 45/B (F017)		8,146	6,961	11,158	7,881	25,762	25,418	21,028	21,211	
Q1300	Laser Guided Training Round	A	1,393	7,805	512	2,867	0	0	1,572	7,788	
Q1TBD	MK 83 Inert (E511)		0	0	0	0	5,432	8,409	0	0	
Q1800	ILS			350		350		400		400	
Q1830	PES			2,510		2,059		2,597		4,107	
Q1850	PIP			300		300		350		350	
Q1894	Gaging			250		250		250		250	
TOTAL				18,176		13,707		41,766		40,167	

DD FORM 2446, JUN 86

P-1 SHOPPING LIST

CLASSIFICATION:

EXHIBIT P-5

ITEM NO. 5

PAGE NO. 2

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

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

A. DATE
February 1997

B. APPROPRIATION/BUDGET ACTIVITY

Procurement of Ammunition, Navy and Marine Corps B.A. 1 - Navy Ammunition

C. P-1 ITEM NOMENCLATURE

SUBHEAD

Practice Bombs

(Y1Q1)

Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<u>Q1010 MK 76 (E973)</u>	UNKNOWN UNKNOWN	C/FP C/FP	ARMY ARMY	Apr-98	Jun-99	200,092	21.70	YES	NO	
				Apr-99	Jun-00	273,264	22.18	YES	NO	
<u>Q1040 BDU-45/B (F017)</u>	MCALESTER, AAP (MCALESTER, OK)*	SS/FP SS/FP SS/FP SS/FP	ARMY ARMY ARMY ARMY	Sep-96	Nov-97	8,146	854.48	YES	NO	
				Apr-97	Jun-98	11,158	706.27	YES	NO	
				Apr-98	Jun-99	25,762	986.63	YES	NO	
				Apr-99	Jun-00	21,028	1,008.70	YES	NO	
<u>Q1300 Laser Guided Training Round</u>	LORAL (ARCHIBALD, PA)	SS/FP SS/FP SS/FP C/FP	NAVY NAVY NAVY NAVY	Mar-97	Oct-98	1,785	5,600.00	YES	NO	
				Mar-97	Oct-98	1,393	5,600.00	YES	NO	
				Mar-97	Oct-98	512	5,600.00	YES	NO	
				Jun-99	Jan-00	1,572	4,954.00	YES	NO	
				Jun-99	Jan-00	1,572	4,954.00	YES	NO	
<u>QTBD Mk 83 Inert</u>	UNKNOWN	C/FP	ARMY	Apr-98	Jun-99	5,432	1,548.02	YES	NO	

REMARKS

*IMCO, Garland, Texas bomb bodies manufacturer; LAP at McAlester, OK.

**FY 1995/96 will be a combined buy to Loral. Unit Cost includes LGTR II and steel containers, an improvement in the delivery package which represents PAVEWAY III.

P-1 SHOPPING LIST

EXHIBIT P-5A

1998/99 BUDGET PRODUCTION SCHEDULE					P-1 ITEM NOMENCLATURE												DATE															
					Practice Bombs (Y1Q1)												February 1997															
ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT	BAL. DUE AS OF 1 OCT	FISCAL YEAR 1997												FISCAL YEAR 1998												L A T E R			
					CALENDAR YEAR 1997												CALENDAR YEAR 1998															
					O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S				
					C	O	E	A	E	A	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E					
MK-76 (E973)(TH)	N																															
FY 98 Unknown		200.1	0	200.1																						200.1						
FY 99 Unknown		273.3	0	273.3																						273.3						
BDU-45/B (F017)	N																															
FY 96 McAlester		8.2	0	8.2											4.1	4.1																
FY 97 McAlester		11.2	0	11.2																	1	1	1	1		7.2						
FY 98 McAlester		25.8	0	25.8																						25.8						
FY 99 McAlester		21.0	0	21.0																						21.0						
Laser Guided Training (EA)	N																															
FY 95 LORAL		1785	0	1785																						1785						
FY 96 LORAL		1393	0	1393																						1393						
FY 97 LORAL		512	0	512																						512						
FY 99 LORAL		1572	0	1572																						1572						
MK 83 Inert (TH)	N																															
FY 98 Unknown		5.4	0	5.4																						5.4						
TOTAL	0	5807	0	5807	0	0	0	0	0	0	0	0	0	0	0	4.1	4.1	0	0	0	0	0	0	1	1	1	1	5795				
					C	O	E	A	E	A	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E					
MANUFACTURER'S NAME AND LOCATION		PRODUCTION RATES			RCHD	PROCUREMENT LEAD TIME								REMARKS																		
		UM	1-8-5	MAXIMUM	D +	ADMIN LEAD TIME				MANU-FACTURING		TOTAL			Adm Prod T																	
BDU-45 (F017)		4500	9600	19200		PRIC		AFTER				AFTER			MK 76 6 14 20																	
LORAL Archibold, PA (LGTR)		UNK	300	UNK		1 OCT		1 OCT		TIME		1 OCT			BDU-48 6 14 20																	
MK 76 (E973)		1500	UNK	UNK											BDU-45 6 14 20																	
BDU-48 (E962)		####	UNK	UNK											LGTR 8 7 15																	
MK 83 Inert		1800	3600	7200											MK 83 6 14 20																	
					REORDER (Previous Source)																											

FY 1998/99 BUDGET PRODUCTION SCHEDULE											P-1 ITEM NOMENCLATURE											DATE																		
ITEM/MANUFACTURER/ PROCUREMENT YEAR	FISCAL YEAR 1999											FISCAL YEAR 2000											FISCAL YEAR 2001											L A T E R						
	1998			CALENDAR YEAR 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	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N		J U L	A U G	S E P			
Mk 76 (E973)(TH)								17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	13.1																					
FY 98 Unknown							A														22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	31.3				
FY 99 Unknown																																								
BDU-45/B (F017)(TH)																																								
FY 97 Unknown	1	1	1	1	1	1	1	0.2																																
FY 98 Unknown									2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.6																				
FY 99 Unknown							A													1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.2							
Laser Guided Training Round																																								
FY 95 LORAL	149	149	149	149	149	149	149	149	149	149	146																													
FY 96 LORAL	116	116	116	116	116	116	116	116	116	116	117																													
FY 97 LORAL	43	43	43	43	43	43	43	43	43	39																														
FY 99 Unknown									A						131	131	131	131	131	131	131	131	131	131	131	131	131	131	131											
MK 83 Inert (TH)																																								
FY 98 Unknown								0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6																					
TOTAL	309	309	309	309	309	309	309	308	328	328	328	322	20	20	20	151	151	151	151	146	155	155	155	155	155	155	155	24	24	24	24	24	33	0	0	0	0	0		
	C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E				
REMARKS																																								

THIS PAGE LEFT INTENTIONALLY BLANK

Classification **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Procurement of Ammunition, Navy and Marine Corps B.A. 1 - Navy Ammunition					P-1 ITEM NOMENCLATURE Cartridges and Cartridge Actuated Devices (CARTS/CADS) (Y1Q8)			
	FY 1996*	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	17.5	21.5	24.4	26.3	27.5	28.1	28.6	29.3
<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 FY-98/99 budget request provides funding for the procurement of IBARS Gas Generators, CCU-107 Impulse Cartridges, 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 FY 98/99 budget request provides for CCU-107 Impulse Cartridges and the JAU-22/B Initiator Cartridge.</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><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>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>								

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS								DATE:		
P-5								February 1997		
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD						
Procurement of Ammunition, Navy Marine Corps B.A. 1 - Navy Ammunition				CARTS/CADS (Y1Q8)						
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
	STORES RELEASE									
Q8TBD	CCU-107 Imp Ctg (MT95)	A	0	0	0	0	0	0	180,000	560
Q8090	JAU-22/B Init. Ctg. (MF65)	A	0	0	223,643	3,131	150,000	2,189	150,000	2,241
	SAFETY									
Q8TBD	IBARS Gas Generator (IBA1)	A	0	0	0	0	347	787	382	887
Q8060	Thermal Battery (CDWR)	A	561	1,606	94	272	0	0	0	0
Q8080	BBU-57/A Cutter (DF03)	A	97	860	72	654	76	708	32	306
Q8120	JAU-52 (MJ91)	A	340	1,081	183	595	123	409	188	640
Q8300	Navy Aircrew Common Ejection Seat	A		673		690		1,292		1,804
Q8600	Misc Devices Under \$500K			7,186		9,670		10,512		11,082
Q8800	Integrated Logistics Support			1,207		1,521		1,567		1,645
Q8830	Production Engineering Support			2,390		2,315		2,135		2,247
Q8840	Quality Assurance			373		382		328		344
Q8850	Product Improvement Program			1,342		1,373		3,550		3,640
Q8860	Acceptance Testing			816		878		896		934
				17,534		21,481		24,373		26,330

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)										
							February 1997			
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1 ITEM NOMENCLATURE			SUBHEAD			
Procurement of Ammunition, Navy and Marine Corps B.A.1 - Navy Ammunition				CARTS/CADS			(Y1Q8)			
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILBL NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
STORES RELEASE										
Q8TBD CCU-107 Imp Ctg (MT95)										
FY 99	UNKNOWN	C/FP	SPCC	Apr-99	Apr-00	180,000	3.11	YES	NO	
Q8TBD JAU-22 Init Ctg (MF64)										
FY 97	UNKNOWN	C/FP	SPCC	Apr-97	Apr-98	223,643	14.00	YES	NO	
FY 98	UNKNOWN	C/FP	SPCC	Apr-98	Apr-99	150,000	14.59	YES	NO	
FY 99	UNKNOWN	C/FP	SPCC	Apr-99	Apr-00	150,000	14.94	YES	NO	
SAFETY										
Q8060 Thermal Battery (CDWR)										
FY 96*	MSA	SS/FP	NRCC	Apr-96	Apr-97	561	2863.00	YES	NO	
FY 97*	MSA	SS/FP	NRCC	Apr-97	Apr-98	94	2893.39	YES	NO	
Q8TBD BBU-57/A Cutter (DF03)										
FY 96	NORTHROP (HAWTHORNE, CA.)	C/FP	SPCC	Aug-96	Sept-97	97	8866.00	YES	NO	
FY 97	UNKNOWN	C/FP	SPCC	Apr-97	Apr-98	72	9087.65	YES	NO	
FY 98	UNKNOWN	C/FP	SPCC	Apr-98	Apr-99	76	9314.84	YES	NO	
FY 99	UNKNOWN	C/FP	SPCC	Apr-99	Apr-00	32	9547.71	YES	NO	
Q8TBD IBARS Gas Generator (IBA1)										
FY 98	UNKNOWN	C/FP	SPCC	Apr-98	Apr-99	347	2268.01	YES	NO	
FY 99	UNKNOWN	C/FP	SPCC	Apr-99	Apr-00	382	2321.99	YES	NO	
D. REMARKS										
*Contractor owned data package										

CLASSIFICATION: UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE	
									February 1997	
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1 ITEM NOMENCLATURE				SUBHEAD		
Procurement of Ammunition, Navy and Marine Corps				CARTS/CADS				(Y1Q8		
B.A. 1 - Navy Ammunition										
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
Q8120 JAU-52/B Init. Ctg (MJ91) FY 95	ROCKET RESEARCH (SEATTLE, WA)	SS/FP	SPCC	Nov-95	Feb-97	272	3297.74	YES	NO	
FY 96	ROCKET RESEARCH (SEATTLE, WA)	SS/FP	SPCC	Aug-96	Sep-97	340	3179.42	YES	NO	
FY 97	ROCKET RESEARCH	SS/FP	SPCC	Apr-97	Apr-98	183	3252.12	YES	NO	
FY 98	ROCKET RESEARCH	SS/FP	SPCC	Apr-98	Apr-99	123	3325.15	YES	NO	
FY 99	ROCKET RESEARCH	SS/FP	SPCC	Apr-99	Apr-00	188	3404.26	YES	NO	
D. REMARKS										

Y 1998/99 BUDGET PRODUCTION SCHEDULE					P-1 ITEM NOMENCLATURE													DATE										
					CARTS/CADS (Y1Q8)/(Y5Q4)													February 1997										
ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT	BAL. DUE AS OF 1 OCT	FISCAL YEAR 1997												FISCAL YEAR 1998						L A T E R					
					CALENDAR YEAR 1997												CALENDAR YEAR 1998											
					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
IBARS Gas Generator (IBA1)	N																											
FY 98 Unknown		347	0	347																						347		
FY 99 Unknown		382	0	382																						382		
CCU-107 Imp. Ctg. (MT 95) (TH)	N																											
FY 93 QUANTIC		268.5	97.5	171.0	30	30	30	30	30	21																		
FY 94 QUANTIC		221.8	80	141.8	20	20	20	20	20	20	22																	
FY 99 Unknown		180		180																						180.0		
JAU-22/B Init Ctg (MF64)(TH)	N																											
FY 97 Unknown		223.6	0	223.6																						112.0		
FY 98 Unknown		150.0	0	150.0																						150.0		
FY 99 Unknown		150.0	0	150.0																						150.0		
Thermal Battery (CWDR) (EA)	N																											
FY 94 MSA		183	145	38	15	23																						
FY 95 MSA		166	84	82	14	14	14	14	14	12																		
FY 96 MSA		561	0	561							47	47	47	47	47	47	47	47	47	47	47	47	47	47	47			
FY 97 MSA		94	0	94							A															46		
TOTAL	0	2926.9	406.5	2520	79	87	64	64	64	53	69	47	47	47	47	47	47	47	47	47	47	47	47	47	1367			
					C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E
MANUFACTURER'S NAME AND LOCAT	PRODUCTION RATES			RCH'D D +	PROCUREMENT LEAD TIME												REMARKS											
	SUST.	1-8-5	MAXIMUM		ADMIN LEAD TIME				MANU-FACTURING TIME				TOTAL AFTER 1 OCT				IBARS Gas Generator CCU-107 JAU-22/B INIT CTG (MF64) Thermal Battery											
MSA (Thermal Battery)	0	32	64	PRIOR 1 OCT				AFTER 1 OCT																				
QUANTIC	0	80	160																									
JAU-22	4,000	40,000	80,000																									
Quantic (CCU 107)	8,000	80,000	160,000	INITIAL				6				12				18												
					REORDER (Previous Source)																							

ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT	BAL. DUE AS OF 1 OCT	FISCAL YEAR 1997													FISCAL YEAR 1998												L A T E R
					1996			CALENDAR YEAR 1997										CALENDAR YEAR 1998												
					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		
BBU-57/A Cutter (DF03) (EA)	N																													
FY 96 Northrop		97	0	97											14	14	14	14	14	14	13									
FY 97 Unknown		72	0	72					A											6	6	6	6	6	6	36				
FY 98 Unknown		76	0	76																A						76				
FY 99 Unknown		32	0	32																					32					
JAU-52 (MJ91) (EA)	N																													
FY 94 Rocket Research		172	154.8	17.2	17																									
FY 95 Rocket Research		272	0	272				27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2														
FY 96 Rocket Research		340	0	340										49	49	49	49	49	49	46										
FY 97 Rocket Research		183	0	183																	15	15	15	15	15	15	93			
FY 98 Rocket Research		123	0	123																	A						123			
FY 99 Rocket Research		188	0	188																						188				
TOTAL	0	1555	154.8	1400	17	0	0	0	27	27	27	27	27	27	27	90	90	90	63	63	63	59	21	21	21	21	21	21	548	
					C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E		

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES			RCH'D D +	PROCUREMENT LEAD TIME							REMARKS																			
	UM	1-8-5	MAXIMUM		ADMIN LEAD TIME				MANU- FACTURING TIME	TOTAL AFTER 1 OCT																					
					PRIOR 1 OCT	AFTER 1 OCT																									
Rocket Research	UNK.	150	350																												BBU-57/A Cutter (DF03)
NORTHROP	UNK	UNK	UNK																												JAU-52 (MJ91)

FY 1998/99 BUDGET PRODUCTION SCHEDULE											P-1 ITEM NOMENCLATURE													DATE																				
											CARTS/CADS (Y1Q8)/(Y5Q4)													February 1997																				
ITEM/MANUFACTURER/ PROCUREMENT YEAR	FISCAL YEAR 1999						FISCAL YEAR 2000												FISCAL YEAR 2001						L A T E R																			
	1998			CALENDAR YEAR 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		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							
IBARS Gas Generator (IBA1) FY 98 Unknown FY 99 Unknown							28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	29.1																										
CCU-107 Imp Ctg (MT95) FY 99 Unknown							A												31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	32.2											
JAU-22/B Init Ctg (MF64)(TH) FY 97 Unknown FY 98 Unknown FY 99 Unknown	18.6	18.6	18.6	18.6	18.6	19				12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5																										
Battery (CWDR) FY 97 MSA	8	8	8	8	8	6																																						
BBU-57/A Cutter (DF03)(EA) FY 97 Unknown FY 98 Unknown FY 99 Unknown	6	6	6	6	6	6				6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.7				3	3	3	3	3	3	3	3	3	5										
TOTAL	33	33	33	33	33	31	48	48	48	48	48	48	48	48	48	48	48	48	62	62	62	62	62	62	62	62	62	64	59	60	0	0	0	0	0	0	0	0	0	0				
	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								
REMARKS																																												

FY 1998/99 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE

DATE

CARTS/CADS (Y1Q8)/(Y5Q4)

February 1997

Table with columns for Fiscal Year (1998, 1999, 2000, 2001) and Calendar Year (1998, 1999, 2000, 2001). Rows include JAU-52 (MJ91)(EA), FY 97 Rocket Research, FY 98 Rocket Research, and FY 99 Rocket Research. Values are provided for various months (OCT, NOV, DEC, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEPT, OCT, NOV, DEC).

REMARKS

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Procurement of Ammunition, Navy and Marine Corps B.A.1 - Navy Ammunition					P-1 ITEM NOMENCLATURE Aircraft Escape Rockets/Catapults (Y1Q9)			
	FY 1996*	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	10.3	8.0	8.5	10.5	10.7	10.9	11.1	11.4
<p>This program provides funding for rocket motors, rocket catapults and catapults used to eject crewmen from disabled aircraft. The program is structured to meet replacement requirements that are based on aircraft inventories and escape rocket/catapults service lives. An aircraft containing a single escape rocket/catapult not up to man-rated standards is grounded for safety-of-flight. Spare inventories are limited to the lowest level that can be maintained without causing aircraft grounding due to shortfalls. Devices are also used to function aircraft emergency safety systems.</p> <p><u>PES</u>: Production Engineering Support efforts include the review of procurement requests, waivers and deviations, and technical support for First Article Testing/Lot Acceptance Testing. Conformance with new EPA regulations is part of the PES review.</p> <p><u>ILS</u>: Integrated Logistics Support efforts will provide ILS planning, maintenance standardization, supply support, the generation and implementation of a traceability system, and technical data programs.</p> <p><u>PIP</u>: 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.</p> <p>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.</p>								

UNCLASSIFIED

CLASSIFICATION:

WEAPONS SYSTEM COST ANALYSIS								DATE:		
P-5								February 1997		
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD						
Procurement of Ammunition, Nav Marine Corps, B.A. 1 - Navy Ammunition				Aircraft Escape Rockets/Catapults (Y1Q9)/						
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
	<u>SAFETY</u>									
Q9070	MK122 Parachute Deploy. RKT M	A		0	120	382	117	381	186	620
Q9080	MK123 Underseat Rkt Mtr (MT30)	A		0	9	76	0	0	11	97
Q9081	MK124 Underseat Rkt Mtr (MT31)	A		0	18	152	48	414	132	1,164
Q9090	MK 100 Rkt Mtr (MD68)	A	45	457	0	0	0	0	20	217
Q9820	Reliability Life			560		556		627		656
Q9130	Misc Devices Under \$500K			5,485		3,380		3,270		3,510
Q9800	Integrated Logistics Support			570		710		681		837
Q9830	Production Engineering Support			868		908		901		927
Q9850	Product Improvement Program			1,832		1,156		1,615		1,759
Q9860	Acceptance Test			574		682		655		695
TOTAL					10,346		8,002		8,544	10,482

DD FORM 2446, JUN 86

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 7

PAGE NO. 2

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE February 1997		
B. APPROPRIATION/BUDGET ACTIVITY Procurement of Ammunition, Navy and Marine Corps B.A. 1 - Navy Ammunition				C. P-1 ITEM NOMENCLATURE Aircraft Escape Rockets/ Catapults				SUBHEAD Y1Q9		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<u>Q9070 MK 122 Parachute Deployment Rkt Mtr (MT29)</u>										
FY 95	MARTIN-BAKER (LONDON,ENG)	C/FP	SPCC	APR 95	APR 97	204	3,047.79	YES	NO	
FY 97	UNKNOWN	C/FP	SPCC	APR 97	APR 98	120	3,185.86	YES	NO	
FY 98	UNKNOWN	C/FP	SPCC	APR 98	APR 99	117	3,257.22	YES	NO	
FY 99	UNKNOWN	C/FP	SPCC	APR 99	APR 00	186	3,330.18	YES	NO	
<u>Q9080 MK 123 Underseat Rkt Mtr (MT30)</u>										
FY 95	MARTIN-BAKER (LONDON, ENG)	C/FP	SPCC	APR 95	JAN 96	69	8,070.90	YES	NO	
FY 97	UNKNOWN	C/FP	SPCC	APR 97	APR 98	9	8,436.53	YES	NO	
FY 99	UNKNOWN	C/FP	SPCC	APR 99	APR 00	11	8,818.72	YES	NO	
<u>Q9081 MK 124 Underseat Rkt Mtr (MT31)</u>										
FY 95	MARTIN-BAKER (LONDON,ENG)	C/FP	SPCC	APR 95	JAN 96	145	8,070.90	YES	NO	
FY 97	UNKNOWN	C/FP	SPCC	APR 97	APR 98	18	8,436.53	YES	NO	
FY 98	UNKNOWN	C/FP	SPCC	APR 98	APR 99	48	8,625.50	YES	NO	
FY 99	UNKNOWN	C/FP	SPCC	APR 99	APR 00	132	8,818.71	YES	NO	
<u>Q9090 MK100 Rocket Motor (MD68)</u>										
FY 96	MARTIN-BAKER	SS/FP*	NRCC	JUN 96	JUN 97	45	10,163.51	YES	NO	
FY 99	UNKNOWN	C/FP	NRCC	APR 99	APR 00	20	10,861.91	YES	NO	
D. REMARKS *CONTRACTOR OWNED DATA PACKAGED.										

998/99 BUDGET PRODUCTION SCHED				P-1 ITEM NOMENCLATURE																	DATE														
				Aircraft Escape Rockets/Catapults (Y1Q9)																	February 1997														
ITEM / MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC QTY	ACCEP. TO 1 OCT	BAL. AS OF 1 OCT	FISCAL YEAR 1997												FISCAL YEAR 1998									LATER									
					1996												CALENDAR YEAR 1997										CALENDAR YEAR 1998								
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN		JUL	AUG	SEP						
Q9070 MK 122(MT29)	N																																		
FY 95 - MB		204	0	204								17	17	17	17	17	17	17	17	17	17	17	17	17	17	17									
FY 97 - Unknown		120	0	120								A															10	10	10	10	10	10	60		
FY 98 - Unknown		117	0	117																							A					117			
FY 99 - Unknown		186	0	186																												186			
Q9080 MK 123 (MT30)	N																																		
FY 97 - Unknown		9	0	9								A																1	1	1	1	1	1	3	
FY 99 - Unknown		11	0	11																													11		
Q9081 MK 124 (MT31)	N																																		
FY 97 - Unknown		18	0	18								A																	2	2	2	2	2	9	
FY 98 - Unknown		48	0	48																								A					48		
FY 99 - Unknown		132	0	132																													132		
Q9090 MK 100 (MD68)	N																																		
FY 96 - MB		45	0	45									4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3						
FY 99 - Unknown		20	0	20																													20		
TOTAL		0	910	0	910	0	0	0	0	0	0	17	17	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	586				
				OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP								
MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES			REORDER POINT D +	PROCUREMENT LEAD TIME																	REMARKS													
	UM SUST.	1-8-5	MAXIMUM		ADMIN LEAD TIME					MANUFACTURING TIME				TOTAL AFTER 1 OCT																					
Martin Baker - England	1	265	265															* These items delivered in batches. The 10 units in MK123 and 20 units in the MK124 are options.																	
				INITIAL																															
				REORDER (Previous Source)																															

THIS PAGE LEFT INTENTIONALLY BLANK

CLASSIFICATION: **UNCLASSIFIED**

**BUDGET ITEM JUSTIFICATION SHEET
P-40**

DATE: **FEB 1997**

APPROPRIATION/BUDGET ACTIVITY Procurement of Ammunition, Navy & Marine Corps BA1 - Navy Ammunition					P-1 ITEM NOMENCLATURE Airborne Expendable C/M Program (SH Y1QA)			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$22.3	\$21.5	\$22.7	\$29.4	\$46.7	\$50.5	\$46.5	\$59.9

The Airborne Electronic Warfare Expendable Countermeasures (ABN EXPC/M) line provides funding for procurement of countermeasure self-protection devices for all Navy and Marine Corps tactical, rotary and slow 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.

Active Jammers: The Advanced Airborne Electronic Decoy (AAED), part of the ALE-50 program is scheduled for Milestone III Production Decision in FY 1997. Procurement of the AAED Towed Expendable Decoy will begin in FY 1997. The Fiber Optic Towed Decoy (FOTD) is part of the Integrated Defensive Electronic Countermeasure (IDECM) Radio Frequency Countermeasure (RFCM) program which is scheduled for Milestone III Production Decision in FY 2001. Limited Rate Initial Production (LRIP) of the FOTD will begin in FY 1999 based on an Operational Assessment (OA) beginning in FY 1998. AAED and FOTD were developed under PE 0604270N RDT&E, Project E2175.

IR Decoys: The MJU-27A/B incorporates a safety enhancement and will replace the MJU-27/B beginning in FY 1996. Also, beginning in FY 1996 the MJU38 will replace the MJU8A/B and will be the infrared countermeasure used by high performance (tactical) aircraft, and the MJU32 will replace the MK 46 and will be the infrared countermeasure used by rotary and slow fixed-wing aircraft. The MJU32 and MJU38 incorporate several safety enhancements that will significantly lessen the hazards associated with handling and producing magnesium fueled devices. The RR191 is a dual RF/IR countermeasure in support of lower/slower flying aircraft. Initial procurement of the RR191 will take place in FY 1998. Procurement will begin in FY 1998 for the MJU35 and MJU36 extended length decoys tailored for use on the F/A-18E/F. The SM875 is a dedicated, low cost training device. The MK28 is a decoy flare used for missile training and testing. Reprocurement to replenish inventory levels will begin in FY 1998. All infrared decoys will be competitively procured by the Single Manager for Conventional Ammunition (SMCA).

Impulse Cartridges: Used to propel the self-protection devices away from the aircraft. CCU63/B is used for flares/GEN-X/SM875 (flare training round) and the CCU41/B is used for chaff. Beginning in FY 1997 the CCU136/B will replace the CCU/63 and the CCU41/B.

Support costs: Provide for required Production Engineering (PE), Product Improvement (PIP), Quality Assurance (QA), Acceptance Test and Evaluation (AT&E), and Integrated Logistic Support (ILS) by NAVAIR engineering/cognizant field activities.

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS							DATE:			
P-5							FEB 1997			
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD						
Procurement of Ammunition, Navy & Marine Corps				AIRBORNE EXPENDABLE C/M PROGRAM (SH Y1QA)						
BA1 - Navy Ammunition										
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
	ACTIVE JAMMERS									
QA110	AAED / IDECM TOWED	B			94	2,402	156	4,075	117	3,124
TBD	FOTD / IDECM TOWED	B							180	4,806
	IR DECOYS									
QA130	MJU-27A/B DECOY DEVICE	A	24,497	2,594	66,300	6,391	39,000	3,887	29,000	2,955
QA140	MJU-32/B ROTARY-WING DECOY	A	138,696	4,624	123,480	3,546	105,840	1,997	94,860	1,830
QA150	MJU-38/B FIXED WING DECOY	A	131,094	5,322						
TBD	RR-191 DECOY DEVICE	A					63,000	4,049	85,300	5,603
QA260	SM875 (TRAINING FLARE)	A	127,960	1,115	112,320	823	112,320	884	164,160	1,321
TBD	MK28 MOD 3	A					200	42	30	7
TBD	MJU-35/B DECOY DEVICE	A					1,000	129	3,000	368
TBD	MJU-36B FIXED-WING DECOY	A					1,000	70	4,000	173

DD FORM 2446, JUN 86

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 8

PAGE NO. 2

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS							DATE:			
P-5							FEB 1997			
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD						
Procurement of Ammunition, Navy & Marine Corps				AIRBORNE EXPENDABLE C/M PROGRAM (SH Y1QA)						
BA1 - Navy Ammunition										
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
	IMPULSE CARTRIDGES									
QA070	CCU-63/B (IR DECOYS)	A	260,352	414						
QA080	CCU-41/B (CHAFF)	A	138,238	196						
QA090	CCU-136/B (GENERIC)	A			352,800	882	302,400	762	468,720	1,191
	SUPPORT COSTS									
QA830	PRODUCTION ENGINEERING		-	1,960	-	1,457	-	1,970	-	2,000
QA840	QUALITY ASSURANCE		-	507	-	510	-	510	-	510
QA850	PRODUCT IMPROVEMENT		-	2,226	-	1,643	-	1,909	-	1,970
QA860	ACCEPTANCE TEST & EVALUATION		-	2,987	-	3,566	-	2,140	-	3,285
QA800	ILS		-	350	-	300	-	300	-	300
TOTAL				22,295		21,520		22,724		29,443

DD FORM 2446, JUN 86

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 8

PAGE NO. 3

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE FEB 1997	
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE			SUBHEAD		
Procurement of Ammunition, Navy & Marine Corps					AIRBORNE EXPENDABLE			Y1QA		
BA1 - Navy Ammunition					C/M PROGRAM					
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQD	IF YES WHEN AVAILABLE
ACTIVE JAMMERS										
AAED (ALE-50)										
(TBD) FY 97	Raytheon Goleta, CA	SS/FP	WRIGHT PATT	JAN 97	MAR 98	94	25,550.00	YES	NO	
(TBD) FY 98	Raytheon Goleta, CA	SS/FP	WRIGHT PATT	JAN 98	MAR 99	156	26,122.00	YES	NO	
(TBD) FY 99	Raytheon Goleta, CA	SS/FP	WRIGHT PATT	JAN 99	MAR 00	117	26,702.00	YES	NO	
FOTD (IDECM)										
(TBD) FY 99	Sanders Nashua, NH	SS/FP	NAVAIR	JUN 99	SEP 00	180	26,702.00	NO	NO	
INFRARED DECOYS										
MJU-27A/B DECOY										
(EWAA) FY 96	Alloy Wilmington, DE	SS/FP	SMCA	DEC 96	FEB 97	24,497	105.91	YES	NO	
(EWAA) FY 97	Alloy Wilmington, DE	SS/FP	SMCA	APR 97	JUN 97	66,300	96.39	YES	NO	
(EWAA) FY 98	Alloy Wilmington, DE	SS/FP	SMCA	APR 98	JUN 98	39,000	99.67	YES	NO	
(EWAA) FY 99	Alloy Wilmington, DE	SS/FP	SMCA	APR 99	JUN 99	29,000	101.89	YES	NO	
MJU-32/B ROTARY WING AIRCRAFT DECOY										
(LA01) FY 96	Unknown	C/FP	SMCA	FEB 97	MAY 97	138,696	33.34	YES	NO	
(LA01) FY 97	Unknown	C/FP	SMCA	JUN 97	JAN 98	123,480	28.72	YES	NO	
(LA01) FY 98	Unknown	C/FP	SMCA	APR 98	AUG 98	105,840	18.87	YES	NO	
(LA01) FY 99	Unknown	C/FP	SMCA	APR 99	AUG 99	94,860	19.29	YES	NO	
D. REMARKS										

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)										A. DATE FEB 1997	
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD		
Procurement of Ammunition, Navy & Marine Corp					AIRBORNE EXPENDABLE				Y1QA		
BA1 - Navy Ammunition					C/M PROGRAM						
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE	
INFRARED DECOYS											
MJU-38/B FIXED WING DECOY (LA02) FY 96	Unknown	C/FP	SMCA	FEB 97	MAY 97	131,094	40.60	YES	NO		
RR-191 DECOY DEVICE (TBD) FY 98	Alloy Wilmington, DE	SS/FP	SMCA	MAY 98	OCT 98	63,000	64.27	NO	YES	2QFY97	
(TBD) FY 99	Alloy Wilmington, DE	SS/FP	SMCA	MAY 99	OCT 99	85,300	65.68	NO	YES	2QFY97	
SM875 TRNG FLARE (L540) FY 96	Unknown	C/FP	SMCA	FEB 97	MAY 97	127,960	8.71	YES	NO		
(L540) FY 97	Unknown	C/FP	SMCA	JUN 97	JAN 98	112,320	7.33	YES	NO		
(L540) FY 98	Unknown	C/FP	SMCA	APR 98	OCT 98	112,320	7.87	YES	NO		
(L540) FY 99	Unknown	C/FP	SMCA	APR 99	OCT 99	164,160	8.05	YES	NO		
MK-28 MOD 3 TARGET FLARE (TBD) FY 98	Unknown	C/FP	NSWC CRANE	MAR 98	JUN 98	200	212.00	NO	YES	4QFY96	
(TBD) FY 99	Unknown	C/FP	NSWC CRANE	MAR 99	JUN 99	30	216.66	NO	YES	4QFY96	
MJU-35 DECOY DEVICE (TBD) FY 98	Alloy Wilmington, DE	SS/FP	NSWC CRANE	MAY 98	OCT 98	1,000	128.60	NO	YES	2QFY97	
(TBD) FY 99	Alloy Wilmington, DE	SS/FP	NSWC CRANE	MAY 99	OCT 99	3,000	122.80	NO	YES	2QFY97	
MJU-36 FIXED WING DECOY (TBD) FY 98	Unknown	C/FP	NSWC CRANE	MAY 98	OCT 98	1,000	70.00	NO	YES	2QFY97	
(TBD) FY 99	Unknown	C/FP	SMCA	MAY 99	OCT 99	4,000	43.37*	NO	YES	2QFY97	
D. REMARKS											
The RR-191 is a product improvement to the RR-129 and will be used by rotary wing aircraft. The MJU-35 and the MJU-36 will transition to the SMCA for procurement in FY 2000.											
*Reduced unit cost reflects transition to SMCA.											

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE FEB 1997	
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1 ITEM NOMENCLATURE				SUBHEAD		
Procurement of Ammunition, Navy & Marine Corp BA1 - Navy Ammunition				AIRBORNE EXPENDABLE C/M PROGRAM				Y1QA		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
IMPULSE CARTRIDGES										
CCU-63/B (IR DECOYS) (MF29) FY 96	Quantic Hollister, CA	C/FP	NICP Mechanicsburg	MAR 96	OCT 96	260,352	1.59	YES	NO	
CCU-41/B (CHAFF) (MF60) FY 96	Quantic Hollister, CA	C/FP	NICP Mechanicsburg	JUL 96	OCT 96	138,238	1.42	YES	NO	
CCU-136/B (COMMON) (TBD) FY 97	Unknown	C/FP	NICP Mechanicsburg	MAY 97	OCT 97	352,800	2.50	YES	NO	
(TBD) FY 98	Unknown	C/FP	NICP Mechanicsburg	MAY 98	OCT 98	302,400	2.52	YES	NO	
(TBD) FY 99	Unknown	C/FP	NICP Mechanicsburg	MAY 99	OCT 99	468,720	2.54	YES	NO	
D. REMARKS										

FY 1998/99 BUDGET PRODUCTION SCHEDULE				P-1 ITEM NOMENCLATURE													DATE														
				Airborne Expendable C/M Program (SH Y1QA)													FEB 1997														
ITEM / MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC. QTY	ACCEP. PRIOR TO 1 OCT	BAL. AS OF 1 OCT	FISCAL YEAR 1997													FISCAL YEAR 1998													LATER
					CALENDAR YEAR 1997													CALENDAR YEAR 1998													
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
ACTIVE JAMMERS																															
AAED IDECM (ALE-50)																															
Raytheon FY-97		94	0	94					A													8	8	8	8	8	8	8	38		
Raytheon FY-98		156	0	156															A										156		
Raytheon FY-99		117	0	117																									117		
FOTD IDECM																															
Sanders FY-99		180	0	180																									180		
INFRARED DECOYS																															
MJU-27A/B DECOY DEVICE																															
Alloy Surfaces FY-96		24.5	0.0	24.5				A	5.0	5.0	5.0	5.0	4.5																		
Alloy Surfaces FY-97		66.3	0.0	66.3							A		1.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0										
Alloy Surfaces FY-98		39.0	0.0	39.0																	A			1.3	3.0	3.0	3.0		28.7		
Alloy Surfaces FY-99		29.0	0.0	29.0																									29.0		
MJU-32/B DECOY																															
Unknown FY-96		138.7	0.0	138.7				A				8.8	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	6.7	A									
Unknown FY-97		123.5	0.0	123.5									A								9.1	17.6	17.6	17.6	17.6	17.6	17.6	8.8			
Unknown FY-98		105.9	0.0	105.9																		A					8.8	8.8			
Unknown FY-99		94.9	0.0	94.9																								94.9			
MJU-38/B DECOY																															
Unknown FY-96		131.1	0.0	131.1				A				8.8	8.8	17.6	17.6	17.6	17.6	17.6	17.6	17.6	7.9										

PRODUCTION RATES					PROCUREMENT LEAD TIME													REMARKS
MANUFACTURER'S NAME AND LOCAT	MINIMUM SUST.	1-8-5	MAXIMUM	RCH'D D +	PROCUREMENT LEAD TIME													REMARKS
					ADMIN LEAD TIME						MANUFACTURING TIME			TOTAL				
					PRIOR 1 OCT						AFTER 1 OCT			AFTER 1 OCT				
AAED Raytheon, Goleta, CA	TBD	TBD	TBD															Whole numbers unit - each
FOTD Sanders, Nashua, NH	TBD	TBD	TBD															Decimals unit - 000's
MJU-27A/B Alloy, Wilmington, CA	1020	8640	17280								3/8			17/23				AAED/FOTD
MJU-32/B Unknown	8820	17640	17640	INITIAL							7			9				MJU-27
				REORDER (Previous Source)							7			11				MJU-32

1998/99 BUDGET PRODUCTION SCHEDULE					P-1 ITEM NOMENCLATURE													DATE																													
					Airborne Expendable C/M Program (SH Y1QA)													FEB 1997																													
ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP T O 1 OCT	BAL. DUE AS OF 1 OCT	FISCAL YEAR 1997												FISCAL YEAR 1998												L A T E R																		
					CALENDAR YEAR 1997												CALENDAR YEAR 1998																														
					O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S																			
C	O	E	A	E	A	P	A	U	U	U	S	C	O	E	A	E	A	P	A	U	U	A	S	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P
INFRARED DECOYS																																															
RR-191 DECOY DEVICE																																															
Alloy FY-98		63.0	0.0	63.0																									A	63.0																	
Alloy FY-99		85.3	0.0	85.3																										85.3																	
SM875 TRAINING FLARE																																															
Unknown FY-96		128.0	0.0	128.0																																											
Unknown FY-97		112.3	0.0	112.3																																											
Unknown FY-98		112.3	0.0	112.3																																											
Unknown FY-99		164.2	0.0	164.2																																											
MK-28 MOD 3																																															
Unknown FY-98		200	0	200																																											
Unknown FY-99		30	0	30																																											
MJU-35 DECOY DEVICE																																															
Alloy Surfaces FY-98		1.0	0.0	1.0																									A	1.0																	
Alloy Surfaces FY-99		3.0	0.0	3.0																										3.0																	
MJU-36 DECOY																																															
Unknown FY-98		1.0	0.0	1.0																									A	1.0																	
Unknown FY-99		4.0	0.0	4.0																										4.0																	
					O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S																			
					C	O	E	A	E	A	P	A	U	U	U	S	C	O	E	A	E	A	P	A	U	U	A	S																			
					T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P																			
		PRODUCTION RATES			RCH'D	PROCUREMENT LEAD TIME												REMARKS																													
MANUFACTURER'S NAME AND L		MINIMUM SUST.	1-8-5	MAXIMUM		D +	ADMIN LEAD TIME				MANU-FACTURING TIME		TOTAL		Whole numbers unit - each																																
RR-191 Alloy, Wilmington,		2000	8640	17280			PRIOR		AFTER		AFTER		Decimals unit - 000's																																		
SM875 Unknown		8640	8640	17280		1 OCT		1 OCT		1 OCT																																					
MK-28 MOD 3		200	200	400						8		5		13		RR-191/MJU-35/MJU-36																															
MJU-35 Alloy, Wilmington,		100	1000	4000	INITIAL					7		6		13		SM875																															
MJU-36/B Unknown		100	1000	4000						6		3		9		MK28																															
					REORDER (Previous Source)																																										

1998/99 BUDGET PRODUCTION SCHEDULE				P-1 ITEM NOMENCLATURE Airborne Expendable C/M Program (SH Y1QA)														DATE FEB 1997												
ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCE D PRIOR TO 1 OCT	BAL. DUE AS OF 1 OCT	FISCAL YEAR 1997												FISCAL YEAR 1998												L A T E R	
					1996			CALENDAR YEAR 1997									CALENDAR YEAR 1998													
					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		
IMPULSE CARTRIDGES																														
CCU-63/B (FLARES)																														
Quantic FY-96		260.4	0.0	260.4	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	29.2	29.2															
CCU-41/B (CHAFF)																														
Unknown FY-96		138.2	0.0	138.2	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	18.6	18.6															
CCU-136/B (COMMON)																														
Unknown FY-97		352.8	0.0	352.8									A					20.0	20.0	20.0	20.0	20.0	20.0	32.8	40.0	40.0	40.0	40.0	40.0	40.0
Unknown FY-98		302.4	0.0	302.4																				A						302.4
Unknown FY-99		468.8	0.0	468.8																										468.8

MANUFACTURER'S NAME AND LOCATION	MUS UST	PRODUCTION RATES		RCHD D +	PROCUREMENT LEAD TIME				REMARKS	
		1-8-5	MAXIMUM		ADMIN LEAD TIME	MANU-FACTURING TIME	TOTAL			
CCU-63/B Quantic, Hollister,	10K	60K	240K		PRIOR 1 OCT	AFTER 1 OCT	6	7	13	Whole numbers unit - each Decimals unit - 000's CCU-63 CCU-41 CCU-136
CCU-41/B Unknown	10K	60K	240K				10	3	13	
CCU-136/B Unknown	10K	40K	80K				8	5	13	

FY 1998/99 BUDGET PRODUCTION SCHEDULE													P-1 ITEM NOMENCLATURE													DATE																																																	
													Airborne Expendable C/M Program (SH Y1QA)													FEB 1997																																																	
ITEM/MANUFACTURER/ PROCUREMENT YEAR	FISCAL YEAR 1999													FISCAL YEAR 2000													FISCAL YEAR 2001													L A T E R																																			
	1998			CALENDAR YEAR 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	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																																							
ACTIVE JAMMERS																																																																											
AAED IDECM (ALE-50)																																																																											
Raytheon FY-97	8	8	8	8	6																																																																						
Raytheon FY-98						13	13	13	13	13	13	13	13	13	13																																																												
Raytheon FY-99				A													10	10	10	10	10	10	10	10	10	10	10	10	10	10	7																																												
FOTD IDECM																																																																											
Sanders FY-99																																																																											
INFRARED DECOYS																																																																											
MJU-27A/B DECOY DEVICE																																																																											
Alloy Surfaces FY-98	3.0	4.0	4.0	4.0	4.0	4.0	4.0	1.7																																																																			
Alloy Surfaces FY-99							A		3.0	3.0	3.0	3.0	3.0	2.0	2.0																																																												
MJU-32/B DECOY																																																																											
Unknown FY-98	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	9.1																																																																	
Unknown FY-99							A				8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8																																					
RR-191 DECOY DEVICE																																																																											
Alloy FY-98	1.0	2.0	4.0	6.0	6.0	6.9	8.0	8.0	6.0	6.0	5.1	4.0																																																															
Alloy FY-99								A						7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	8.3																																													
SM875 TRAINING FLARE																																																																											
Unknown FY-98	17.1	9.2	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6																																																															
Unknown FY-99							A							17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	9.4	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6																																						
<table border="1"> <tr> <td>O C T</td> <td>N O V</td> <td>D E C</td> <td>J A N</td> <td>F E B</td> <td>M A R</td> <td>A P R</td> <td>M A Y</td> <td>J U N</td> <td>J U L</td> <td>A U G</td> <td>S E P</td> <td>O C T</td> <td>N O V</td> <td>D E C</td> <td>J A N</td> <td>F E B</td> <td>M A R</td> <td>A P R</td> <td>M A Y</td> <td>J U N</td> <td>J U L</td> <td>A U G</td> <td>S E P</td> <td>O C T</td> <td>N O V</td> <td>D E C</td> <td>J A N</td> <td>F E B</td> <td>M A R</td> <td>A P R</td> <td>M A Y</td> <td>J U N</td> <td>J U L</td> <td>A U G</td> <td>S E P</td> </tr> </table>																																								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
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																																								
REMARKS																																																																											

THIS PAGE LEFT INTENTIONALLY BLANK

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Procurement of Ammunition Navy & Marine Corps BA 1 - Ammunition					P-1 ITEM NOMENCLATURE Marine Location Markers (Y1Q6)			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	0.9	0.6	0.7	2.0	3.4	2.0	2.1	2.1
<p>Marine Location Markers</p> <p>These items include aircraft launched pyrotechnic devices which visually assist in the location of sonobouys in anti-submarine operations. They are also hand launched and 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 FY 96-99 are required to: complete testing and documentation of the MK 58 Mod 2 to make the unit standard sonobouy size and incorporate 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 increase in funding from FY 1998 to FY 1999 is associated with the procurement of 5,769 MK 58 units.</p>								

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS								DATE:		
P-5								February 1997		
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD						
Procurement of Ammunition Navy & Marine Corps				Marine Location Markers (Y1Q6)						
BA 1 - Ammunition										
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
Q6010	MK 58 MLM (L580)	A	-	-	-	-	-	-	5,769	1,099
Q6800	Integrated Logistics Support			25		23		22		25
Q6830	Production Engineering Services			315		182		280		345
Q6850	Product Improvement Program			490		288		333		545
Q6892	Non-Standard Items			12		65		10		12
Q6893	Renovation Components			12		10		10		12
TOTALS				854		568		655		2,038

DD FORM 2446, JUN 86

P-1 SHOPPING LIST
ITEM NO. 9 PAGE NO. 2

CLASSIFICATION:

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE	
B. APPROPRIATION/BUDGET ACTIVITY Procurement of Ammunition Navy & Marine Corps BA 1 - Ammunition									February 1997	
C. P-1 ITEM NOMENCLATURE Marine Location Markers									SUBHEAD Y1Q6	
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
Q6010 MK 58 MLM (L580) FY 99	UNKNOWN	C/FP	ARMY IOC	Jan-99	Oct-00	5,769	190.51	YES	NO	
D. REMARKS										

FY 1998/99 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE

DATE

Marine Location Markers

February 1997

ITEM/MANUFACTURER/ PROCUREMENT YEAR	FISCAL YEAR 1999									FISCAL YEAR 2000									FISCAL YEAR 2001									L A T E R									
	1998			CALENDAR YEAR 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													
Q6010-MK58 MLM (L580) FY 99-UNK				A																					0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	
	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													

REMARKS

THIS PAGE LEFT INTENTIONALLY BLANK

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Procurement of Ammunition Navy & Marine Corps BA 1 - Ammunition					P-1 ITEM NOMENCLATURE JATO (JET ASSISTED TAKE OFF) (Y1Q7)			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	4.8	4.1	4.5	4.0	5.1	5.1	5.0	5.2
<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, launch target drones and Remotely Piloted Vehicles (RPVs).</p> <p>Intended use: Two MK 117s are used to launch one BQM 74C target. The MK 117 replaces the MK 91 and provides increased performance required to launch increasingly heavy targets. One MK 125 is used to launch the Pioneer RPV.</p> <p>Product Improvement: Funds requested for the Product Improvement Program (PIP) are in support of MK 117 design verification/qualification testing.</p>								

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS									DATE:	
P-5									February 1997	
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE/SUBHEAD					
Procurement of Ammunition Navy & Marine Corps					JATOS (JET ASSITED TAKE OFF) (Y1Q7)					
BA 1 - Ammunition										
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
Q7040	MK 117 MOD O ROCKET MOTOR (H	A	1,189	3,926	938	3,068	952	3,207	585	2,031
Q7050	MK 125 RATO (H311)	A	-	-	-	-	88	281	237	777
Q7800	Integrated Logistics Support			60		50		60		60
Q7830	Production Engineering Support			404		403		412		447
Q7850	Product Improvement Program			438		558		557		635
TOTALS				4,828		4,079		4,517		3,950

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE		
B. APPROPRIATION/BUDGET ACTIVITY Procurement of Ammunition Navy & Marine Corps BA 1 - Ammunition								February 1997		
								C. P-1 ITEM NOMENCLATURE JATOS		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
Q7040 MK 117 JATO ROCKET MOTOR (H341)										
FY 96	NSWC IH (IH, MD)	PO	NAVAIR	Apr-96	Oct-96	1,189	3301.93*	YES	NO	
FY 97	UNKNOWN	PO	NAVAIR	Apr-97	Apr-98	938	3271.05	YES	NO	
FY 98	UNKNOWN	PO	NAVAIR	Apr-98	Apr-99	952	3368.96	YES	NO	
FY 99	UNKNOWN	PO	NAVAIR	Apr-99	Apr-00	585	3471.76	YES	NO	
Q7050 MK 125 RATO (H311)										
FY 95	NIVERSAL PROPULSION CO, INC (PHOENIX, AZ)	C/FP	NSWC IH	Jun-95	Feb-97	148	3278.00	YES	NO	
FY 98	UNKNOWN	C/FP	NSWC IH	Apr-98	Apr-99	88	3193.18	YES	NO	
FY 99	UNKNOWN	C/FP	NSWC IH	Apr-99	Apr-00	237	3278.48	YES	NO	
D. REMARKS										
*Unit cost increase due to surcharge to expedite components.										

ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 1996	BAL. DUE AS OF 1 OCT 1996	FISCAL YEAR 1997												FISCAL YEAR 1998												L A T E
					1996			CALENDAR YEAR 1997									CALENDAR YEAR 1998												
					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	
Q7040-MK 117 (H341)	N																												
FY 95-NSWC IHD		410	235	175	77	98																							
FY 96-NSWC IHD		1189	-	1189	139			300			138	612																	
FY 97-NSWC IHD		938	-	938							A								500	438									
FY 98-NSWC IHD		952	-	952															A								952		
FY 99-NSWC IHD		585	-	585																							585		
Q7050-MK 125 RATO (H311)	N																												
FY 94-UPCO		452	-	452			200	200		52																			
FY 95-UPCO		148	-	148						148																			
FY 98-UNK		88	-	88															A								88		
FY 99-UNK		237	-	237																							237		
TOTAL	0	4999	235	4764	216	98	0	0	500	200	338	612	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1862		

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES				RCH'D D +	PROCUREMENT LEAD TIME				REMARKS
	UM SUST.	1-8-5	MAXIMUM			ADMIN	LEAD TIME	MANU- FACTURING	TOTAL	
H341-NSWC IHD-Indian Head, M	20.8*	83.3*	166.7*	166.7*		PRIOR 1 OCT	AFTER 1 OCT	TIME	AFTER 1 OCT	*MK 117s are produced in batches, not on a continuous monthly production line.
H311-UPCO-Phoenix, AZ	41.7	125	375	375	INITIAL		6	12	18	
					REORDER (Previous Source)					

FY 1998/99 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE

DATE

JATOS

February 1997

ITEM/MANUFACTURER/ PROCUREMENT YEAR	FISCAL YEAR 1999													FISCAL YEAR 2000													FISCAL YEAR 2001													L A T E R	
	1998			CALENDAR YEAR 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	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					
Q7040-MK 117 (H341) FY 98-NSWC IHD FY 99-NSWC IHD							500	452																																	
Q7050-MK 125 RATO (H311) FY 98-UNK FY 99-UNK							88																																		
TOTAL	0	0	0	0	0	0	588	452	0	0	0	0	0	0	0	0	0	0	737	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

REMARKS

THIS PAGE LEFT INTENTIONALLY BLANK

NAVMAT FORM 7110.1	PROCUREMENT AMMUNITION, NAVY & MARINE CORPS BUDGET ITEM JUSTIFICATION SHEET				(DOD EXHIBIT P-40)	FEBRUARY 1997		
BUDGET ACTIVITY 1 NAVY AMMUNITION			P-1 ITEM NOMENCLATURE 5"/54 GUN AMMUNITION			SUBHEAD NO. 81AC BLIN: 025000		
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY								
COST (In Millions \$)	35.2	15.7	27.7	54.8	100.0	50.7	86.9	88.7

ITEM DESCRIPTION/JUSTIFICATION:

This is a round of ammunition (separate loading ammunition) fired from cruiser and destroyer type combatant ships against air, surface and shore targets. There are also numerous barrels located at schools and engineering test sites. This program also supports the 5"/62 caliber extended range munitions.

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

PRODUCTION ENGINEERING: Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.

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

This program was transferred from Weapons Procurement Navy.

NAVMAT FORM 7110.1	PROCUREMENT AMMUNITION, NAVY & MARINE CORPS BUDGET ITEM JUSTIFICATION SHEET	(DOD EXHIBIT P-40)	FEBRUARY 1997
BUDGET ACTIVITY 1 NAVY AMMUNITION	P-1 ITEM NOMENCLATURE 5"/54 GUN AMMUNITION		SUBHEAD NO. 81AC BLIN: 025000

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 Conventional Ammunition Working Capital Fund (CAWCF) and the most recent CAWCF standard/non-standard price list has been used in pricing the ammo.

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS			WEAPONS SYSTEM COST ANALYSIS				(DOD EXHIBIT P-5)		FEBRUARY 1997	
BUDGET ACTIVITY 1 NAVY AMMUNITION			NARM CODE 025000		P-1 ITEM NOMENCLATURE 5"/54 GUN AMMUNITION				SUBHEAD NO. 81AC	
Cost Code	Element of Cost	Ident. Code	FY 96		FY 97		FY 98		FY 99	
			QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AC001	5"/54 HE-CVT	D803	11800	10895						
AC004	5"/54 VT NON-FRAG	D334	16374	14160	7157	5765				
AC017	5"/54 PRIMER	N534			20000	479				
AC030	5"/54 IMPROVED CONV. MUNITION	DICM					4628	10020		
AC031	5" EXT RANGE GUIDED MUNITION	ERGM							410	18368
AC034	5"/54 PROJ MFF-NF	MFFT							8100	12834
AC035	5" CHARGE, ERGM	ECHG							410	642
AC830	PRODUCTION ENGINEERING			2540		2743		3164		3456
AC831	ENGINEERING FOR ERGM									3000
AC832	QUALITY ASSURANCE ERGM									3458
AC833	ACCEPTANCE TESTING ERGM									2500
AC850	PRODUCT IMPROVEMENT			3062		3350		3314		2650
AC893	RENOVATION COMPONENTS			3905		2640		10469		7230
AC894	GAUGE REQUIREMENTS			527		533		542		538
AC895	NON-STANDARD ITEMS			150		155		160		165
	TOTAL			35239		15665		27669		54841

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS			PROCUREMENT HISTORY & PLANNING				(DOD EXHIBIT P-5A)			FEBRUARY 1997		
BUDGET ACTIVITY 1 NAVY AMMUNITION		NARM CODE 025000			P-1 ITEM NOMENCLATURE 5"/54 GUN AMMUNITION						SUBHEAD NO. 81AC	
COST CODE	ELEMENT OF COST FISCAL YEAR	CONTRACTOR AND ADDRESS	CONTRACT METHOD AND TYPE	P/R CONTRACTED BY	RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW/WHEN	ARE SPECS REVS REQUIRED	IF YES WHEN AVAIL
AC030	5"/54 IMPROVED CONV. MUNITION DICM FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Nov-97	Mar-98	Nov-99	4628	2165.06	NO	YES	Jul-97
AC031	5"/54 EXT RANGE GUIDED MUNITION ERGM FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Nov-98	Apr-99	Oct-00	410	44800.00	NO	YES	Jul-98
AC034	5"/54 PROJ MFF-NF MFFT FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Nov-98	Mar-99	Feb-01	8100	1584.49	NO	YES	Jul-98
AC035	5"/54 CHG, f/ERGM ECHG FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Nov-98	Apr-99	Oct-00	410	1567.00	NO	YES	Jul-98

NOTE: All items shown are priced with available GFM.

Appropriation Production Schedule FEBRUARY 1997

PROCUREMENT AMMUNITION NAVY & MARINE CORPS Subhead No. 81AC

Cost Code	Item/Mtr	Prj Yr	U / M	S e r v	Prog Qty	Oct 1		Fiscal Year 2000												Fiscal Year 2001												Fiscal Year 2002												Later
						Acc	Bal	C'Y 99			Calendar Year 2000									Calendar Year 2001									Calendar Year 2002															
						Prior	Due	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
						2000	2000																																					
AC034	MFFT - 57/54 PROJ MFF-NF																																											
	CAAA	99	K	N	8.1	NONE	8.1																																					
	TOTALS				8.1		8.1																																					

Manufacturer's Name and Location	Production Rates			Reached D+	Procurement Lead Time				Remarks:
	Min Sust.	1-8-5	Max		Admin Lead Time		Manu- facturing time	Total after 1-Oct	
CAAA	7300	14500	40500		Prior 1-Oct	After 1-Oct			
					4	4	23	27	
					4	4	23	27	
					P-1 Item Shopp List Item No			Page No	
					11			7	

NAVMAT FORM 7110.1	PROCUREMENT AMMUNITION, NAVY & MARINE CORPS BUDGET ITEM JUSTIFICATION SHEET				(DOD EXHIBIT P-40)	FEBRUARY 1997		
BUDGET ACTIVITY 1 NAVY AMMUNITION			P-1 ITEM NOMENCLATURE CIWS GUN AMMUNITION			SUBHEAD NO. 81AE BLIN: 026000		
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY								
COST (In Millions \$)	0.1	0.0	0.5	0.7	0.7	2.1	2.2	2.2

ITEM DESCRIPTION/JUSTIFICATION:

This ammunition is fired by the Phalanx Close-In Weapon System (CIWS) 20MM gatling gun for terminal defense against missiles and aircraft. At the end of FY 98 there will be CIWS systems installed on carriers, cruisers, destroyers, frigates, designated school commands and engineering test sites. In addition, the following type ships are scheduled to receive Phalanx: fast combat support (AOE), amphibious command (LCC), amphibious assault (LHA) and (LPH), amphibious transport dock (LPD), landing ship dock (LSD), and high endurance cutters (WHEC).

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

PRODUCTION ENGINEERING: Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.

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

This program was transferred from Weapons Procurement Navy.

NAVMAT FORM 7110.1	PROCUREMENT AMMUNITION, NAVY & MARINE CORPS BUDGET ITEM JUSTIFICATION SHEET	(DOD EXHIBIT P-40)	FEBRUARY 1997
BUDGET ACTIVITY 1 NAVY AMMUNITION	P-1 ITEM NOMENCLATURE CIWS GUN AMMUNITION		SUBHEAD NO. 81AE BLIN: 026000

RENOVATION COMPONENTS: 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 Conventional Ammunition Working Capital Fund (CAWCF) and the most recent CAWCF standard/non-standard price list has been used in pricing the ammo.

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS			WEAPONS SYSTEM COST ANALYSIS				(DOD EXHIBIT P-5)		FEBRUARY 1997	
BUDGET ACTIVITY 1 NAVY AMMUNITION			NARM CODE 026000		P-1 ITEM NOMENCLATURE CIWS GUN AMMUNITION				SUBHEAD NO. 81AE	
Cost Code	Element of Cost	Ident. Code	FY 96		FY 97		FY 98		FY 99	
			QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AE006	CTG. 20MM, PLASTIC DUMMY	A1PD					66000	363	100350	569
AE830	PRODUCTION ENGINEERING							104		101
AE895	NON-STANDARD ITEMS			93						
	TOTAL			93		0		467		670

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS		PROCUREMENT HISTORY & PLANNING				(DOD EXHIBIT P-5A)			FEBRUARY 1997			
BUDGET ACTIVITY 1 NAVY AMMUNITION		NARM CODE 026000			P-1 ITEM NOMENCLATURE CIWS GUN AMMUNITION						SUBHEAD NO. 81AE	
COST CODE	ELEMENT OF COST FISCAL YEAR	CONTRACTOR AND ADDRESS	CONTRACT METHOD AND TYPE	P/R CONTRACTED BY	RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW/WHEN	ARE SPECS REVS REQUIRED	IF YES WHEN AVAIL

AE006	CTG. 20MM, PLASTIC DUMMY A1PD											
	FY 1995	UNKNOWN	MIPR	ARDEC	Jun-96	Sep-96	Jul-97	250000	5.23	YES	NO	
	FY 1998	UNKNOWN	MIPR	ARDEC	Oct-97	Feb-98	Apr-99	66000	5.50	NO	YES	Jul-97
	FY 1999	UNKNOWN	MIPR	ARDEC	Oct-98	Feb-99	Apr-00	100350	5.67	NO	YES	Jul-98

NOTE: All items shown are priced with available GFM.

NAVMAT FORM 7110.1	PROCUREMENT AMMUNITION, NAVY & MARINE CORPS BUDGET ITEM JUSTIFICATION SHEET				(DOD EXHIBIT P-40)	FEBRUARY 1997		
BUDGET ACTIVITY 1 NAVY AMMUNITION			P-1 ITEM NOMENCLATURE 76MM GUN AMMUNITION			SUBHEAD NO. 81AF BLIN: 026500		
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY								
COST (In Millions \$)	6.3	2.7	3.4	3.8	5.0	4.7	4.8	4.9

ITEM DESCRIPTION/JUSTIFICATION:

The 76MM caliber cartridge is a fixed round of ammunition for use in the MK 75 gun mount. Its primary use is against air targets, but it may be used against surface and shore targets. The weapon system, the MK 75 gun mount and MK 92 fire control system, has been designated for use on guided missile frigates (FFG), and United States Coast Guard (USCG) ships. At the end of FY 98 there will be weapon systems installed on guided missile frigates (FFG) and United States Coast Guard (USCG) ships. There are also numerous barrels located at schools and engineering test sites.

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

PRODUCTION ENGINEERING: Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.

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

this program was transferred from Weapons Procurement Navy.

NAVMAT FORM 7110.1	PROCUREMENT AMMUNITION, NAVY & MARINE CORPS BUDGET ITEM JUSTIFICATION SHEET	(DOD EXHIBIT P-40)	FEBRUARY 1997
BUDGET ACTIVITY 1 NAVY AMMUNITION	P-1 ITEM NOMENCLATURE 76MM GUN AMMUNITION		SUBHEAD NO. 81AF BLIN: 026500

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 Conventional Ammunition Working Capital Fund (CAWCF) and the most recent CAWCF standard/non-standard price list has been used in pricing the ammo.

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS			WEAPONS SYSTEM COST ANALYSIS				(DOD EXHIBIT P-5)		FEBRUARY 1997	
BUDGET ACTIVITY 1 NAVY AMMUNITION			NARM CODE 026500		P-1 ITEM NOMENCLATURE 76MM GUN AMMUNITION				SUBHEAD NO. 81AF	
Cost Code	Element of Cost	Ident. Code	FY 96		FY 97		FY 98		FY 99	
			QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AF001	76MM BL+P	C062					5152	2684		
AF002	76MM HE-IR CTG	C060	3200	4451						
AF012	76MM MFF NON-FRAG	MFF1							1200	1105
AF013	76MM MFF-HE	MFF2			1152	1000			1950	1796
AF830	PRODUCTION ENGINEERING			844		767		417		565
AF850	PRODUCT IMPROVEMENT			841		545		202		208
AF893	RENOVATION COMPONENTS					207		75		77
AF894	GAUGE REQUIREMENTS			133		146		53		55
AF895	NON-STANDARD ITEMS			29		15		15		15
	TOTAL			6298		2680		3446		3821

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS		PROCUREMENT HISTORY & PLANNING				(DOD EXHIBIT P-5A)			FEBRUARY 1997			
BUDGET ACTIVITY 1 NAVY AMMUNITION		NARM CODE 026500		P-1 ITEM NOMENCLATURE 76MM GUN AMMUNITION						SUBHEAD NO. 81AF		
COST CODE	ELEMENT OF COST FISCAL YEAR	CONTRACTOR AND ADDRESS	CONTRACT METHOD AND TYPE	P/R CONTRACTED BY	RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW/WHEN	ARE SPECS REVS REQUIRED	IF YES WHEN AVAIL
AF001	76MM BL+P C062											
	FY 1995	CAAA; CRANE, IN	MIPR	AMCCOM DRSMC	Dec-94	Dec-94	Oct-96	8531	537.17	YES	NO	
	FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Dec-97	May-98	Nov-99	5152	521.00	NO	YES	Jul-97
AF012	76MM MFF NON-FRAG MFF1											
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Dec-98	Apr-99	Mar-01	1200	921.10	NO	YES	Jul-98
AF013	76MM MFF-HE MFF2											
	FY 1997	UNKNOWN	MIPR	AMCCOM DRSMC	Dec-96	Apr-97	Mar-99	1152	868.22	YES	NO	
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Dec-98	Apr-99	Mar-01	1950	921.10	NO	YES	Jul-98

NOTE: All items shown are priced with available GFM.

THIS PAGE LEFT INTENTIONALLY BLANK

NAVMAT FORM 7110.1	PROCUREMENT AMMUNITION, NAVY & MARINE CORPS BUDGET ITEM JUSTIFICATION SHEET				(DOD EXHIBIT P-40)	FEBRUARY 1997		
BUDGET ACTIVITY 1 NAVY AMMUNITION			P-1 ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION			SUBHEAD NO. 81AG BLIN: 027000		
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY								
COST (In Millions \$)	4.9	4.0	4.5	5.3	5.4	4.7	5.5	5.8

ITEM DESCRIPTION/JUSTIFICATION:

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.

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

PRODUCTION ENGINEERING: Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.

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

This program was transferred from Weapons Procurement Navy.

NAVMAT FORM 7110.1	PROCUREMENT AMMUNITION, NAVY & MARINE CORPS BUDGET ITEM JUSTIFICATION SHEET	(DOD EXHIBIT P-40)	FEBRUARY 1997
BUDGET ACTIVITY 1 NAVY AMMUNITION	P-1 ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION		SUBHEAD NO. 81AG BLIN: 027000

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 Conventional Ammunition Working Capital Fund (CAWCF) and the most recent CAWCF standard/non-standard price list has been used in pricing the ammo.

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS			WEAPONS SYSTEM COST ANALYSIS				(DOD EXHIBIT P-5)		FEBRUARY 1997	
BUDGET ACTIVITY 1 NAVY AMMUNITION		NARM CODE 027000		P-1 ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION				SUBHEAD NO. 81AG		
Cost Code	Element of Cost	Ident. Code	FY 96		FY 97		FY 98		FY 99	
			QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AG002	25MM CARTRIDGES									
	25MM, SAPHEI-T	A991							110000	2402
AG003	40MM CARTRIDGES (GRENADE)									
	40MM, BLANK, SALUTING	B650	9000	316	9000	234			9540	352
AG005	60MM CARTRIDGES									
	60MM, HE	B643					12680	1415	9480	1090
	60MM, SMOKE, WP	B646							3544	749
	60MM, ILLUM	B647	8688	3863	8216	3316	6300	2537		
AG830	PRODUCTION ENGINEERING			562		356		385		523
AG850	PRODUCT IMPROVEMENT			38		50		64		84
AG893	RENOVATION COMPONENTS					50		52		69
AG894	GAUGES			45		25		27		28
AG895	NON-STANDARD ITEMS			110		15		19		20
	TOTAL			4934		4046		4499		5317

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS		PROCUREMENT HISTORY & PLANNING					(DOD EXHIBIT P-5A)			FEBRUARY 1997		
BUDGET ACTIVITY 1 NAVY AMMUNITION		NARM CODE 027000			P-1 ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION						SUBHEAD NO. 81AG	
COST CODE	ELEMENT OF COST FISCAL YEAR	CONTRACTOR AND ADDRESS	CONTRACT METHOD AND TYPE	P/R CONTRACTED BY	RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW/WHEN	ARE SPECS REVS REQUIRED	IF YES WHEN AVAIL
AG002	25MM CARTRIDGES CTG, 25MM SAPHEI-T A991											
	FY 1993	ALLIANT	MIPR	AMCCOM DRSMC	Oct-92	Jul-95	Feb-97	443361	16.27	YES	NO	
	FY 1994	ALLIANT	MIPR	AMCCOM DRSMC	Oct-93	Jul-95	Dec-97	304314	16.27	YES	NO	
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Jan-99	Aug-00	110000	21.84	NO	YES	Jul-98
AG003	40MM CARTRIDGES (GRENADE) CTG, 40MM, BLANK, SAL (350 & 200 GRAMS) B650											
	FY 1994	MILAN AAP	MIPR	AMCCOM DRSMC	Dec-93	Feb-94	Aug-95	2062	62.38	YES	NO	
	FY 1996	UNKNOWN	MIPR	AMCCOM DRSMC	Feb-96	Jul-96	Sep-97	9000	35.11	YES	NO	
	FY 1997	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-96	Jan-97	Nov-97	9000	25.95	YES	NO	
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Jan-99	Nov-99	9540	36.89	NO	YES	Jul-98
AG005	60MM CARTRIDGES CTG. 60MM, HE B643											
	FY 1993	MILAN AAP	MIPR	AMCCOM DRSMC	Dec-92	Feb-93	Dec-95	8016	77.16	YES	NO	
	FY 1995	MILAN AAP	MIPR	AMCCOM DRSMC	Dec-94	Mar-95	Oct-96	25264	82.63	YES	NO	
	FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Jan-98	Oct-99	12680	111.60	NO	YES	Jul-97
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Jan-99	Oct-00	9480	115.01	NO	YES	Jul-98

NOTE: All items shown are priced with available GFM.

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS			PROCUREMENT HISTORY & PLANNING					(DOD EXHIBIT P-5A)			FEBRUARY 1997	
BUDGET ACTIVITY 1 NAVY AMMUNITION		NARM CODE 027000			P-1 ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION						SUBHEAD NO. 81AG	
COST CODE	ELEMENT OF COST FISCAL YEAR	CONTRACTOR AND ADDRESS	CONTRACT METHOD AND TYPE	P/R CONTRACTED BY	RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW/WHEN	ARE SPECS REVS REQUIRED	IF YES WHEN AVAIL

AG005 60MM CARTRIDGES

CTG. 60MM, SMOKE, WP B646/B630#

FY 1991#	MILAN AAP	MIPR	AMCCOM DRSMC	Jan-91	Mar-91	Nov-95	20229	67.00	YES	NO	
FY 1993	MILAN AAP	MIPR	AMCCOM DRSMC	Jan-93	Nov-93	Aug-96	12784	120.26	YES	NO	
FY 1995	PINE BLUFF AAP	MIPR	AMCCOM DRSMC	Dec-94	Apr-95	Aug-96	7900	138.28	YES	NO	
FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Jan-99	Oct-00	3544	211.32	NO	YES	Jul-98

CTG. 60MM, ILLUM B647

FY 1993	PINE BLUFF AAP	MIPR	AMCCOM DRSMC	Dec-92	Mar-93	Oct-96	3216	244.98	YES	NO	
FY 1995	PINE BLUFF AAP	MIPR	AMCCOM DRSMC	Mar-95	Sep-95	Apr-97	13056	372.11	YES	NO	
FY 1996	UNKNOWN	MIPR	AMCCOM DRSMC	Feb-96	Feb-96	Jul-97	8688	444.55	YES	NO	
FY 1997	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-96	Apr-97	Oct-98	8216	403.56	YES	NO	
FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Apr-98	Oct-99	6300	402.75	NO	YES	Jul-97

NOTE: All items shown are priced with available GFM.

THIS PAGE LEFT INTENTIONALLY BLANK

NAVMAT FORM 7110.1	PROCUREMENT AMMUNITION, NAVY & MARINE CORPS BUDGET ITEM JUSTIFICATION SHEET				(DOD EXHIBIT P-40)	FEBRUARY 1997		
BUDGET ACTIVITY 1 NAVY AMMUNITION			P-1 ITEM NOMENCLATURE SMALL ARMS AND LANDING PARTY AMMUNITION			SUBHEAD NO. 81AH BLIN: 033500		
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY								
COST (In Millions \$)	5.7	3.1	7.8	7.9	8.3	9.1	9.3	9.5

ITEM DESCRIPTION/JUSTIFICATION:

This program provides ammunition in support of active Navy ships and for active and reserve ashore warfare forces including: mobile construction battalions (MCB), amphibious construction battalion (ACB) and fleet combat readiness groups, inshore undersea warfare groups and several other type operational units.

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

PRODUCTION ENGINEERING: Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.

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

This program was transferred from Weapons Procurement Navy.

NAVMAT FORM 7110.1	PROCUREMENT AMMUNITION, NAVY & MARINE CORPS BUDGET ITEM JUSTIFICATION SHEET	(DOD EXHIBIT P-40)	FEBRUARY 1997
BUDGET ACTIVITY 1 NAVY AMMUNITION	P-1 ITEM NOMENCLATURE SMALL ARMS AND LANDING PARTY AMMUNITION		SUBHEAD NO. 81AH BLIN: 033500

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 Conventional Ammunition Working Capital Fund (CAWCF) and the most recent CAWCF standard/non-standard price list has been used in pricing the ammo.

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS		WEAPONS SYSTEM COST ANALYSIS				(DOD EXHIBIT P-5)		FEBRUARY 1997		
BUDGET ACTIVITY 1 NAVY AMMUNITION		NARM CODE 033500		P-1 ITEM NOMENCLATURE SMALL ARMS AND LANDING PARTY AMMUNITION				SUBHEAD NO. 81AH		
Cost Code	Element of Cost	Ident. Code	FY 96		FY 97		FY 98		FY 99	
			QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AH100	SHOTGUN CARTRIDGES									
	CTG. 12 GA, NO.00	A011							1350000	445
AH150	GRENADES/MINES									
	CAPSULE, RIOT CONTROL AGENT	K765	40000	24						
AH200	5.56MM CARTRIDGES									
	CTG. 5.56MM, BALL, M855	A059	6029279	2351						
AH400	7.62MM CARTRIDGES									
	CTG. 7.62MM, LKD, BALL & TRACER	A131					1260395	756		
	CTG. 7.62MM, BALL, LINKED M80	A143					1000000	560	1000000	580
	CTG. 7.62MM, DIM TRACE M80/M276	A257	949694	769	432000	376	3500000	1925	1000000	570
AH500	9MM CARTRIDGES									
	CTG. 9MM, 147 GR. SUBSONIC	A260							500000	130
	CTG. 9MM, DUMMY, M917	A359	74700	28						
	CTG. 9MM, BALL	A363	9996000	1500	11000000	1430	10000000	1500	14000000	2100
	CTG. 9MM, BLANK	TBA	11378	12	7300	8				
	SUBTOTAL			4684		1814		4741		3825

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS			WEAPONS SYSTEM COST ANALYSIS				(DOD EXHIBIT P-5)		FEBRUARY 1997	
BUDGET ACTIVITY 1 NAVY AMMUNITION			NARM CODE 033500		P-1 ITEM NOMENCLATURE SMALL ARMS AND LANDING PARTY AMMUNITION				SUBHEAD NO. 81AH	
Cost Code	Element of Cost	Ident. Code	FY 96		FY 97		FY 98		FY 99	
			QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AH700	.45 CAL CARTRIDGES									
	CTG. .45 CAL, BALL, WADCUTTER	A470	206400	56			220000	55	220000	57
	CTG. .45 CAL, BALL, M1911, MAT	A483	255411	51	220000	42				
AH800	.50 CAL CARTRIDGES									
	CTG. .50 CAL, LINKED, BALL	A555	52100	128			400000	760	250000	485
	CTG. .50 CAL, LINKED & TRACER	A557			200000	548			733153	1569
	CTG. .50 CAL, MK 211, APIT, M2	AA06					419293	1296	316605	1007
AH830	PRODUCTION ENGINEERING			275		288		400		405
AH850	PRODUCT IMPROVEMENT			103		106		110		113
AH893	RENOVATION COMPONENTS			78						
AH895	NON-STANDARD ITEMS			105		109		219		230
AH350	MATCH AMMO			212		153		175		180
	SUBTOTAL			1008		1246		3015		4046
	TOTAL			5692		3060		7756		7871

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS			PROCUREMENT HISTORY & PLANNING				(DOD EXHIBIT P-5A)			FEBRUARY 1997		
BUDGET ACTIVITY 1 NAVY AMMUNITION		NARM CODE 033500			P-1 ITEM NOMENCLATURE SMALL ARMS AND LANDING PARTY AMMUNITION						SUBHEAD NO. 81AH	
COST CODE	ELEMENT OF COST FISCAL YEAR	CONTRACTOR AND ADDRESS	CONTRACT METHOD AND TYPE	P/R CONTRACTED BY	RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW/WHEN	ARE SPECS REVS REQUIRED	IF YES WHEN AVAIL
AH100	SHOTGUN CARTRIDGES CTG. 12 GA. NO. 00 A011 FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Feb-99	Aug-99	1350000	0.33	NO	YES	Jul-98
AH400	7.62MM CARTRIDGES CTG. 7.62MM, LKD, BALL & TRACER A131 FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Dec-97	Nov-98	1260395	0.60	NO	YES	Jul-97
	CTG. 7.62MM BALL, LINKED M80 A143 FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Dec-97	Nov-98	1000000	0.56	NO	YES	Jul-97
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Dec-98	Nov-99	1000000	0.58	NO	YES	Jul-98
	CTG. 7.62MM DIM TRACE M80/M276 A257 FY 1996	LCAAP	MIPR	AMCCOM DRSMC	Apr-96	Apr-96	Oct-96	949694	0.81	YES	NO	
	FY 1997	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-96	Dec-96	Nov-97	432000	0.87	YES	NO	
	FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Dec-97	Nov-98	3500000	0.55	NO	YES	Jul-97
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Dec-98	Nov-99	1000000	0.57	NO	YES	Jul-98

NOTE: All items shown are priced with available GFM.

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS		PROCUREMENT HISTORY & PLANNING				(DOD EXHIBIT P-5A)				FEBRUARY 1997		
BUDGET ACTIVITY 1 NAVY AMMUNITION		NARM CODE 033500			P-1 ITEM NOMENCLATURE SMALL ARMS AND LANDING PARTY AMMUNITION						SUBHEAD NO. 81AH	
COST CODE	ELEMENT OF COST FISCAL YEAR	CONTRACTOR AND ADDRESS	CONTRACT METHOD AND TYPE	P/R CONTRACTED BY	RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW/WHEN	ARE SPECS REVS REQUIRED	IF YES WHEN AVAIL
AH500	9MM CARTRIDGES											
	CTG. 9MM 147 GR. SUBSONIC, JHP A260											
	FY 1995	FEDEAL CART.	COMM	NSWC CRANE	Dec-94	May-96	Oct-96	2555684	0.26	YES	NO	
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Feb-99	Aug-99	500000	0.26	NO	YES	Jul-98
	CTG. 9MM BALL A363											
	FY 1994	OLIN CORPORATION	MIPR	AMCCOM DRSMC	May-96	Jun-96	Mar-97	2492000	0.15	YES	NO	
	FY 1995	OLIN CORPORATION	MIPR	AMCCOM DRSMC	Dec-94	Dec-94	Dec-95	16384509	0.16	YES	NO	
	FY 1996	OLIN CORPORATION	MIPR	AMCCOM DRSMC	Nov-95	Dec-95	Jul-96	9996000	0.15	YES	NO	
	FY 1997	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-96	Feb-97	Aug-97	11000000	0.13	YES	NO	
	FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Feb-98	Aug-98	10000000	0.15	NO	YES	Jul-97
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Feb-99	Aug-99	14000000	0.15	NO	YES	Jul-98
AH700	.45 CAL CARTRIDGES											
	CTG. .45 CAL, BALL, WADCUTTER, MG A470											
	FY 1996	UNKNOWN	COMM	NSWC CRANE	Feb-96	Sep-96	Feb-97	293000	0.27	YES	NO	
	FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Feb-98	Aug-98	220000	0.25	NO	YES	Jul-97
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Feb-99	Aug-99	220000	0.26	NO	YES	Jul-98

NOTE: All items shown are priced with available GFM.

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS			PROCUREMENT HISTORY & PLANNING				(DOD EXHIBIT P-5A)			FEBRUARY 1997		
BUDGET ACTIVITY 1 NAVY AMMUNITION		NARM CODE 033500			P-1 ITEM NOMENCLATURE SMALL ARMS AND LANDING PARTY AMMUNITION						SUBHEAD NO. 81AH	
COST CODE	ELEMENT OF COST FISCAL YEAR	CONTRACTOR AND ADDRESS	CONTRACT METHOD AND TYPE	P/R CONTRACTED BY	RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW/WHEN	ARE SPECS REVS REQUIRED	IF YES WHEN AVAIL

AH800 .50 CAL CARTRIDGES												
CTG. .50 CAL. LKD, BALL A555												
	FY 1995	LCAAP	MIPR	AMCCOM DRSMC	Dec-94	Dec-95	May-96	51400		YES	NO	
	FY 1996	LCAAP	MIPR	AMCCOM DRSMC	Apr-96	Jul-96	Oct-96	52100	2.45	YES	NO	
	FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Dec-97	Nov-98	400000	1.90	NO	YES	Jul-97
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Dec-98	Nov-99	250000	1.94	NO	YES	Jul-98
CTG. .50 CAL. LKD & TRACER A557												
	FY 1997	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-96	Dec-96	Nov-97	200000	2.74	YES	NO	
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Dec-98	Nov-99	733153	2.14	NO	YES	Jul-98
CTG. .50 CAL. MK 211, APIT, M2 AA06												
	FY 1993	CRANE NAVY	COMM	NSWC CRANE	Dec-92	Apr-94	Dec-96	773885	3.56	YES	NO	
	FY 1994	CRANE NAVY	COMM	NSWC CRANE	Dec-93	Apr-94	Oct-96	1309614	3.56	YES	NO	
	FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Dec-97	Nov-98	419293	3.09	NO	YES	Jul-97
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Dec-98	Nov-99	316605	3.18	NO	YES	Jul-98

NOTE: All items shown are priced with available GFM.

Appropriation Date
PROCUREMENT AMMUNITION NAVY & MARINE CORPS **FEBRUARY 1997**
 Production Schedule

Budget Activity Subhead No.
1 NAVY AMMUNITION **81AH**
 P-1 Item Nomenclature
SMALL ARMS AND LANDING PARTY AMMUNITION

Cost Code	Item/Mtr	Prj Yr	U / M	S e r v	Prog Qty	Oct 1		Fiscal Year 1997												Fiscal Year 1998												Fiscal Year 1999									Later			
						Acc Prior	Bal Due	CY 96			Calendar Year 1997												Calendar Year 1998												Calendar Year 1999									
								Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun		Jul	Aug	Sep
								1997	1997																																			
AH800	A260 - .50 CAL CTG																																											
	FEBEAL CART	95	M	N	1.5	NONE	1.5	1.0	.5																																			
	UNK	99	M	N	.5	NONE	.5																																		.5			
	TOTALS				2.0		2.0	1.0	.5																																.5			

Manufacture's Name and Location	Production Rates			Reached D+
	Min Sust.	1-8-5	Max	
FEBEAL CART	500000	100000	2000000	

	Procurement Lead Time			
	Admin Lead Time		Manu- facturing time	Total after 1-Oct
	Prior 1-Oct	After 1-Oct		
Initial	4	4	6	10
Reorder (Previous Source)	4	4	6	10
		P-1 Item Shopp List Item No	Page No	
		15	9	

Remarks:

THIS PAGE LEFT INTENTIONALLY BLANK

NAVMAT FORM 7110.1	PROCUREMENT AMMUNITION, NAVY & MARINE CORPS BUDGET ITEM JUSTIFICATION SHEET				(DOD EXHIBIT P-40)	FEBRUARY 1997		
BUDGET ACTIVITY 1 NAVY AMMUNITION			P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION MATERIAL			SUBHEAD NO. 81AJ BLIN: 034000		
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY								
COST (In Millions \$)	11.0	9.9	10.2	10.8	11.2	10.8	11.2	11.5

ITEM DESCRIPTION/JUSTIFICATION:

This program provides pyrotechnics and demolition materials for all active naval vessels, amphibious and mobile construction battalions, mobile diving and salvage units, cargo handling and port groups, naval security groups, fleet composite operational readiness groups (formerly beachjumper unit (BJU's)) and explosive ordnance disposal groups/mobile units/detachments/teams. This program also provides materials to support the ship shock test program.

Pyrotechnics are required to support the surface, air, ground, and underwater Navy requirements. These items consist of illumination, signalling, identification, and location devices using flare or smoke as the primary signalling agent. Pyrotechnics are used for training, combat exercises, submarine rescue and personnel search and rescue operations. Demolitions consist of explosive devices and accessories and are required for fleet units to perform training functions and operations/requirements. Fleet requirements are based upon CNO approved allowance lists for special needs on a case by case basis and worldwide fleet expenditure.

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

PRODUCTION ENGINEERING: Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.

This program was transferred from Weapons Procurement Navy.

NAVMAT FORM 7110.1	PROCUREMENT AMMUNITION, NAVY & MARINE CORPS BUDGET ITEM JUSTIFICATION SHEET	(DOD EXHIBIT P-40)	FEBRUARY 1997
BUDGET ACTIVITY 1 NAVY AMMUNITION	P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION MATERIAL		SUBHEAD NO. 81AJ BLIN: 034000

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

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

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

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

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

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS			WEAPONS SYSTEM COST ANALYSIS				(DOD EXHIBIT P-5)		FEBRUARY 1997	
BUDGET ACTIVITY 1 NAVY AMMUNITION			NARM CODE 034000		P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION				SUBHEAD NO. 81AJ	
Cost Code	Element of Cost	Ident. Code	FY 96		FY 97		FY 98		FY 99	
			QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AJ100	SIGNALS									
	SIGNAL KIT, PERS DISTRESS	L118					14790	449		
	SIGNAL, HAND FIRED KIT, VARIATION	L131					7140	143		
	SIGNAL, ILLUM, MARINE, RED	L191					18936	2407		
	SIGNAL, ILLUM, MARINE, YELLOW	L192					18936	2407		
	SIGNAL, ILLUM, MARINE RED STA	L193					9768	702		
	SIGNAL, SMOKE, MK 2, RED ROCKET	L201					9768	702		
	SIGNAL, SMOKE ILLUM, MARINE, GREEN	L269				1700	977			
	SIGNAL, SMOKE ILLUM, MARINE, DISTRESS	L283	15435	700	16000	621				
AJ200	TRAINING DEVICES									
	SIM, PROJ, AIRBURST, M74	L366			10000	216				
	SIM, HAND GRENADE	L601	3000	10	3000	10				
AJ300	MINE, CHGS, AND CHG CONTAINERS									
	CHG, ASSY, DEML, M183/37	M757			2500	1512				
	CHG, DEML, SHAPED, FLEX-LIN (30)	ML10			400	8				
	CHG, DEML, SHAPED, FLEX-LIN (60)	ML12			1000	41				
	CHG, DEML, SHAPED, FLEX-LIN (225)	ML15			600	28				
	CHG, DEML, SHAPED, FLEX-LIN (300)	ML16							1500	39
	CHG, DEML, SHAPED, FLEX-LIN (400)	ML17			400	22				
	CHG, DEML, SHAPED, FLEX-LIN (600)	ML19			700	31				
	CHG, BOOSTER, 20 GM, MK 140	MM30							20160	54
	SUBTOTAL			710		3466		6810		93

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS			WEAPONS SYSTEM COST ANALYSIS				(DOD EXHIBIT P-5)		FEBRUARY 1997	
BUDGET ACTIVITY 1 NAVY AMMUNITION			NARM CODE 034000		P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION				SUBHEAD NO. 81AJ	
Cost Code	Element of Cost	Ident. Code	FY 96		FY 97		FY 98		FY 99	
			QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AJ300	MINE, CHGS, AND CHG CONTAINERS CONT.									
	MINE NEUTRALIZATION CHARGE	MNC1	605	3379	220	1100				
	SELECTABLE LIGHTWEIGHT ATT. MUNITION	SLAM			235	319				
AJ500	DET CORD, CAPS, AND FUZES									
	DETONATING DELAY ELEMENT MK 27	DWAV			3000	43				
	DETONATING DELAY ELEMENT MK 29	DWAX			3000	44				
	DETONATING DELAY ELEMENT MK 30	DWAY			3000	44				
	LEAD PROTECTOR/ADAPTER MK 177	DWBY					10000	51		
	CORD, DETONATING, PRIMACORD, PETN	M456			300000	48			450000	90
	FUZE, BLASTING, TIME	M670			200000	28	250000	35	250000	35
	NON-ELEC DET W/IN-LINE INITIATOR	MMX2			18079	2014				
	NON-ELEC DET W/IN-LINE INITIATOR	MMX3					10000	320		
	FIRING DEVICE, TIME DELAY	MN11	5200	3236						
	STI FIRING DEVICE MK 54 (DUAL)	MN14			5000	490				
	TRUNK LINE	NXXX	3000	1235					3300	1485
	ACOUSTIC FIRING SYSTEM	NZZZ							75	3209
	SUBTOTAL			7850		4130		406		4819

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS		WEAPONS SYSTEM COST ANALYSIS				(DOD EXHIBIT P-5)		FEBRUARY 1997		
BUDGET ACTIVITY 1 NAVY AMMUNITION		NARM CODE 034000		P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION				SUBHEAD NO. 81AJ		
Cost Code	Element of Cost	Ident. Code	FY 96		FY 97		FY 98		FY 99	
			QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AJ600	CUTTERS AND CARTRIDGES									
	BOLT, EXPL. MK 5/0	M254							104	1023
	CTG. IMPULSE, MK 148/0	M663					100	82		
	CHG, XPL CUT, TAPE, 63 GM/MT	MM24					10080	149		
	CTG. 50 CAL, MK 209	SS01	10000	330					4004	142
AJ700	SHOCK TEST CHARGE									
	SHOCK TEST CHARGE, 10000 LB	6W57					10	557		
	BOOSTER CONT F/1200 LB SHOCK TEST	9W49					20	85		
	SHOCK TEST CHARGE, 1200 LB	9W81					12	105		
	SHOCK TEST CHARGE, 60 LB	XW65	100	143	100	110	100	112	100	115
AJ800	OTHER PYRO/DEMO ITEMS									
	PENETRATION AUGMENT MUNITION	PAM							355	2485
AJ830	PRODUCTION ENGINEERING			780		825		745		918
AJ850	PRODUCT IMPROVEMENT			730		950		800		824
AJ893	RENOVATION COMPONENTS			223		183		150		154
AJ894	GAUGE REQUIREMENTS			50		50		40		41
AJ895	NON-STANDARD ITEMS			200		204		175		180
	SUBTOTAL			2456		2322		3000		5882
	TOTAL			11016		9918		10216		10794

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS			PROCUREMENT HISTORY & PLANNING					(DOD EXHIBIT P-5A)			FEBRUARY 1997	
BUDGET ACTIVITY 1 NAVY AMMUNITION		NARM CODE 034000			P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION						SUBHEAD NO. 81AJ	
COST CODE	ELEMENT OF COST FISCAL YEAR	CONTRACTOR AND ADDRESS	CONTRACT METHOD AND TYPE	P/R CONTRACTED BY	RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW/WHEN	ARE SPECS REVS REQUIRED	IF YES WHEN AVAIL
AJ100	SIGNALS SIGNAL KIT, PERS DISTRESS L118 FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Apr-98	May-99	14790	30.35	NO	YES	Jul-97
	SIGNAL, HAND FIRED KIT, VARIATION L131 FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Apr-98	Aug-99	7140	19.91	NO	YES	Jul-97
	SIGNAL, ILLUM, MARINE, RED L191 FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Feb-98	Apr-99	18936	127.11	NO	YES	Jul-97
	SIGNAL, ILLUM, MARINE, YELLOW L192 FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Feb-98	Apr-99	18936	127.11	NO	YES	Jul-97
	SIGNAL, ILLUM, MARINE, RED STA L193 FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Feb-98	Apr-99	9768	71.92	NO	YES	Jul-97
	SIGNAL, SMOKE, MK 2, RED ROCKET L201 FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Feb-98	Apr-99	9768	71.92	NO	YES	Jul-97
AJ300	MINE, CHGS, AND CHG CONTAINERS CHG, DEML, SHAPED, FLEX-LIN ML16 FY 1993	TAAS ISRAEL	MIPR	AMCCOM DRSMC	Feb-94	Sep-94	Dec-95	1410	32.78	YES	NO	
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Apr-99	Sep-00	1500	25.89	NO	YES	Jul-98

NOTE: All items shown are priced with available GFM.

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS		PROCUREMENT HISTORY & PLANNING				(DOD EXHIBIT P-5A)			FEBRUARY 1997			
BUDGET ACTIVITY 1 NAVY AMMUNITION		NARM CODE 034000		P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION							SUBHEAD NO. 81AJ	
COST CODE	ELEMENT OF COST FISCAL YEAR	CONTRACTOR AND ADDRESS	CONTRACT METHOD AND TYPE	P/R CONTRACTED BY	RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW/WHEN	ARE SPECS REVS REQUIRED	IF YES WHEN AVAIL
AJ300	MINE, CHGS, AND CHG CONTAINERS CONT. CHG, BOOSTER, 20 GM, MK 140 MM30											
	FY 1993	ENSIGN BICKFORD	MIPR	NSWC CRANE	May-95	Jun-95	Dec-96	18000	1.89	YES	NO	
	FY 1994	ENSIGN BICKFORD	MIPR	NSWC CRANE	Dec-93	Apr-95	Jul-96	16800	1.75	YES	NO	
	FY 1999	UNKNOWN	MIPR	NSWC CRANE	Oct-98	Apr-99	Sep-00	20160	2.68	NO	YES	Jul-98
AJ500	DET CORD, CAPS, AND FUZES LEAD PROTECTOR/ADAPTER MK 177 DWBY											
	FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Apr-98	Apr-99	10000	5.15	NO	YES	Jul-97
	CORD, DETONATING, PRIMACORD, PETN M456											
	FY 1997	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-96	Apr-97	Nov-97	300000	0.16	YES	NO	
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Apr-99	Nov-99	450000	0.20	NO	YES	Jul-98
	FUZE, BLASTING, TIME M670											
	FY 1997	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-96	Jan-97	Aug-97	200000	0.14	YES	NO	
	FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Jan-98	Aug-98	250000	0.14	NO	YES	Jul-97
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Jan-99	Aug-99	250000	0.14	NO	YES	Jul-98
	NON-ELEC DET W/IN-LINE INITIATOR MMX3											
	FY 1998	UNKNOWN	MIPR	NSWC CRANE	Oct-97	Apr-98	Sep-99	10000	32.00	NO	YES	Jul-97

NOTE: All items shown are priced with available GFM.

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS			PROCUREMENT HISTORY & PLANNING					(DOD EXHIBIT P-5A)			FEBRUARY 1997	
BUDGET ACTIVITY 1 NAVY AMMUNITION		NARM CODE 034000			P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION						SUBHEAD NO. 81AJ	
COST CODE	ELEMENT OF COST FISCAL YEAR	CONTRACTOR AND ADDRESS	CONTRACT METHOD AND TYPE	P/R CONTRACTED BY	RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW/WHEN	ARE SPECS REVS REQUIRED	IF YES WHEN AVAIL
AJ500	DET CORD, CAPS, AND FUZES CONT. TRUNK LINE NXXX											
	FY 1996	UNKNOWN	MIPR	NSWC CRANE	Feb-96	Sep-96	Feb-97	3000	411.80	YES	NO	
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Dec-98	May-00	3300	449.98	NO	YES	Jul-98
	ACOUSTIC FIRING SYSTEM NZZZ											
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Feb-99	Oct-00	75	42792.38	NO	YES	Jul-98
AJ600	CUTTERS AND CARTRIDGES BOLT, EXPL, MK 5/0 M254											
	FY 1993	QUANTIC INDUSTRIES	MIPR	NOC IMSD	Apr-93	Sep-95	Oct-97	60	3068.39	YES	NO	
	FY 1999	UNKNOWN	MIPR	NOC IMSD	Oct-98	Feb-99	Oct-00	104	9840.00	NO	YES	Jul-98
	CTG, IMPULSE, MK 148/0 M663											
	FY 1998	UNKNOWN	MIPR	NOC IMSD	Oct-97	Feb-98	Oct-99	100	814.00	NO	YES	Jul-97
	CHG, XPL CUT, TAPE, 63 GM/MT MM24											
	FY 1993	ENSIGN BICKFORD	MIPR	AMCCOM DRSMC	Dec-92	May-93	Dec-95	7920	15.32	YES	NO	
	FY 1998	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Apr-98	Jul-99	10080	14.80	NO	YES	Jul-97
	CTG, 50 CAL, MK 209 SS01											
	FY 1995	UNKNOWN	MIPR	NSWC CRANE	Dec-94	Sep-97	Jan-98	10000	30.00	YES	NO	
	FY 1996	UNKNOWN	MIPR	NSWC CRANE	Feb-96	Sep-97	Jan-98	10000	33.00	YES	NO	
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Feb-99	Feb-00	4004	35.33	NO	YES	Jul-98

NOTE: All items shown are priced with available GFM.

APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS			PROCUREMENT HISTORY & PLANNING					(DOD EXHIBIT P-5A)			FEBRUARY 1997	
BUDGET ACTIVITY 1 NAVY AMMUNITION		NARM CODE 034000			P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOLITION						SUBHEAD NO. 81AJ	
COST CODE	ELEMENT OF COST FISCAL YEAR	CONTRACTOR AND ADDRESS	CONTRACT METHOD AND TYPE	P/R CONTRACTED BY	RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW/WHEN	ARE SPECS REVS REQUIRED	IF YES WHEN AVAIL

AJ700	SHOCK TEST CHARGES											
	SHOCK TEST CHARGE, 10000 LB 6W57											
FY 1998		UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Feb-98	Apr-99	10	55690.55	NO	YES	Jul-97
	BOOSTER CONT F/1200 LB SHOCK TEST 9W49											
FY 1993		CRANE AAA	MIPR	AMCCOM DRSMC	Mar-93	Jun-93	Jun-95	5	2494.00	YES	NO	
FY 1998		UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Jan-98	Jun-99	20	4244.36	NO	YES	Jul-97
	SHOCK TEST CHARGE, 1200 LB 9W81											
FY 1998		UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Jan-98	Jun-99	12	8712.49	NO	YES	Jul-97
	SHOCK TEST CHARGE, 60 LB XW65											
FY 1996		CRANE AAA	MIPR	AMCCOM DRSMC	Apr-96	May-96	Nov-97	100	1427.85	YES	NO	
FY 1997		UNKNOWN	MIPR	AMCCOM DRSMC	Jan-97	Mar-97	Sep-98	100	1099.93	YES	NO	
FY 1998		UNKNOWN	MIPR	AMCCOM DRSMC	Oct-97	Dec-97	May-99	100	1124.35	NO	YES	Jul-97
FY 1999		UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Dec-98	May-00	100	1149.31	NO	YES	Jul-98
AJ800	OTHER PYRO AND DEMO ITEMS											
	PENETRATION AUGMENT MUNITION PAM											
FY 1999		UNKNOWN	MIPR	ARDEC	Oct-98	Feb-99	Oct-00	355	7000.00	NO	YES	Jul-98

NOTE: All items shown are priced with available GFM.

Appropriation PROCUREMENT AMMUNITION NAVY & MARINE CORPS	Production Schedule	Date FEBRUARY 1997
--	---------------------	------------------------------

Budget Activity 1 NAVY AMMUNITION	P-1 Item Nomenclature PYROTECHNICS AND DEMOLITION MATERIAL	Subhead No. 81AJ
---	--	----------------------------

Cost Code	Item/Mfr	Prj Yr	U / M	S e r v	Prog Qty	Oct 1		Fiscal Year 1997												Fiscal Year 1998												Fiscal Year 1999												Later														
						Acc	Bal	CY 96			Calendar Year 1997									Calendar Year 1998									Calendar Year 1999																													
						Prior	Due	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep															
						1997	1997																																																			
AJ300	MM30 - CHG, BOOSTER, 20 GM, MK 140																																																									
	ENSIGN BICKFORD	93	K	N	18.0		18.0																																																			
	ENSIGN BICKFORD	94	K	N	16.8	15.4	1.4																																																			
	UNK	99	K	N	20.2		20.2																																																			
	TOTALS				55.0	15.4	39.6																																																			

Manufacture's Name and Location	Production Rates			Reached D+	Procurement Lead Time				Remarks:	
	Min Sust.	1-8-5	Max		Admin Lead Time		Manu- facturing time	Total after 1-Oct		
					Prior 1-Oct	After 1-Oct				
ENSIGN BICKFORD	5000	10000	20000							
ENSIGN BICKFORD	5000	10000	20000		6	6	17	23		
								0		
					P-1 Item Shopp List Item No			Page No		
					16			10		

Appropriation **PROCUREMENT AMMUNITION NAVY & MARINE CORPS** Production Schedule Date **FEBRUARY 1997**

Budget Activity **1 NAVY AMMUNITION** P-1 Item Nomenclature **PYROTECHNICS AND DEMOLITION MATERIAL** Subhead No. **81AJ**

Cost Code	Item/Mtr	Prj Yr	U / M	S e r v	Prog Qty	Oct 1		Fiscal Year 2000												Fiscal Year 2001												Fiscal Year 2002												Later		
						Acc	Bal	CY 99		Calendar Year 2000												Calendar Year 2001												Calendar Year 2002												
						Prior	Due	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep			
						2000	2000																																							
AJ300	MM30 - CHG, BOOSTER, 20 GM, MK 140																																													
	ENSIGN BICKFORD	93	K	N	18.0	18.0																																								
	ENSIGN BICKFORD	94	K	N	16.8	1.4	15.4																																							
	UNK	99	K	N	20.2	20.2										10.0	10.0	.2																												
	TOTALS				55.0	19.4	35.6									10.0	10.0	.2																												

Manufacturer's Name and Location	Production Rates			Reached D+	Procurement Lead Time				Remarks:
	Min Sust.	1-8-5	Max		Admin Lead Time		Manu- facturing time	Total after 1-Oct	
ENSIGN BICKFORD	5000	10000	20000		Prior 1-Oct	After 1-Oct			
ENSIGN BICKFORD	5000	10000	20000		6	6	17	23	
								0	
					P-1 Item Shopp List Item No			Page No	
					16			11	

Appropriation	Production Schedule	Date
PROCUREMENT AMMUNITION NAVY & MARINE CORPS		FEBRUARY 1997

Budget Activity	P-1 Item Nomenclature	Subhead No.
1 NAVY AMMUNITION	PYROTECHNICS AND DEMOLITION MATERIAL	81AJ

Cost Code	Item/Mtr	Prj Yr	U / M	S e r v	Prog Qty	Oct 1		Fiscal Year 1997												Fiscal Year 1998												Fiscal Year 1999									Later			
						Acc	Bal	C'Y 96			Calendar Year 1997									Calendar Year 1998									Calendar Year 1999															
						Prior	Due	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun		Jul	Aug	Sep
						1997	1997																																					
AJ500	DWBY - LEAD PROTECTOR/ADAPTER																																											
	UNK	98	K	N	10.0	10.0																																						
	TOTALS				10.0	10.0																																						

Manufacture's Name and Location	Production Rates			Reached D+	Procurement Lead Time				Remarks:
	Min Sust.	1-8-5	Max		Admin Lead Time	Manu- facturing time	Total after 1-Oct	P-1 Item Shopp List Item No	
UNK	5000	10000	20000	Prior 1-Oct					
				6	6	12	18		
							0		
					16		12		

Appropriation: **Production Schedule** Date: **FEBRUARY 1997**
PROCUREMENT AMMUNITION NAVY & MARINE CORPS

Budget Activity: **1 NAVY AMMUNITION** P-1 Item Nomenclature: **PYROTECHNICS AND DEMOLITION MATERIAL** Subhead No.: **81AJ**

Cost Code	Item/Mfr	Prgr Yr	U / M	S e r v	Prog Qty	Oct 1		Fiscal Year 2000												Fiscal Year 2001												Fiscal Year 2002												Later		
						Acc	Bal	CY 99			Calendar Year 2000									Calendar Year 2001									Calendar Year 2002																	
						Prior	Due	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep			
						2000	2000																																							
AJ600	M254 - CUTTERS & CTG																																													
	QUANTIC INDUSTRIES	93	EA	N	60.0	60.0																																								
	UNK	99	EA	N	104.0	104.0											25.0	25.0	25.0	29.0																										
	TOTALS				164.0	60.0	104.0										25.0	25.0	25.0	29.0																										
AJ600	M663 - CUTTERS & CTG																																													
	UNK	98	EA	N	100.0	100.0	25.0	25.0	25.0	25.0																																				
	TOTALS				100.0	100.0	25.0	25.0	25.0	25.0																																				

Manufacture's Name and Location QUANTIC INDUSTRIES	Production Rates			Reached D+	Procurement Lead Time				Remarks:
	Min Sust.	1-8-5	Max		Admin Lead Time		Manu- facturing time	Total after 1-Oct	
					Prior 1-Oct	After 1-Oct			
	10	25	100		4	4	20	24	
				Initial Reorder (Previous Source)				0	
				P-1 Item Shopp List Item No		Page No			
				16		18			

Appropriation	Production Schedule	Date
PROCUREMENT AMMUNITION NAVY & MARINE CORPS		FEBRUARY 1997

Budget Activity	P-1 Item Nomenclature	Subhead No.
1 NAVY AMMUNITION	PYROTECHNICS AND DEMOLITION MATERIAL	81AJ

Cost Code	Item/Mtr	Prj Yr	U / M	S e r v	Prog Qty	Oct 1		Fiscal Year 1998												Fiscal Year 1999												Fiscal Year 2000												Later			
						Acc	Bal	C Y 97			Calendar Year 1998												Calendar Year 1999												Calendar Year 2000												
								Prior	Due	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep														
						1998	1998																																								
AJ800	SS01 - .50 CAL CTG																																														
	UNK	95	K	N	10.0		10.0																																								
	UNK	96	K	N	10.0		10.0																																								
	UNK	99	K	N	4.0		4.0																														4.0										
	TOTALS				24.0		24.0																													4.0											

Manufacture's Name and Location	Production Rates			Reached D+	Procurement Lead Time				Remarks:
	Min Sust.	1-8-5	Max		Admin Lead Time		Manu- facturing time	Total after 1-Oct	
UNK	1000	5000	10000	Prior 1-Oct	After 1-Oct				
				4	4	12	16		
				4	4	12	16		
	P-1 Item Shopp List Item No				Page No				
	16				19				

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET					DATE: February 1997			
P-40								
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE			
PROCUREMENT OF AMMUNITION, NAVY/MARINE CORPS					MINE NEUTRALIZATION DEVICES (71U4)			
BA-1: NAVY AMMUNITION					Line Item #035000			
	1996	1997	1998	1999	2000	2001	2002	2003
QUANTITY								
COST (In Millions)	\$0.8	\$5.7	\$6.3	\$8.2	\$9.2	\$9.3	\$9.6	\$9.8
ITEM DESCRIPTION/JUSTIFICATION:								
<p>Mine Neutralization Devices are utilized in conjunction with minehunting systems to destroy mines that cannot be countered by normal minesweeping techniques. Once the mine is physically located, an explosive charge is placed in close proximity to neutralize the mine.</p> <p>The Mine Neutralization System (MNS) was granted Approval for Full Rate Production in August 1991. The MNS is the primary weapon system for the MCM and MHC class ships. The Mine Neutralization Vehicle can drop a Mk 57 destructor charge (MP-2) near a bottom mine to neutralize it. The vehicle is also capable of attaching a Mk 26 Cable Cutter (MP-1) to a Moored Mine. MP-3 utilizes a modified MK 26 (MP-1) cable cutter and a MK 57 Destructor (MP-2) together with floats to neutralize moored mines in place.</p>								

P-1 SHOPPING LIST

CLASSIFICATION:

CLASSIFICATION:

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS EXHIBIT P-5	DATE: February 1997
--	-------------------------------

APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY/MARINE CORPS BA-1: NAVY AMMUNITIONS	P-1 ITEM NOMENCLATURE/SUBHEAD MINE NEUTRALIZATION DEVICES (71U4)
---	--

COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
	<u>MINE WARFARE, N852</u>									
U4002	EXPLOSIVE LOADING				383			371		607
U4005	MK 57 BOMBLET	A			109	1,799	118	2,006	193	3,439
U4007	MP-3 DEVICE *	A			178*	2,190	190*	2,456	179*	2,427
U4830	PRODUCTION ENGINEERING			460		618		736		821
U4840	QUALITY ASSURANCE			30		60		64		92
U4860	ACCEPTANCE TEST & EVALUATION			288		667		688		810
	TOTAL			778		5,717		6,321		8,196
	* Kits will be procured to convert existing MP-1/MP-2 items into MP-3 items.									

--	--

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT

DATE

P-5A

February 1997

APPROPRIATION/BUDGET ACTIVITY

PROCUREMENT OF AMMUNITION, NAVY/MARINE CORPS

P-1 ITEM NOMENCLATURE

SUBHEAD

BA-1: NAVY AMMUNITION

MINE NEUTRALIZATION DEVICES

71U4

COST CODE	LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
U4005	MK 57 BOMBLET	TOLO Inc. Santa Ana, CA UNKNOWN UNKNOWN	C/FFP C/FFP C/FFP	NOC/IHDIV NOC/IHDIV NOC/IHDIV	12/96 12/97 12/98	12/97* 6/99* 12/99*	109 118 193	16.5 17.0 17.5	YES YES YES	NO NO NO	
	FY 1997										
	FY 1998 FY 1999										
U4007	MP 3 DEVICE	NOC/IHDIV UNKNOWN UNKNOWN	PO C/FFP C/FFP	NOC/IHDIV NAVSEA NAVSEA	12/96 12/97 12/98	6/98 6/99 12/99	178 190 179	12.5 12.9 13.6	YES YES YES	NO NO NO	
	FY 1997										
	FY 1998 FY 1999										

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.

FY 1998/1999 BUDGET PRODUCTION SCHEDULE

CLASSIFICATION:

UNCLASSIFIED

P-21

APPROPRIATION/BUDGET ACTIVITY						P-1 ITEM NOMENCLATURE																												SUBHEAD:			DATE:											
PROCUREMENT OF AMMUNITION, NAVY/MARINE CORPS BA-1: NAVY AMMUNITION						MINE NEUTRALIZATION DEVICES																												71U4			February 1997											
COST CODE	ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC QTY	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 2000														FISCAL YEAR 2001														FISCAL YEAR 2002														L A T E R
						CALENDAR YEAR 2000													CALENDAR YEAR 2001													CALENDAR YEAR 2002																
						OC	NO	DE	JA	FE	MA	AP	MY	JN	JL	AU	SE	OC	NO	DE	JA	FE	MA	AP	MY	JN	JL	AU	SE	OC	NO	DE	JA	FE	MA	AP	MY	JN	JL	AU	SE							
U4007	MISSION PACKAGE 3																																															
	FY 1997 (Basic)	EA	178	170	0																																			0								
	FY 1998 (Basic)	EA	190	120	70	31	31	8																																0								
	FY 1999 (Option)	EA	179	0	179			31	31	31	31	31	24																											0								
U4005	DESTRUCTOR MK 57*																																															
	FY 1997 (Option)	EA	109	109	0																																		0									
	FY 1998 (Basic)	EA	118	76	42	21	21																																0									
	FY 1999 (Option)	EA	193	0	193			22	22	22	22	22	22	22	22	17																							0									

MANUFACTURER'S NAME AND LOCATION	PRODUCTION SCHEDULE			
	MIN RATE	1-8-5	MAXIMUM	REACHED D+
MISSION PACKAGE 3:				
NSWC IHDIV Indian Head MD	10	20	25	
DESTRUCTOR MK 57:				
NSWC IHDIV Indian Head MD	10	15	25	

INITIAL	ADMIN LEAD TIME		MANU-FACTURING TIME	TOTAL AFTER 1 OCT
	PRIOR 1 OCT	AFTER 1 OCT		
REORDER (PREVIOUS SOURCE)	0	3	18	21
	0	3	12	15

P-1 SHOPPING LIST

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 IHDIV.

CLASSIFICATION: UNCLASSIFIED