

DEPARTMENT OF THE NAVY
FISCAL YEAR (FY) 2011
BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES
FEBRUARY 2010

PROCUREMENT OF AMMUNITION,
NAVY AND MARINE CORPS
BUDGET ACTIVITY 1

Page Intentionally Blank

Department of Defense Appropriations Act, 2011

Procurement of Ammunition, Navy and Marine Corps

For construction, procurement, production, and modification of ammunition, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities, authorized by section 2854 of title 10, United States Code, and the land necessary therefore, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$817,991,000, to remain available for obligation until September 30, 2013.

Page Intentionally Blank

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit P-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 Summary
 (Dollars in Thousands)

22 Jan 2010

Appropriation -----	FY 2009 (Base & OCO) -----	FY 2010 Base & OCO Enacted -----	FY 2010 Supplemental Request -----	FY 2010 Total -----
Procurement of Ammo, Navy & MC	562,893	589,368		589,368
Total Department of the Navy	562,893	589,368		589,368

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit P-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 Summary
 (Dollars in Thousands)

22 Jan 2010

Appropriation -----	FY 2011 Base -----	FY 2011 OCO -----	FY 2011 Total Request -----
Procurement of Ammo, Navy & MC	459,188	194,816	654,004
Total Department of the Navy	459,188	194,816	654,004

UNCLASSIFIED

Department of the Navy
FY 2011 President's Budget
Exhibit P-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
Summary
(Dollars in Thousands)

22 Jan 2010

Appropriation: Procurement of Ammo, Navy & MC

Budget Activity -----	FY 2009 (Base & OCO) -----	FY 2010 Base & OCO Enacted -----	FY 2010 Supplemental Request -----	FY 2010 Total -----
01. Proc Ammo, Navy	562,893	589,368		589,368
Total Procurement of Ammo, Navy & MC	562,893	589,368		589,368

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit P-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 Summary
 (Dollars in Thousands)

22 Jan 2010

Appropriation: Procurement of Ammo, Navy & MC

Budget Activity -----	FY 2011 Base -----	FY 2011 OCO -----	FY 2011 Total Request -----
01. Proc Ammo, Navy	459,188	194,816	654,004
Total Procurement of Ammo, Navy & MC	459,188	194,816	654,004

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit P-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

Appropriation: 1508N Procurement of Ammo, Navy & MC

Date: 22 Jan 2010

Line No	Item Nomenclature	Ident Code	FY 2009 (Base & OCO) Quantity Cost	FY 2010 Base & OCO Enacted Quantity Cost	FY 2010 Supplemental Request Quantity Cost	FY 2010 Total Quantity Cost	S e c
-----	-----	-----	-----	-----	-----	-----	-
Budget Activity 01: Proc Ammo, Navy							

Navy Ammunition							
1	General Purpose Bombs	A	176,363	113,502		113,502	U
2	JDAM	B	169 9,279	1,962		1,962	U
3	Airborne Rockets, All Types	A	57,054	75,034		75,034	U
4	Machine Gun Ammunition	A	18,860	92,395		92,395	U
5	Practice Bombs	A	42,703	28,016		28,016	U
6	Cartridges & Cart Actuated Devices	A	43,106	47,853		47,853	U
7	Air Expendable Countermeasures	A	95,770	69,605		69,605	U
8	JATOS	A	3,169	3,220		3,220	U
9	5 Inch/54 Gun Ammunition	A	20,897	23,364		23,364	U
10	Intermediate Caliber Gun Ammunition	A	1,468	25,894		25,894	U
11	Other Ship Gun Ammunition	A	34,041	38,660		38,660	U
12	Small Arms & Landing Party Ammo	A	46,201	54,627		54,627	U
13	Pyrotechnic And Demolition	A	10,784	12,032		12,032	U
14	Ammunition Less Than \$5 Million	A	3,198	3,204		3,204	U
			-----	-----	-----	-----	
Total Proc Ammo, Navy			562,893	589,368		589,368	
			-----	-----	-----	-----	
Total Procurement of Ammo, Navy & MC			562,893	589,368		589,368	

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit P-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

Appropriation: 1508N Procurement of Ammo, Navy & MC

Date: 22 Jan 2010

Line No	Item Nomenclature	Ident Code	FY 2011 Base Quantity	Cost	FY 2011 OCO Quantity	Cost	FY 2011 Total Request Quantity	Cost	S e c
-----	-----	-----	-----	-----	-----	-----	-----	-----	-
Budget Activity 01: Proc Ammo, Navy									

Navy Ammunition									
1	General Purpose Bombs	A	80,028		6,060		86,088		U
2	JDAM	B							U
3	Airborne Rockets, All Types	A	38,721		76,043		114,764		U
4	Machine Gun Ammunition	A	21,003		69,660		90,663		U
5	Practice Bombs	A	33,666				33,666		U
6	Cartridges & Cart Actuated Devices	A	53,667				53,667		U
7	Air Expendable Countermeasures	A	59,626		33,632		93,258		U
8	JATOS	A	2,869				2,869		U
9	5 Inch/54 Gun Ammunition	A	34,492				34,492		U
10	Intermediate Caliber Gun Ammunition	A	37,234				37,234		U
11	Other Ship Gun Ammunition	A	36,275		455		36,730		U
12	Small Arms & Landing Party Ammo	A	46,192		7,757		53,949		U
13	Pyrotechnic And Demolition	A	11,310		1,209		12,519		U
14	Ammunition Less Than \$5 Million	A	4,105				4,105		U
Total Proc Ammo, Navy			459,188		194,816		654,004		
Total Procurement of Ammo, Navy & MC			459,188		194,816		654,004		

BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2010					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS\ BA1 NAVY AMMUNITION								P-1 ITEM NOMENCLATURE 014500, GENERAL PURPOSE BOMBS					
Program Element for Code B Items: PE: 0204162N								Other Related Program Elements					
	Prior Years	ID Code	FY 2009	FY 2010	Base FY 2011	OCO FY 2011	Total FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total
Quantity													
Cost (\$M)	\$1,517.2	A	\$176.4	\$113.5	\$80.0	\$6.1	\$86.1	\$75.9	\$66.0	\$68.0	\$91.3	Cont	Cont
MISSION DESCRIPTION: <u>The BLU-109</u> : The procurement of the BLU-109 is to maintain war reserve posture. The BLU-109 Penetrator is a 2,000 lb Bomb that is loaded with plastic bonded explosive (PBXN-109) to enhance its insensitive munitions performance. <u>The BLU-110</u> : The procurement is for expenditure replacement and to maintain war reserve. The BLU-110A/B is a 1,000 lb General Purpose Thermally Protected Bomb that is loaded with plastic bonded explosive (PBXN-109) to enhance its insensitive munitions performance. <u>The BLU-111</u> : The procurement is for expenditure replacement and to maintain war reserve. The BLU-111A/B is a thermally protected 500 lb bomb filled with plastic bonded explosive (PBXN-109) to enhance its insensitive munitions performance. <u>BSU-86 Retarder Fins</u> : Procurement to replace wartime and training expenditures and maintain war reserve. <u>FUZES</u> : Current General Purpose Bomb fuze supporting JDAM (Joint Direct Attack Munitions), DMLGB (Dual Mode Laser Guided Bomb), LGBs (Laser Guided Bombs), and General Purpose Bombs and BLU-109 Penetrator. <u>Direct Attack Moving Target Capability</u> : This funding is to procure non-developmental Direct Attack Moving Target capable weapons for fixed wing aircraft through a competitive procurement contract planned for FY11. The intent of this procurement is to address a documented capability requirement for DON fixed wing aircraft. This acquisition will ensure Navy and Marine Corps fixed wing moving target direct attack capacity until Small Diameter Bomb delivery in 2016. <u>Bomb Subcomponents</u> : The Bomb Subcomponents line funding procures Arming Wires, adapters, lugs, nose plugs, etc. <u>Product Improvement Program (PIP)</u> : The PIP cost element funds efforts to include: investigation into alternative hardware coating materials to meet the Environmental Protection Agency's more stringent requirements; incorporating design changes to the bomb bodies; incorporating Insensitive Munitions requirements and incorporating fuze engineering changes for manufacturing/production/obsolescence enhancements and to improve fuze system reliability. <u>Laser Guided Bomb Computer Control Groups(CCG)</u> : The Laser Guided Bomb CCG provides the capability for a general purpose bomb to become a precision guided weapon. The LGB consists of CCG and Air Foil Group (AFG) which is the fin stabilizer. <u>FY09</u> includes \$7,259K of OCO funding to procure BSU-86 (4,861 units) and \$23,100K of OCO funding to procure BLU-109 (970 units). <u>FY10</u> includes \$8,100K of OCO funding to procure FMU-139 fuze (4,535 units) and \$32,400K of OCO funding to procure Laser Guided Bombs CCG (3,240 units). <u>FY11</u> includes \$6,060K of OCO funding to procure FMU-139 fuze (2,424 units). <u>FY09</u> provides funding to procure BSU-86, BLU-111, BLU-110, BLU-109, Fuzes, Bomb Subcomponents and associated support. <u>FY10</u> provides funding to procure BLU-111, Bomb Subcomponents and associated support. <u>FY11</u> provides funding to procure BLU-111, BLU-110, Direct Attack Moving Target Capability, Bomb Subcomponents and associated support.													

WEAPONS SYSTEM COST ANALYSIS							Weapon System				DATE:	
P-5							General Purpose Bombs				February 2010	
APPROPRIATION/BUDGET ACTIVITY							ID CODE		P-1 ITEM NOMENCLATURE/SUBHEAD			
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA-1 NAVY AMMUNITION							A		014500 GENERAL PURPOSE BOMBS/J1Q2			
Cost Code	Element of Cost	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS									
			Prior Years	FY 2009			FY 2010			FY 2011		
			Total Cost	Quantity	Unit cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	<u>GENERAL PURPOSE BOMBS SUBTOTAL</u>					<u>145,971</u>			<u>72,843</u>			<u>56,202</u>
Q2020	BSU-86 (Note 1)	A		10,998	1,493.35	16,424						
Q2191	BLU-111	A		12,326	3,308.22	40,777	6,373	4,734.29	30,172	5,343	4,838.97	25,855
Q2192	BLU-110	A		2,452	5,928.46	14,537				1,068	8,698.30	9,290
Q2199	BLU-109 (Note 2)	A		2,233	23,816.39	53,182						
Q2196	FUZES	A		5,795	3,042.41	17,631						
Q2197	Bombs Subcomponents	A				3,420			2,171			2,334
Q2200	Direct Attack Moving Target Capability (Note 3)	A								700	18,089.57	12,663
Q2210	Hard Target Void Sensing Fuze	A										
Q2032	FMU-139 Electrical Fuze (OCO REQUEST) (Note 4)(Note 5)	A					4,535	1,786.00	8,100	2,424	2,500.00	6,060
TBD	Laser Guided Bombs CCG (OCO REQUEST) (Note 6)	A					3,240	10,000.00	32,400			
	<u>ILS SUBTOTAL</u>					<u>600</u>			<u>600</u>			<u>600</u>
Q2800	ILS (FUZES)											
Q2800	ILS (GBU)											
Q2800	ILS (GP BOMBS)					600			600			600
	<u>PES/NAVY SUBTOTAL</u>					<u>25,615</u>			<u>37,079</u>			<u>26,260</u>
Q2830	OTHER PES (GP BOMBS)					4,538			2,947			5,129
Q2830	PES (FUZES)					9,969			8,915			8,612
Q2830	PES (GBU & LGB)					4,967			3,524			3,686
Q2830	PES (DAMTC)					2,582			3,718			2,808
Q2830	DAMTC Production Acceptance Test & Evaluation (Note 7)					3,559			17,975			6,025
	<u>OTHER SUBTOTAL</u>					<u>4,177</u>			<u>2,980</u>			<u>3,026</u>
Q2850	PRODUCT IMPROVEMENT PROGRAM (PIP)					3,673			2,380			2,428
Q2892	NON-STANDARD ITEMS					100			200			198
Q2893	RENOVATION COMPONENTS					154			200			200
Q2894	GAGING					250			200			200
	TOTAL			1,517,167		176,363			113,502			86,088

Notes:

1. FY09 includes \$7,259K of OCO funding to procure BSU-86 (4,861 units)
2. FY09 includes \$23,100K of OCO funding to procure BLU-109 (970 units)
3. FY11 initial order of DAMTC enables weapons to support IOC and OT
4. FY10 includes \$8,100K of OCO funding to procure FMU-139 fuze (4,535 units)
5. FY11 includes \$6,060K of OCO funding to procure FMU-139 fuze (2,424 units)
6. FY10 includes \$32,400K of OCO funding to procure Laser Guided Bombs CCG (3,240 units)
7. DAMTC - FY09,FY10, and FY11 DAMTC funds are included in the DAMTC PES and DAMTC Production Acceptance Test and Evaluation line for production qualification testing

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System General Purpose Bombs			A. DATE February 2010	
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS						C. P-1 ITEM NOMENCLATURE 014500, GENERAL PURPOSE BOMBS				SUBHEAD J1Q2
Cost Element/FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW	DATE REVISIONS AVAILABLE
<u>GENERAL PURPOSE BOMBS</u>										
BSU-86	2007	15,672	13,478	JMC ROCK ISLAND, IL	Jan 07	C-FP	CAPCO INC.	Apr 07	May 08	YES
	2009	6,137	1,493	JMC ROCK ISLAND, IL	Jan 09	C-OPTION	CAPCO INC.	Jan 10	Feb 10	YES
BSU-86 (OCO)	2009	4,861	1,493	JMC ROCK ISLAND, IL	Jan 09	C-OPTION	CAPCO INC.	Aug 09	Feb 10	YES
BSU-85	2005	10,792	1,954	JMC ROCK ISLAND, IL	Dec 04	C-FP	GENERAL DYNAMICS, GARLAND TX	May 06	Feb 08	YES
	2008	5,292	1,761	JMC ROCK ISLAND, IL	Dec 07	C-FP	GENERAL DYNAMICS, GARLAND TX	Feb 08	Aug 09	YES
FMU-139 FUZE	2003	50,075	554	NAVAIR	Dec 03	SS-FP	L-3 COM, CINCINNATI, OH	Sep 03	Jun 09	YES
	2005	9,164	873	NAVAIR	Dec 04	C-FP	ATK TACTICAL SYSTEMS, KEYSER, WV	Apr 05	Oct 10	YES
	2006	7,034	873	NAVAIR	May 06	SS-FP	ATK TACTICAL SYSTEMS, KEYSER, WV	May 08	May 11	YES
FMU-139 FUZE (OCO)	2010	4,535	1,786	NAVAIR	Dec 08	C-FP	TBD	Mar 10	Mar 11	YES
	2011	2,424	2,500	NAVAIR	Dec 10	C-FP	TBD	Mar 11	Sep 11	YES
BLU-111	2006	5,184	2,846	JMC ROCK ISLAND, IL	Dec 05	C-FP	GENERAL DYNAMICS, GARLAND TX	Feb 06	Aug 10	YES
	2007	11,682	2,885	JMC ROCK ISLAND, IL	Jan 07	C-OPTION	GENERAL DYNAMICS, GARLAND TX	Jan 07	Nov 10	YES
	2008	9,621	4,028	JMC ROCK ISLAND, IL	Jan 08	C-OPTION	GENERAL DYNAMICS, GARLAND TX	Jan 08	Nov 10	YES
	2009	12,326	3,308	JMC ROCK ISLAND, IL	Jan 09	C-OPTION	GENERAL DYNAMICS, GARLAND TX	Jan 09	Sep 09	YES
BLU-110	2010	6,373	4,734	JMC ROCK ISLAND, IL	Jan 10	C-OPTION	GENERAL DYNAMICS, GARLAND TX	Mar 10	Mar 11	YES
	2011	5,343	4,839	JMC ROCK ISLAND, IL	Jan 11	C-OPTION	GENERAL DYNAMICS, GARLAND TX	Mar 11	Mar 12	YES
	2005	6,765	5,516	JMC ROCK ISLAND, IL	Dec 05	C/FP	GENERAL DYNAMICS, GARLAND TX	Feb 05	Oct 06	YES
	2006	2,049	5,898	JMC ROCK ISLAND, IL	Dec 05	C/FP	GENERAL DYNAMICS, GARLAND TX	Feb 06	Apr 08	YES
	2007	2,426	5,588	JMC ROCK ISLAND, IL	OPTION	C-OPTION	GENERAL DYNAMICS, GARLAND TX	Feb 07	Mar 10	YES
	2008	2,976	7,216	JMC ROCK ISLAND, IL	OPTION	C-OPTION	GENERAL DYNAMICS, GARLAND TX	Feb 08	Sep 09	YES
	2009	2,452	5,928	JMC ROCK ISLAND, IL	OPTION	C-OPTION	GENERAL DYNAMICS, GARLAND TX	Feb 09	Mar 10	YES
	2011	1,068	8,698	JMC ROCK ISLAND, IL	OPTION	C-OPTION	GENERAL DYNAMICS, GARLAND TX	Feb 11	Mar 12	YES

						Weapon System General Purpose Bombs			A. DATE February 2010	
B. APPROPRIATION/BUDGET ACTIVITY						C. P-1 ITEM NOMENCLATURE				SUBHEAD
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA1 - NAVY AMMUNITION						014500, GENERAL PURPOSE BOMBS				J1Q2
Cost Element/Fiscal Year	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
Fuzes (FMU-143K/L/M)										
2009	5,795	3,042	JMC ROCK ISLAND, IL	Mar 07	C-FP	L-3 COM, CINCINNATI, OH	Mar 10	Jul 10	YES	
BLU-109										
2008	352	27,169	JMC ROCK ISLAND, IL	Dec 07	C-OPTION	NATIONAL FORGE, IRVING, PA	Jan 08	Feb 09	YES	
2009	1,263	23,816	JMC ROCK ISLAND, IL	Dec 08	C-OPTION	NATIONAL FORGE, IRVING, PA	Jan 09	Feb 10	YES	
BLU-109 (OCO)										
2009	970	23,816	JMC ROCK ISLAND, IL	Dec 08	C-OPTION	NATIONAL FORGE, IRVING, PA	Aug 09	Feb 10	YES	
DIRECT ATTACK MOVING TARGET CAPABILITY										
2008	400	14,770	NAVAIR	Aug 07	FFP(IDIQ)	BOEING	May 08	Oct 09	YES	
2011	700	18,090	NAVAIR	Aug 09	C-FP	TBD	Nov 10	Feb 11	YES	
LASER GUIDED BOMBS CCG (OCO)										
2010	3,240	10,000	HILL AFB	Jan 09	C-FP	TBD	Jan 10	Jun 10	YES	

APPROPRIATION/BUDGET ACTIVITY													DATE				February 2010																
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 - NAVY AMMUNITION													Weapon System General Purpose Bombs				P-1 ITEM NOMENCLATURE 014500, General Purpose Bombs																
													Production Rate				Procurement Leadtimes																
Item		Manufacturer's Name and Location				MSR		ECON		MAX		ALT Prior to Oct 1		ALT After Oct 1		Initial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure											
BLU-109		National Forge, Irving, PA				1344		1668		5004				4		13				17		E											
Direct Attack Moving Target Capability		TBD				TBD		TBD		TBD				2		3		14		19		E											
FUZES		L-3 Ohio				6000		10800		20400				6		4				10		E											
LASER GUIDED BOMBS CCG		TBD				TBD		TBD		TBD				4		5				9		E											
FMU-139 ELECTRICAL FUZES		ATK Rocket Center, WV				12000		24000		74400				8		10				18		E											
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	Fiscal Year 2008													Fiscal Year 2009													B A L
							2007			CALENDAR YEAR 2008													CALENDAR YEAR 2009										
							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			
BLU-109																																	
National Forge		08	N	352	0	352																									120		
National Forge		09	N	1,263	0	1,263													A												1,263		
BLU-109 (OCO)																																	
National Forge		09	N	970	0	970																							A		970		
Direct Attack Moving Target Capability																																	
BOEING		08	N	400	0	400																									400		
FUZES (FMU-143K/L/M)																																	
L-3 COM, OHIO		09	N	5,795	0	5,795																									5,795		
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2010													FISCAL YEAR 2011													B A L
							2009			CALENDAR YEAR 2010													CALENDAR YEAR 2011										
							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			
BLU-109																																	
National Forge		08	N	352	232	120	29	29	29	33																						0	
National Forge		09	N	1,263	0	1,263					105	105	105	105	105	105	105	105	105	105	105	105	108									0	
BLU-109 (OCO)																																	
National Forge		09	N	970	0	970					80	80	80	80	80	80	80	80	80	80	80	90										0	
Direct Attack Moving Target Capability																																	
BOEING		08	N	400	0	400	50	50	50	50	50	50	50	50																		0	
TBD		11	N	700	0	700													A				87	87	88	88	88	88	87	87		0	
FUZES (FMU-143K/L/M)																																	
L-3 COM, OHIO		09	N	5,795	0	5,795						A				700	700	700	735	740	740	740	740									0	
LASER GUIDED BOMBS CCG (OCO)																																	
TBD		10	N	3,240	0	3,240					A				270	270	270	270	270	270	270	270	270	270	270	270						0	
FMU-139 ELECTRICAL C/B FUZES (OCO)																																	
TBD		10	N	4,535	0	4,535						A													1000	1200	1200	1135				0	
TBD		11	N	2,424	0	2,424																			A					606	1,818		
Remarks: MONTHLY DELIVERIES VARY DEPENDING ON JOINT SERVICE REQUIREMENTS. The MSR represents the rate for joint service procurements.																																	

BUDGET PRODUCTION SCHEDULE, P21										DATE										February 2010											
APPROPRIATION/BUDGET ACTIVITY										Weapon System										P-1 ITEM NOMENCLATURE											
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 - NAVY AMMUNITION										General Purpose Bombs										014500, General Purpose Bombs											
		Manufacturer's Name and Location				Production Rate			Procurement Leadtimes																						
Item						MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total		Unit of Measure																
BSU-86		CAPCO, CO				4200	9936	22356		4	1		5		E																
BSU-85		General Dynamics, TX				7200	12000	36000		5	18		23		E																
FMU 139 Fuze		ATK, Rocket Center, WV				12000	24000	74400		8	36	22	66		E																
BLU-111		General Dynamics, TX				7200	10800	45600		5	12	1	18		E																
BLU-110		General Dynamics, TX				8640	20160	43200		4	13	23	40		E																
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2008												FISCAL YEAR 2009												B A L
							2007			CALENDAR YEAR 2008									CALENDAR YEAR 2009												
							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-86																															
	CAPCO, CO	07	N	15,672	13478	2,194																					528	528	528	528	82
	CAPCO, CO	09	N	6,137	0	6,137																									6,137
BSU-86 (OCO)																															
	CAPCO, CO	09	N	4,861	0	4,861																							A		4,861
BSU-85																															
	General Dynamics	05	N	10,792	9698	1094																				290	528	276			0
	General Dynamics	08	N	5,292	0	5,292																						144	1152	3,996	
FMU-139 B/B Fuze																															
	L-3 COM(1)	03	N	50,075	0	50,075																					144			1732	48,199
	ATK(2)	05	N	9,164	0	9,164																									9,164
	ATK(3)	06	N	7,034	0	7,034																									7,034
BLU-111																															
	General Dynamics	06	N	5,184	0	5,184																									5,184
	General Dynamics	07	N	11,682	0	11,682																									11,682
	General Dynamics	08	N	9,621	0	9,621																									9,621
	General Dynamics	09	N	12,326	0	12,326																	A							3518	8,808
	General Dynamics	10	N	6,373	0	6,373																									6,373
	General Dynamics	11	N	5,343	0	5,343																									5,343
BLU-110																															
	General Dynamics	05	N	6,765	3749	3,016																	1508	1508							0
	General Dynamics	06	N	2,049	2047	2																						2			0
	General Dynamics	07	N	2,424	0	2,424																									2,424
	General Dynamics	08	N	2,976	0	2,976																								2976	0
	General Dynamics	09	N	2,452	0	2,452																	A								2,452
	General Dynamics	11	N	1,068	0	1,068																									1,068
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2010												FISCAL YEAR 2011												B A L
							2009			CALENDAR YEAR 2010									CALENDAR YEAR 2011												
							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-86																															

Remarks:	MONTHLY DELIVERIES VARY DEPENDING ON JOINT SERVICE REQUIREMENTS. The MSR represents the rate for joint service procurements.
----------	--

BUDGET ITEM JUSTIFICATION SHEET**P-40**

DATE:

February 2010

APPROPRIATION/BUDGET ACTIVITY

PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS**BA1 - NAVY AMMUNITION**

P-1 ITEM NOMENCLATURE

014800, JOINT DIRECT ATTACK MUNITION (JDAM)

Program Element for Code B Items:

Other Related Program Elements

0204162N

	Prior Years	ID Code	FY 2009	FY 2010	Base FY 2011	OCO FY 2011	Total FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total
Quantity	58,686	A	169	0									58,855
Cost (\$M)	\$1,360.7	A	\$9.3	\$2.0									\$1,371.9
Initial Spares (\$M)													
Total (\$M)	\$1,360.7		\$9.3	\$2.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$1,371.9
Unit Cost (\$M)	0.023		0.055										0.023
DERF Quantity-NonAdd	7,890												7,890
DERF Cost (\$M) NonAdd	\$161.1												\$161.1

MISSION AND DESCRIPTION:

Operation Desert Storm confirmed the need for a more accurate weapon delivery capability in adverse weather conditions and from medium/high altitudes. Failure to satisfy this requirement will allow the enemy to continue to take advantage of the sanctuary of weather and/or prevent US air power from prosecuting a conflict on its terms. JDAM is an Air Force and Navy munitions program, with the Air Force as the executive service. JDAM upgrades the existing inventory of general purpose bombs (MK 84, BLU-109/B, MK83, BLU-109, BLU-126, and MK82) by integrating them with a guidance kit consisting of a Global Positioning System Aided Inertial Navigation System (GPS/INS). JDAM provides an accurate (13 meters) adverse weather capability that is integrated on the B-52, B-2, B-1B, F-16, F/A-18C/D/E/F, F-15E, F-22, A-10, and AV-8B. The Navy is responsible for fielding a JDAM All-Up-Round (AUR) system; procuring components as required to satisfy that system (tail kits, airborne test equipment, cables, and support equipment). Reduced procurement quantities in FY09 are driven by a change in Non Nuclear Ordnance Requirements (NNOR). Selective Availability Anti-Spoofing Module (SAASM) was incorporated into production lots beginning in FY05. Boeing Production Price Commitment Curve (PPCC) Pricing Agreement ended in Lot 11 (FY07). Pricing for Lots 12-17 has been renegotiated, however Lot 13 is the last of Navy's procurements.

The total production buy for JDAM is **201,744** units (142,889 for USAF and 58,855 for Navy, not including any DERF). There is no requirement for initial spares because of the 20 year warranty.

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System						DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 - NAVY AMMUNITION				ID Code A	P-1 ITEM NOMENCLATURE/SUBHEAD 014800, JOINT DIRECT ATTACK MUNITION (JDAM)							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS									
			Prior Years	FY 2009			FY 2010			FY 2011		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
JD100	AIR VEHICLE	A	1,189,578	169	24.130	4,078			0			
JD100	ENGINEERING CHANGE ORDERS (ECO)		3,841						0			
JD200	FUZES	A	36,842			0			0			
JD300	WARHEAD		28,576			0			0			
	Total Recurring Flyaway		1,258,837	169	24.130	4,078			0			
JD100	AIRBORNE TEST EQUIPMENT		5,832			0			0			
JD100	CONTRACTOR INCENTIVE		11,291			41			0			
JD100	SCHEDULE ACCELERATION		888			0			0			
JD700	CABLES		720			0			0			
JD830	PRODUCTION TECH SUPPORT		54,101			3,224			817			
JD840	PRODUCTION TEST		14,199			1,517			610			
JD850	DATA		0			0			0			
	Total Non-Recurring		87,031			4,782			1,427			
	Total Weapon Flyaway		1,345,868	169	52.426	8,860			1,427			
JD920	DATA (TECHNICAL)		271			0			62			
JD940	LOAD / BUILDUP TRAINERS		857			0			0			
JD960	TEST EQUIPMENT		4,340			0			0			
JD970	INTEGRATED LOGISTICS SUPPORT (ILS)		8,488			390			473			
JD990	TRAINING		901			0			0			
	Total Fleet Support		14,857			390			535			
	Total Weapon System		1,360,725	169	54.734	9,250			1,962			
	DAWDF Realignment					29						
	Total Program Cost		1,360,725	169		9,279			1,962			0

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2010			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 - NAVY AMMUNITION					C. P-1 ITEM NOMENCLATURE 014800 JOINT DIRECT ATTACK MUNITION				SUBHEAD J1JD	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
<u>JDAM (Lot 11)</u> FY-07	3,324	22.158	USAF Eglin AFB, FL	Oct-06	SS/Option	MCDONNELL DOUGLAS CORP, SAINT LOUIS, MO	Nov 06	Mar 08	Yes	
<u>JDAM (Lot 12)</u> FY-08	1,412	23.485	USAF Eglin AFB, FL	Jun-07	SS/FFP	MCDONNELL DOUGLAS CORP, SAINT LOUIS, MO	Dec 07	Mar 09	Yes	
<u>JDAM (Lot 13)</u> FY-09	169	24.130	USAF Eglin AFB, FL	Oct-08	SS/Option	MCDONNELL DOUGLAS CORP, SAINT LOUIS, MO	Mar 09	Mar 10	Yes	
D. REMARKS 1) Boeing Production Price Commitment Curve (PPCC) Pricing Agreement ended in Lot 11 (FY07). 2) Pricing for Lots 12-17 have been renegotiated with Navy procurements completing in Lot13 (FY09).										

BUDGET PRODUCTION SCHEDULE, P-21										DATE		February 2010																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 - NAVY AMMUNITION								Weapon System				P-1 ITEM NOMENCLATURE 014800 JOINT DIRECT ATTACK MUNITION (JDAM)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
						Production Rate			Procurement Leadtimes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Item	Manufacturer's Name and Location					MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
JDAM	MCDONNELL DOUGLAS					4000	10000	36000	0	6	13	12	18	E																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	ST LOUIS, MO																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
ITEM / MANUFACTURER						F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2008										FISCAL YEAR 2009										B A L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
											2007			CALENDAR YEAR 2008									CALENDAR YEAR 2009																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
											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 - McDonnell Douglas																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

BUDGET ITEM JUSTIFICATION SHEET								DATE: February 2010					
P-40													
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 - NAVY AMMUNITION								P-1 ITEM NOMENCLATURE 015100, AIRBORNE ROCKETS, ALL TYPES					
Program Element for Code B Items: 0205601N								Other Related Program Elements					
	Prior Years	ID Code	FY 2009	FY 2010	Base FY 2011	OCO FY 2011	Total FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total
Quantity													
Cost (\$M)	224.2		57.1	75.0	38.7	76.0	114.8	43.1	42.7	46.6	47.6	Cont	Cont
Initial Spares (\$M)													
Total (\$M)	224.2		57.1	75.0	38.7	76.0	114.8	43.1	42.7	46.6	47.6	Cont	Cont
Unit Cost (\$M)													

MISSION DESCRIPTION:
 Procurements are to establish an inventory of rocket components in accordance with the Non-Nuclear Ordnance Requirement (NNOR) and to maintain those inventory levels as training and combat usage occurs. 2.75" and 5.00" rockets are employed by both rotary and fixed wing platforms across several mission areas. Current employment typically includes the Close Air Support (CAS) and Military Operations in Urban Terrain missions (MOUT).

The miscellaneous components provide for procurement of various rocket components not to exceed a total cost of 500K per year per component.

Product improvements address deficiencies in the safety, reliability, producibility and address the aircraft interface issues of Airborne Rocket Systems. Specific projects include reliability improvements, insensitive munitions improvements to the rocket motors, safety improvements to warheads, and improving the interface between the rocket launcher and the host platform.

ADVANCED PRECISION KILL WEAPON SYSTEM (APKWS): APKWS was an Army SD&D program to develop a low cost Semi Active Laser (SAL) precision guidance section for existing 2.75-inch unguided rockets. APKWS II will provide an inexpensive, small, lightweight, precision-guided weapon that is effective against soft and lightly armored targets and which enhances crew survivability with increased standoff range. Through addition of a mid-body guidance section APKWS II offers precision, maximum stored kills per aircraft sortie, minimum collateral damage potential, and increased effectiveness over legacy unguided rockets. The guidance package can be assembled with existing unguided rocket components (warhead and rocket motor) and can be fired from LAU-61/LAU-68. The SD&D program will complete second quarter FY10 and is on track to achieve MS C in second quarter FY10.

The 2.75" Multi Purpose Penetrator (MPP) warhead, a new start in FY10, will provide USMC aircrew and ground commanders greatly enhanced weaponeering options, to engage targets protected by urban and cave environments. This new start program will provide a low-cost penetrator warhead in urgent need in the current fight in Afghanistan and Iraq and will directly improve aviation fire support to the Marine Air-Ground Task Force (MAGTF) now and in the future.

The M151/MK152 10lb warheads with the M-423/MK435 fuses, a new start in FY11, will allow the warfighter to engage targets at a closer range. These warheads will be required for use with APKWS.

Prior years figures reflect FY2001 to FY2008. FY2000 and prior are in the 2.75-inch rockets line.

Increase in years FY10-FY15 is due to the procurement of the APKWS II guidance sections.

FY09 OCO funding procures MK 66 Rocket Motor (Mod 4).

FY10 OCO will be used to procure the following: MK 66 Rocket Motor (Mod 4), Rocket Motor Container, 2.75" Launchers, and MPP.

FY11 OCO will be used to procure the following: MK 66 Rocket Motor (Mod 4), 2.75" Launcher, MPP, and M151 / MK152 Warhead.

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System AIRBORNE ROCKETS, ALL TYPES						DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 - NAVY AMMUNITION				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD 015100, AIRBORNE ROCKETS, ALL TYPES							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS									
			Prior Years	FY 2009			FY 2010			FY 2011		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
Q5030	*WTU-11/B INERT WARHEAD	A	6,940	12,293	85.23	1,048	12,305	86.93	1,070	12,063	90.44	1,091
Q5040	*MK 66 ROCKET MOTOR (Mod 4)	A	96,836	77,946	417.50	32,542	91,267	428.85	39,140	36,767	443.05	16,290
Q5040	*MK 66 ROCKET MOTOR (Mod 4) - OCO									92,086	500.00	46,043
Q5041	MK71 ROCKET MOTOR	A	55,919	300	5604.28	1,681	50	5716.37	286	25	5830.70	146
Q5042	*MK 66 ROCKET MOTOR (Mod 6)	A	585	1,152	518.20	597	200	528.56	106	800	539.13	431
Q5080	MK146 (M229) HE WARHEAD	A	18,692	1,100	1439.20	1,583	3,724	1467.98	5,467	2,242	1497.34	3,357
Q5090	*MK149 (M255A1 FLECHETTE) WH	A	6,429	5,508	568.23	3,130	2,200	700.64	1,541	2,000	714.65	1,429
Q5200	SMOKEY SAM	A	2,067	3,405	144.59	492	3,342	147.48	493	3,376	150.43	508
Q5800	INTEGRATED LOGISTICS SUPPORT (ILS)		2,195			575			550			400
Q5830	PRODUCTION ENG SUPPORT		14,742			7,947			2,620			2,382
Q5850	PRODUCT IMPROVEMENT PROGRAM (PIP)		9,953			4,000			900			500
Q5860	MISCELLANEOUS COMPONENTS		1,509			100			100			100
Q5870	CONTAINERS	A	5,596			2,000			4,457			1,000
Q5892	NON-STANDARD ITEMS	A	200			40			40			40
Q5893	RENOVATION COMPONENTS	A	1,158			60			60			60
Q5895	2.75" LAUNCHER	A	1,050	92	8730.19	803	92	8904.79	819	92	9082.89	836
Q5895	**2.75" LAUNCHER - OCO						360	25000.00	9,000	600	25000.00	15,000
Q5896	APKWS G&C SECTIONS	B					325	16,952.00	5,509	600	14,630	8,778
Q5897	WTU-11/B	A	300	962	472.99	455	963	380.23	366	963	387.83	373
Q5898	MULTI PURPOSE PENETRATOR (MPP)	A					2,500	1004.00	2,510	100	1000.00	100
Q5898	MULTI PURPOSE PENETRATOR (MPP) - OCO									7,500	1000.00	7,500
Q5899	M151 / MK152 WARHEAD	A								1,000	900.00	900
Q5899	M151 / MK152 WARHEAD - OCO									15,000	500.00	7,500
			224,171			57,054			75,034			114,764

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

** 2.75" Launcher Unit Cost increase due to improved launcher to comply with MIL-STD-1760.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System AIRBORNE ROCKETS, ALL TYPES		A. DATE February 2010		
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 - NAVY AMMUNITION					C. P-1 ITEM NOMENCLATURE 015100, AIRBORNE ROCKETS ALL TYPES				SUBHEAD J1Q5	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
Q5030 *WTU-1/B INERT WARHEAD	2008	12,264	83.56	HUNTSVILLE	N/A	C/FFP/OPTION	GENERAL DYNAMICS, BURLINGTON, VT	05/08	11/09	YES
	2009	12,293	85.23	HUNTSVILLE	N/A	C/FFP/OPTION	GENERAL DYNAMICS, BURLINGTON, VT	05/09	11/10	YES
	2010	12,305	86.93	HUNTSVILLE	N/A	C/FFP	GENERAL DYNAMICS, BURLINGTON, VT	05/10	11/11	YES
	2011	12,063	90.44	HUNTSVILLE	N/A	C/FFP/OPTION	GENERAL DYNAMICS, BURLINGTON, VT	05/11	11/12	YES
Q5040 *MK66 MOD 4 ROCKET MOTOR	2007	13,512	411.03	HUNTSVILLE	N/A	C/FFP/OPTION	GENERAL DYNAMICS, BURLINGTON, VT	04/07	10/08	YES
	2008	25,244	409.31	HUNTSVILLE	N/A	C/FFP/OPTION	BURLINGTON, VT	04/08	10/09	YES
	2009	18,308	417.50	HUNTSVILLE	N/A	C/FFP/OPTION	GENERAL DYNAMICS, BURLINGTON, VT	04/09	10/10	YES
	2009 - OCO	59,638	417.50	HUNTSVILLE	N/A	C/FFP/OPTION	GENERAL DYNAMICS, BURLINGTON, VT	10/09	5/11	YES
	2010	91,267	428.85	HUNTSVILLE	N/A	C/FFP	GENERAL DYNAMICS, BURLINGTON, VT	04/10	10/11	YES
	2011	36,767	443.05	HUNTSVILLE	N/A	C/FFP/OPTION	GENERAL DYNAMICS, BURLINGTON, VT	04/11	10/12	YES
	2011 - OCO	92,086	500.00	HUNTSVILLE	N/A	C/FFP/OPTION	GENERAL DYNAMICS, BURLINGTON, VT	04/11	10/12	YES
Q5041 MK71 ROCKET MOTOR	2007	800	4,300.00	NAVAIR	N/A	PX	NSWC INDIAN HEAD DIV, INDIAN HD MD	09/07	09/08	YES
	2008	1,420	4,664.79	NAVAIR	N/A	PX	NSWC INDIAN HEAD DIV, INDIAN HD MD	03/08	03/09	YES
	2009	300	5,604.28	NAVAIR	N/A	PX	NSWC INDIAN HEAD DIV, INDIAN HD MD	03/09	03/10	YES
	2010	50	5,716.37	NAVAIR	N/A	PX	NSWC INDIAN HEAD DIV, INDIAN HD MD	03/10	03/11	YES
	2011	25	5,830.70	NAVAIR	N/A	PX	NSWC INDIAN HEAD DIV, INDIAN HD MD	03/11	03/12	YES
D. REMARKS *Pricing is provided by the Army and incorporates other services' buys.										

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System AIRBORNE ROCKETS, ALL TYPES		A. DATE February 2010		
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 - NAVY AMMUNITION					C. P-1 ITEM NOMENCLATURE 015100, AIRBORNE ROCKETS ALL TYPES				SUBHEAD J1Q5	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
Q5042 *MK66 MOD 6 ROCKET MOTOR	2008	1,152	508.04	HUNTSVILLE	N/A	C/CPIF	GENERAL DYNAMICS, BURLINGTON, VT	04/08	01/09	YES
	2009	1,152	518.20	HUNTSVILLE	N/A	C/CPIF	GENERAL DYNAMICS, BURLINGTON, VT	04/09	01/10	YES
	2010	200	528.56	HUNTSVILLE	N/A	C/CPIF	GENERAL DYNAMICS, BURLINGTON, VT	04/10	01/11	YES
	2011	800	539.13	HUNTSVILLE	N/A	C/CPIF	GENERAL DYNAMICS, BURLINGTON, VT	04/11	01/12	YES
Q5080 MK146 (M229) HE WARHEAD	2007	8,701	1,356.99	NAVAIR	N/A	PX	NSWC INDIAN HEAD DIV, INDIAN HD MD	03/07	03/08	YES
	2009	1,100	1,439.20	NAVAIR	N/A	PX	NSWC INDIAN HEAD DIV, INDIAN HD MD	03/09	03/10	YES
	2010	3,724	1,467.98	NAVAIR	N/A	PX	NSWC INDIAN HEAD DIV, INDIAN HD MD	03/10	03/11	YES
	2011	2,242	1,497.34	NAVAIR	N/A	PX	NSWC INDIAN HEAD DIV, INDIAN HD MD	03/11	03/12	YES
Q5090 *MK149 (M255A1 FLECHETTE) WH	2007	3,328	1,095.11	HUNTSVILLE	N/A	C/CPIF/OPTION	GENERAL DYNAMICS, BURLINGTON, VT	04/07	08/09	YES
	2008	4,134	673.43	HUNTSVILLE	N/A	C/CPIF/OPTION	GENERAL DYNAMICS, BURLINGTON, VT	04/08	08/10	YES
	2009	5,508	568.23	HUNTSVILLE	N/A	C/CPIF/OPTION	GENERAL DYNAMICS, BURLINGTON, VT	04/09	08/11	YES
	2010	2,200	700.64	HUNTSVILLE	N/A	C/CPIF	GENERAL DYNAMICS, BURLINGTON, VT	04/10	08/12	YES
	2011	2,000	714.65	HUNTSVILLE	N/A	C/CPIF/OPTION	GENERAL DYNAMICS, BURLINGTON, VT	04/11	08/13	YES
Q5200 SMOKEY SAM	2009	3,405	144.59	NAVAIR	N/A	PX	NSWC INDIAN HEAD DIV, INDIAN HD MD	04/09	04/10	YES
	2010	3,342	147.48	NAVAIR	N/A	PX	NSWC INDIAN HEAD DIV, INDIAN HD MD	04/10	04/11	YES
	2011	3,376	150.43	NAVAIR	N/A	PX	NSWC INDIAN HEAD DIV, INDIAN HD MD	04/11	04/12	YES
D. REMARKS *Pricing is provided by the Army and incorporates other services' buys.										

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System AIRBORNE ROCKETS, ALL TYPES		A. DATE February 2010			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 - NAVY AMMUNITION					C. P-1 ITEM NOMENCLATURE 015100, AIRBORNE ROCKETS ALL TYPES					SUBHEAD J1Q5	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (\$000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE	
Q5895 2.75" LAUNCHER											
2007	125	8,400.00	NAVAIR	N/A	C/FFP	FLEXIBLE CONCEPTS, ELKHART	11/08	02/09	YES		
2009	92	8,730.19	NAVAIR	N/A	C/FFP	FLEXIBLE CONCEPTS, ELKHART	04/09	04/10	YES		
2010	92	8,904.79	NAVAIR	N/A	C/FFP	FLEXIBLE CONCEPTS, ELKHART	04/10	04/11	YES		
2010 - OCO	360	25,000.00	NAVAIR	N/A	C/FFP	FLEXIBLE CONCEPTS, ELKHART	04/10	04/11	YES		
2011	92	9,082.89	NAVAIR	N/A	C/FFP	FLEXIBLE CONCEPTS, ELKHART	04/11	04/12	YES		
2011 - OCO	600	25,000.00	NAVAIR	N/A	C/FFP	FLEXIBLE CONCEPTS, ELKHART	04/11	04/12	YES		
Q5896 APKWS G&C SECTIONS											
2010	325	16,952.00	NAVAIR	N/A	C/FFP	BAE SYSTEMS, NASHUA NH	04/10	04/11	YES		
2011	600	14,630.00	NAVAIR	N/A	C/FFP	BAE SYSTEMS, NASHUA NH	04/11	04/12	YES		
Q5897 WTU-11/B											
2009	962	472.99	NAVAIR	N/A	C/FFP/OPTION	FLEXIBLE CONCEPTS, ELKHART	03/09	03/10	YES		
2010	963	380.23	NAVAIR	N/A	C/FFP/OPTION	FLEXIBLE CONCEPTS, ELKHART	03/10	03/11	YES		
2011	963	387.83	NAVAIR	N/A	C/FFP/OPTION	FLEXIBLE CONCEPTS, ELKHART	03/10	03/11	YES		
Q5898 MPP											
2010 - OCO	2,500	1,004.00	NAVAIR	N/A	C/CPFF	TBD	03/10	03/11	YES		
2011	100	1,000.00	NAVAIR	N/A	C/CPFF	TBD	03/11	03/12	YES		
2011 - OCO	7,500	1,000.00	NAVAIR	N/A	C/CPFF	TBD	03/11	03/12	YES		
Q5899 M151 / MK 152 WARHEAD											
2011	1,000	900.00	NAVAIR	N/A	PX	NSWC INDIAN HEAD DIV, INDIAN HD MD	03/11	03/12	YES		
2011 - OCO	15,000	500.00	NAVAIR	N/A	PX	NSWC INDIAN HEAD DIV, INDIAN HD MD	03/11	03/12	YES		
D. REMARKS											

BUDGET ITEM JUSTIFICATION SHEET								DATE: February 2010					
P-40													
APPROPRIATION/BUDGET ACTIVITY								P-1 ITEM NOMENCLATURE					
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 - NAVY AMMUNITION								015500, MACHINE GUN AMMUNITION					
Program Element for Code B Items:								Other Related Program Elements					
	Prior Years	ID Code	FY 2009	FY 2010	BASE FY 2011	OCO FY 2011	TOTAL FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total
Quantity													
Cost (\$M)	196.9	A	18.9	92.4	21.0	69.7	90.7	21.1	21.8	21.2	22.0	Cont	Cont
Initial Spares (\$M)													
Total (\$M)	196.9	A	18.9	92.4	21.0	69.7	90.7	21.1	21.8	21.2	22.0	Cont	Cont
Unit Cost (\$M)													
This line funds procurement of 20MM/25MM ammunition used with various aircraft gun systems and includes integrated logistics, product engineering support and product improvement programs. The ammunition procurements fall into two categories: Target Practice (TP) and High Explosive Incendiary (HEI). The TP rounds are used for training and also include Target Practice Tracer (TP-T) rounds. The HEI rounds are used for warfighting and also include Semi Armor Piercing High Explosive Incendiary (SAPHEI) rounds. 20MM rounds are procured in both linkless and linked configurations. The linkless (or bulk) rounds are used in the M61A1/A2 Gun Systems in the F/A-18 Aircraft. The linked rounds are used in the M197 gun on AH-1 aircraft. 25MM rounds are procured in the linkless configuration and are used in the GAU-12 Gun System in the AV-8B aircraft. 30MM rounds are procured in the linked configuration and are used in the MK44 Gun System in the KC-130J aircraft. All 20MM/25MM/30MM ammunitions are procured by the Joint Munitions Command, Rock Island, Illinois. Inert rounds are procured through Naval Surface Warfare Center, Crane, Indiana. FY 09 provided funding to procure 20MM linkless TP PGU-27, 20MM linked TP PGU-27, 20MM linked HEI, 25MM linkless HEI, and inert rounds. FY 10 provides funding to procure 20MM linkless TP PGU-27, 20MM linkless TP-T, 20MM linked TP PGU-27, 20MM linked HEI, inert rounds and 30MM. FY 11 provides funding to procure 20MM linkless TP PGU-27, 20MM linkless TP-T, 20MM linked TP PGU-27, 20MM linked HEI, inert rounds, and 30MM linked TP and HEI. FY 10 OCO provides funding to procure 20MM linkless TP PGU-27, 20MM linked TP PGU-27, 20MM linked HEI, 25MM linkless HEI, 30MM linked TP and 30MM linked HEI. FY 11 OCO provides funding to procure 20MM linkless TP PGU-27, 20MM linkless TP-T, 20MM linked TP PGU-27, 20MM linked HEI, 25MM linkless HEI and 30MM linked HEI.													

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System MACHINE GUN AMMUNITION						DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 - NAVY AMMUNITION				ID Code A	P-1 ITEM NOMENCLATURE/SUBHEAD 015500 MACHINE GUN AMMUNITION/J1Q4							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS									
			Prior Years	FY 2009			FY 2010			FY 2011		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
Q4010	20MM LINKLESS, TP, PGU-27	A	55,251	391,068	11.98	4,685	2,142,516	12.56	26,910	427,586	13.34	5,704
Q4010	20MM LINKLESS, TP, PGU-27-OCO	A								899,550	13.34	12,000
Q4050	20MM LINKLESS, HEI	A	48,394									
Q4060	20MM LINKED, TP, PGU-27	A	19,017	311,936	19.27	6,011	844,494	20.25	17,101	169,330	21.65	3,666
Q4060	20MM LINKED, TP, PGU-27-OCO	A								777,044	21.65	16,823
Q4070	20MM LINKED, HEI	A	39,162	148,755	27.32	4,064	369,778	49.93	18,463	122,820	47.37	5,818
Q4070	20MM LINKED, HEI -OCO	A								340,695	47.37	16,137
Q4080	20MM LINKLESS TP-T	A		36,576	13.67	500	20,292	24.64	500	54,825	27.36	1,500
Q4090	25MM LINKLESS, TP	A										
Q4150	25MM LINKLESS, HEI	A	687	18,322	38.26	701	96,531	38.63	3,729	18,587	39.22	729
Q4150	25MM LINKLESS, HEI-OCO	A								38,246	39.22	1,500
Q4200	INERT ROUND	A	100	5,889	16.98	100	5,714	17.50	100	5,546	18.03	100
Q4210	30MM Linked TP	A					38	26.78	1	36	27.58	1
Q4220	30MM Linked HEI	A					171,948	134.93	23,201	7	138.93	1
Q4220	30MM Linked HEI-OCO	A								166,990	138.93	23,200
Q4800	INTEGRATED LOGISTICS SUPPORT		3,973			538			648			691
Q4830	PRODUCTION ENGINEERING SUPPORT		22,284			1,753			1,185			2,086
Q4850	PRODUCT IMPROVEMENT PROGRAM		7,962			508			557			707
			196,830			18,860			92,395			90,663

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System MACHINE GUN AMMUNITION		A. DATE February 2010		
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 - NAVY AMMUNITION					C. P-1 ITEM NOMENCLATURE 015500, MACHINE GUN AMMUNITION				SUBHEAD J1Q4	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
(Q4010) 20MM LINKLESS, TP, PGU-27										
2007	1,124,738	5.74	JMC, ROCK ISLAND, IL.	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	9/08	7/09	YES	
2008	126,030	11.40	JMC, ROCK ISLAND, IL.	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	9/08	7/09	YES	
2009	391,068	11.98	JMC, ROCK ISLAND, IL.	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/09	4/10	YES	
2010	2,142,516	12.56	JMC, ROCK ISLAND, IL.	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/10	4/11	YES	
2011	427,586	13.34	JMC, ROCK ISLAND, IL.	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/11	4/12	YES	
2011-OCO	899,550	13.34	JMC, ROCK ISLAND, IL.	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/11	4/12	YES	
(Q4050) 20MM LINKLESS, HEI										
2006	717,462	23.51	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/07	4/08	YES	
2008	47,331	24.17	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	9/08	7/09	YES	
(Q4060) 20MM LINKED, TP, PGU-27										
2008	164,368	18.28	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	9/08	7/09	YES	
2009	311,936	19.27	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/09	4/10	YES	
2010	844,494	20.25	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/10	4/11	YES	
2011	169,330	21.65	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/11	4/12	YES	
2011-OCO	777,044	21.65	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/11	4/12	YES	
(Q4070) 20MM LINKED, HEI										
2008	142,066	24.39	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	9/08	7/09	YES	
2009	148,755	27.32	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/09	4/10	YES	
2010	369,778	49.93	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/10	4/11	YES	
2011	122,820	47.37	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/11	4/12	YES	
2011-OCO	340,695	47.37	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/11	4/12	YES	
(Q4080) 20MM LINKLESS, TP-T										
2009	36,576	13.67	JMC, ROCK ISLAND, IL	N/A	C/FFP/OPTION	ATK(Lake City, MO) / GDOT (Marion, IL)	4/09	4/10	YES	
2010	20,292	24.64	JMC, ROCK ISLAND, IL	N/A	C/FFP/OPTION	ATK(Lake City, MO) / GDOT (Marion, IL)	4/10	4/11	YES	
2011	54,825	27.36	JMC, ROCK ISLAND, IL	N/A	C/FFP/OPTION	ATK(Lake City, MO) / GDOT (Marion, IL)	4/11	4/12	YES	
Remarks:										

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System MACHINE GUN AMMUNITION		A. DATE February 2010		
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 - NAVY AMMUNITION					C. P-1 ITEM NOMENCLATURE 015500, MACHINE GUN AMMUNITION				SUBHEAD J1Q4	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
(Q4150) 25MM LINKLESS, HEI										
2008	18,613	36.91	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	9/08	7/09	YES	
2009	18,322	38.26	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/09	4/10	YES	
2010	96,531	38.63	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/10	4/11	YES	
2011	18,587	39.22	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/11	4/12	YES	
2011-OCO	38,246	39.22	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/11	4/12	YES	
(Q4200) INERT ROUND										
2008	6,061	16.50	NSWC CRANE, IN	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	9/08	7/09	YES	
2009	5,889	16.98	NSWC CRANE, IN	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/09	4/10	YES	
2010	5,714	17.50	NSWC CRANE, IN	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/10	4/11	YES	
2011	5,546	18.03	NSWC CRANE, IN	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/11	4/12	YES	
(Q4210) 30MM LINKED, TP, PGU-27										
2010	38	26.78	JMC, ROCK ISLAND, IL.	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/10	4/11	YES	
2011	36	27.58	JMC, ROCK ISLAND, IL.	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/11	4/12	YES	
(Q4220) 30MM LINKED, HEI										
2010	171,948	134.93	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/10	4/11	YES	
2011	7	138.93	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/11	4/12	YES	
2011-OCO	166,990	138.93	JMC, ROCK ISLAND, IL	N/A	C-FFP	ATK(Lake City, MO) / GDOT (Marion, IL)	4/11	4/12	YES	
Remarks:										

BUDGET PRODUCTION SCHEDULE, P-21											DATE		February 2010																	
APPROPRIATION/BUDGET ACTIVITY							Weapon System				P-1 ITEM NOMENCLATURE																			
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS							BA1 - NAVY AMMUNITION				MACHINE GUN AMMUNITION				015500, MACHINE GUN AMMUNITION															
							Production Rate				Procurement Leadtimes																			
Item	Manufacturer's Name and Location						MSR	ECON	MAX	ALT Prior to Oct 1			ALT After Oct 1			Initial Mfg PLT			Reorder Mfg PLT			Total			Unit of Measure					
(Q4010) 20MM, LINKLESS, TP, PGU-27	General Dynamics, Marion, IL/ATK						27	500	1360	6			7						12			19			K					
(Q4050) 20MM LINKLESS, HEI	General Dynamics, Marion, IL/ATK						27	500	1360	6			7						12			19			K					
(Q4060) 20MM, LINKED, TP, PGU-27	General Dynamics, Marion, IL/ATK						27	500	1360	6			7						12			19			K					
(Q4070) 20MM, LINKED, HEI	General Dynamics, Marion, IL/ATK						20	137	370	6			7						12			19			K					
(Q4220) 30MM LINKED, HEI	General Dynamics, Marion, IL/ATK						20	137	370	6			7						12			19			K					
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2008												FISCAL YEAR 2009												B A L
						2007			CALENDAR YEAR 2008									2008			CALENDAR YEAR 2009									
						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, TP, PGU-27/																														
ATK(Lake City, MO) / GDOT (Marion, IL)	07	N	1124.7		1124.7												A										93.8		1030.9	
(Q4050) 20MM LINKLESS, HEI/																														
ATK(Lake City, MO) / GDOT (Marion, IL)	06	N	717.5	358.8	358.7													59.8	59.8	59.8	59.8	59.8	59.7						0.0	
(Q4060) 20MM, LINKED, TP, PGU-27/																														
ATK(Lake City, MO) / GDOT (Marion, IL)	09	N	311.9		311.9																			A					311.9	
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2010												FISCAL YEAR 2011												B A L
						2009			CALENDAR YEAR 2010									2010			CALENDAR YEAR 2011									
						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, TP, PGU-27/																														
ATK(Lake City, MO) / GDOT (Marion, IL)	07	N	1124.7	93.8	1030.9	94	94	94	94	94	94	94	94	90.9															0.0	
	10	N	2142.5		2142.5							A												178.5	178.5	178.5	178.5	178.5	1071.5	
	11	N	1327.1		1327.1																			A					1327.1	
(Q4060) 20MM, LINKED, TP, PGU-27/	09	N	311.9		311.9							50	50	50	50	50	50	11.9											0.0	
ATK(Lake City, MO) / GDOT (Marion, IL)	10	N	844.5		844.5							A												70.4	70.4	70.4	70.4	70.4	422.1	
	11	N	946.4		946.4																			A					946.4	
(Q4070) 20MM, LINKED, HEI/	10	N	369.8		369.8							A												30.8	30.8	30.8	30.8	30.8	185.0	
ATK(Lake City, MO) / GDOT (Marion, IL)	11	N	463.5		463.5																			A					463.5	
(Q4220) 30MM, LINKED, HEI/	10	N	171.9		171.9							A												14.3	14.3	14.3	14.3	14.3	86.1	
ATK(Lake City, MO) / GDOT (Marion, IL)	11	N	167.0		167.0																			A					167.0	

BUDGET PRODUCTION SCHEDULE, P-21																DATE		February 2010									
APPROPRIATION/BUDGET ACTIVITY											Weapon System					P-1 ITEM NOMENCLATURE											
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS											MACHINE GUN AMMUNITION					01550, MACHINE GUN AMMUNITION											
BA1-NAVY AMMUNITION											Production Rate					Procurement Leadtimes											
Item		Manufacturer's Name and Location				MSR	ECON		MAX		ALT Prior to Oct 1		ALT After Oct 1		Initial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure						
(Q4010) 20MM, LINKLESS, TP, PGU-27		General Dynamics, Marion, IL/ATK				27	500		1360		6		7				12		19		K						
(Q4050) 20MM LINKLESS, HEI		General Dynamics, Marion, IL/ATK				27	500		1360		6		7				12		19		K						
(Q4060) 20MM, LINKED, TP, PGU-27		General Dynamics, Marion, IL/ATK				27	500		1360		6		7				12		19		K						
(Q4070) 20MM, LINKED, HEI		General Dynamics, Marion, IL/ATK				20	137		370		6		7				12		19		K						
(Q4220) 30MM LINKED, HEI		General Dynamics, Marion, IL/ATK				20	137		370		6		7				12		19		K						
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2012										FISCAL YEAR 2013										B A L
							2011			CALENDAR YEAR 2012							CALENDAR YEAR 2013										
							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	
(Q4010) 20MM, LINKLESS, TP, PGU-27																											
ATK(Lake City, MO) / GDOT (Marion, IL)		10	N	2142.5	1071	1071.5	178.5	178.5	178.5	178.5	178.5	179.0														0.0	
ATK(Lake City, MO) / GDOT (Marion, IL)		11	N	1327.1		1327.1							110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.5					0.0	
(Q4060) 20MM, LINKED, TP, PGU-27/		10	N	844.5	422.4	422.1	70.4	70.4	70.4	70.4	70.4	70.1														0.0	
ATK(Lake City, MO) / GDOT (Marion, IL)		11	N	946.4		946.4							78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.5					0.0	
(Q4070) 20MM, LINKED, HEI																											
ATK(Lake City, MO) / GDOT (Marion, IL)		10	N	369.8	184.8	185	30.8	30.8	30.8	30.8	30.8	31														0.0	
ATK(Lake City, MO) / GDOT (Marion, IL)		11	N	463.5		463.5							38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.9					0.0	
(Q4220) 30MM, LINKED, HEI/		10	N	171.9	85.8	86.1	14.3	14.3	14.3	14.3	14.3	14.6														0.0	
ATK(Lake City, MO) / GDOT (Marion, IL)		11	N	167		167							13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14	14				0.0	
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2014										FISCAL YEAR 2015										B A L
							2013			CALENDAR YEAR 2014							CALENDAR YEAR 2015										
							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	
Remarks:																											

BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2010					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS\ BA1 - NAVY AMMUNITION								P-1 ITEM NOMENCLATURE 016000, PRACTICE BOMBS					
Program Element for Code B Items: PE: 0204162N								Other Related Program Elements					
	Prior Years	ID Code	FY 2009	FY 2010	Base FY 2011	OCO FY 2011	Total FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total
Quantity							0						
Cost (\$M)	\$587.5	A	\$42.7	\$28.0	\$33.7	\$0.0	\$33.7	\$50.6	\$35.1	\$39.3	\$30.7	Cont	Cont
MISSION DESCRIPTION: Practice Bombs are a low cost alternative to expenditures of live bombs for training. The MK 76 and the BDU-33 sub-caliber Practice Bombs simulate an unretarded MK 80 series bomb. Both are 25 lb cast iron shape with a breach hole for a MK 4 or CXU-3 signal cartridge, which provides a smoke signal cartridge or flash upon impact. The MK 82 Inert is a full-scale Practice Bomb. It is a MK 80 series bomb body filled with an inert material and has the same weight, size, center of gravity and ballistics of a live bomb. These items are procured by the Army Joint Munitions Command (JMC) the Single Manager for Conventional Ammunition. The Enhanced Laser Guided Training Round (ELGTR) is procured directly by the Navy. This round enhances the effective use of the PAVEWAY II Laser Guided Bombs (LGB) precision guided weapon which requires coordination between the aircrew and the laser designator. Development of delivery options and multi-aircraft tactics require extensive, cost effective training. The ELGTR is capable of replicating the kinematics of LGBs to provide increased training capability and follow-on advanced tactics development and is suitable for launch from all Navy and Marine Corps aircraft used to deploy LGBs. ELGTR provides actual hardware for aircrew and tactics development at a greatly reduced cost while maintaining LGB stockpiles. The Production Engineering Support, Integrated Logistics Support and Product Improvement Program are continuing annualized efforts associated with ongoing procurements of the Practice Bombs associated Signal Cartridge, BDU-45/B, MK 76 and the BDU-33, ELGTR, fins and other practice weapons. These efforts include: maintenance of Procurement Data Packages; participation in post-award conference; first article and quality assurance testing; contract production engineering support; technical manual updates; preparation/evaluation/approval of engineering change proposals; and response to fleet inquiries. The Miscellaneous Items line includes low cost items such as M70 series cables, MK 89 Adapters, Arming Wires, Lugs, Nose Plugs, containers, etc. FY09 provides funding to procure MK 76, MK 82 Inert, Enhanced Laser Guided Training Rounds, BDU-48 and associated support. FY10 provides funding to procure MK 82 Inert, Enhanced Laser Guided Training Rounds and associated support. FY11 provides funding to procure MK 82 Inert, Enhanced Laser Guided Training Rounds and associated support.													

WEAPONS SYSTEM COST ANALYSIS P-5										Weapon System		DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA1 - NAVY AMMUNITION										P-1 ITEM NOMENCLATURE 016000, PRACTICE BOMBS			
Cost Code	Element of Cost	ID Code	Total Cost Dollars in Thousands										
			Prior Years	FY 2009			FY 2010			FY 2011			
			Total Cost	QTY	Unit Cost	Total Cost	QTY	Unit Cost	Total Cost	QTY	Unit Cost	Total Cost	
Q1062	MISCELLANEOUS ITEMS	A				1,848			1,694			1,085	
	<u>PROCUREMENTS</u>												
Q1010	MK 76	A		161,532	37.69	6,088							
TBD	BDU-33												
Q1040	MK 82 INERT	A		2,306	1,557.10	3,591	3,322	1,597.87	5,308	3,374	1,629.83	5,500	
Q1300	ENHANCED LASER GUIDED TRAINING ROUND	A		9,303	1,733.00	16,122	9,171	1,767.66	16,211	12,631	1,803.01	22,774	
Q1060	BDU-48	A		65,000	83.07	5,400							
	<u>PROCUREMENT SUPPORT AND OTHER</u>												
Q1800	INTEGRATED LOGISTICS SUPPORT (ILS)					100			100			100	
Q1830	PRODUCTION ENGR SUPPORT (PES)-NAVY					8,840			4,103			3,607	
Q1850	PRODUCT IMPROVEMENT PROGRAM (PIP)					350			350			350	
Q1894	GAGING					200			250			250	
	Acquisition Workforce Fund					164							
	Total		587,457			42,703			28,016			33,666	

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System			A. DATE February 2010	
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA1 - NAVY AMMUNITION						C. P-1 ITEM NOMENCLATURE 016000, PRACTICE BOMBS				SUBHEAD J1Q1
Cost Element/Fiscal Year	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method & Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now	Date Revisions Available
<u>PROCUREMENTS</u>										
MK 76 2009	161,532	37.69	JMC, ROCK ISLAND, IL	Nov 08	C/FP-Option	DELFASCO INC, AFTON, TN	Jan 09	Feb 09	YES	
MK 82 INERT										
2006	16,894	1,268.81	JMC, ROCK ISLAND, IL	Nov 05	SS-FP	GENERAL DYNAMICS, GARLAND, TX	Feb 06	Jan 07	YES	
2009	2,306	1,557.10	JMC, ROCK ISLAND, IL	Nov 08	SS-FP	GENERAL DYNAMICS, GARLAND, TX	Feb 09	Jan 10	YES	
2010	3,322	1,597.87	JMC, ROCK ISLAND, IL	Nov 09	SS-FP	GENERAL DYNAMICS, GARLAND, TX	Feb 10	Jan 11	YES	
2011	3,374	1,629.83	JMC, ROCK ISLAND, IL	Nov 10	SS-FP	GENERAL DYNAMICS, GARLAND, TX	Feb 11	Jan 12	YES	
ENHANCED LASER GUIDED TRAINING ROUND										
2007	9,802	2,319.38	NAVAIR	Aug 04	C/FP-Option	LOCKHEED MARTIN CORPORATION, ARCHBALD, PA	Apr 07	Jan 09	YES	
2008	10,170	1,737.95	NAVAIR	Aug 04	C/FP-Option	LOCKHEED MARTIN CORPORATION, ARCHBALD, PA	May 08	Jan 10	YES	
2009	9,303	1,733.00	NAVAIR	Aug 04	C/FP-Option	LOCKHEED MARTIN CORPORATION, ARCHBALD, PA	Mar 09	Jan 11	YES	
2010	9,171	1,767.66	NAVAIR	Nov 09	C-FP	TBD	Jun 10	Jan 12	YES	
2011	12,631	1,803.01	NAVAIR	Nov 09	C/FP-Option	TBD	Jun 11	Jan 13	YES	
BDU-48 2009	65,000	83.07	JMC, ROCK ISLAND, IL	Feb 08	SS-FP	GTI, INC. Auburndale, FL	Feb 10	Oct 11	YES	

BUDGET PRODUCTION SCHEDULE, P-21														Date: February 2010																					
APPROPRIATION/BUDGET ACTIVITY														Weapon System							P-1 Nomenclature														
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 - NAVY AMMUNITION														016000, PRACTICE BOMBS																					
						Production Rate						Procurement Leadtimes																							
Item		Manufacturer's Name and Location				MSR		ECON		MAX		ALT Prior to Oct 1			ALT After Oct 1			Initial Mfg PLT			Reorder Mfg PLT			Total			Unit of Measure								
MK 76		DELFASCO, AFTON, TN				240,000		504,000		1,400,000					4			1						5			E								
MK 82 INERT		GENERAL DYNAMICS (TX)				7,200		10,800		45,600					5			11			14			30			E								
BDU-48		GTI, INC., Auburndale , FL				48,000		48000		72000					5			8						13			E								
																											E								
ITEM / MANUFACTURER		F Y	S V C	* Q T Y	D E L	B A L	FISCAL YEAR 2008														FISCAL YEAR 2009														B A L
							2007			CALENDAR YEAR 2008											CALENDAR YEAR 2009														
							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																																			
DELFASCO		09	N	161,532	0	161,532														A	13402	13402	13402	13402	13402	13402	13402	13402	13402	54,316					
MK82																																			
GENERAL DYNAMICS		06	N	16,894	11326	5,568																								5,568					
GENERAL DYNAMICS		09	N	2,306	0	2,306													A											2,306					
BDU-48																																			
GTI, INC		09	N	65,000	0	65,000																								65,000					
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2010														FISCAL YEAR 2011														B A L
							2009			CALENDAR YEAR 2010											CALENDAR YEAR 2011														
							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																																			
DELFASCO		09	N	161,532	107216	54,316	18,106	18,105	18,105																						0				
MK82																																			
GENERAL DYNAMICS		06	N	16,894	11,326	5,568					5,568																			0					
GENERAL DYNAMICS		09	N	2,306	0	2,306				2,306																				0					
GENERAL DYNAMICS		10	N	3,322	0	3,322					A								3,322											0					
GENERAL DYNAMICS		11	N	3,374	0	3,374														A										3,374					
BDU-48																																			
GTI, INC.		09	N	65,000	0	65,000					A								5,416	5,416	5,416	5,416	5,416	5,416	5,416	5,416	5,416	5,424	0						
Remarks: *MONTHLY DELIVERIES VARY DEPENDING ON JOINT SERVICE REQUIREMENTS. FOR ALL ITEMS BUT THE LGTR, THE MINIMUM SUSTAINING RATE REPRESENTS THE RATE FOR JOINT SERVICE PROCUREMENTS.																																			

P-1 Line Item No. 5
(Page 5 of 6)

BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2010					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS IBA1 - NAVY AMMUNITION								P-1 ITEM NOMENCLATURE 018000, CARTRIDGE ACTUATED DEVICES/PROPELLANT ACTUATED DEVICES (CAD/PAD)					
Program Element for Code B Items:								Other Related Program Elements					
	Prior Years	ID Code	FY 2009	FY 2010	Base FY 2011	OCO FY 2011	Total FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total
Quantity													
Cost (\$M)	\$368.6		\$43.1	\$47.8	\$53.7	\$0.0	\$53.7	\$54.8	\$55.7	\$56.7	\$57.7	CONT	CONT
<u>Stores Release</u> Stores Release cartridges are utilized to release weapons and other stores from aircraft. The JAU-22/B impulse cartridge is utilized to eject sonobouys, the CCU-107 to release "light" weapons/stores from aircraft, and the CCU-45 (MD65) to release "heavy" weapons/stores. 10 additional distinct stores release CADs, with yearly procurements typically less than \$500K, are procured under the misc devices budget line. <u>Safety</u> Items such as safety/arming devices, sequence controls, shielded mild detonating cords, gas generators, initiators, thrusters, fire extinguisher cartridges, thermal batteries, rocket motors, catapults, etc, are used in aircraft emergency escape and safety systems. The total number and type of devices installed varies with the type of aircraft, for example: F/A-18F(109), T-6A (65), EA-6B(45), T-45(76), T/AV-8(90), MV-22 (63) 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 standard. The devices age at the same rate whether the aircraft is operating in a war time or peace time environment, and thus the requirement is calendar driven. Life support devices such as the Sea Water Activated Release System, FLU-12/P Deck Crew Life Vest Inflator and the FLU-8B/P automatic life vest inflator are essential to crew survival after ejection or being thrown overboard. The budget request provides specific funding for the procurement of Thermal Battery (CWDR), MK 122 Parachute Deployment Rocket Motor (PDRM), MK 123/124 Underseat Rocket Motors (USRM), FLU-8/9/12 Inflators, JAU-74/B initiator/CCU-146/A Cartridge, F-18 DIFRS, Naval Aircrew Common Ejection Seat (NACES), F-18E/F/G and MV-22 fire suppression gas generators, and various T-6A Joint Program Aircraft Training System (JPATS) CAD/PADS. The remaining 621 distinct safety CAD/PADS, with yearly procurements typically less than \$500K, are procured under the misc devices budget line. <u>Integrated Logistics Support</u>: Integrated Logistics Support (ILS) efforts will provide ILS planning, maintenance standardization, supply support, other technical ILS production efforts. <u>Reliability Life</u>: Insures that the CAD/PAD will be acceptable for the assigned service life of the unit as the units are initially fielded through the Product Improvement Program (PIP) and second source efforts. <u>Production Engineering Support</u>: Production Engineering Support (PES) efforts include the development/review of procurement requests, monitoring of the production, disposition of waivers and deviations, and technical support for First Article Testing/Lot Acceptance Testing. <u>Quality Assurance</u>: Provides quality assurance of the product as the lot is being accepted for service use. <u>Product Improvement Programs</u>: PIPs 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 CAD/PADS. Acceptance Testing: Destructive and non-destructive testing of the production lot or qualification samples to insure product acceptability for service use. FY09 provides funding for CCU-107 Impulse cartridge, Thermal Battery (CWDR), MK 122 Parachute Deploy Rocket Motor, MK 124 Underseat Rocket Motor, FLU-8/9/12 Inflators, JAU-74 initiator/CCU-146 cartridge, F-18 DIFRS, NACES CADs, F-18E/F/G & V-22 Fire Suppression Gas Generators, T-6A (JPATS) CADs/PADS, other Miscellaneous CADs Under \$500k and associated support. FY10 provides funding for JAU-22B initiator cartridge, CCU-107 Impulse cartridge, CCU-45 Impulse cartridge, Thermal Battery (CWDR), MK 122 Parachute Deploy Rocket Motor, MK 123/124 Underseat Rocket Motor, FLU-8/9/12 Inflators, JAU-74 initiator/CCU-146 cartridge, F-18 DIFRS, NACES CADs, F-18E/F/G & V-22 Fire Suppression Gas Generators, T-6A (JPATS) CADs/PADS, other Miscellaneous CADs Under \$500k and associated support. FY11 provides funding for JAU-22B initiator cartridge, CCU-107 Impulse cartridge, CCU-45 Impulse cartridge, Thermal Battery (CWDR), MK 122 Parachute Deploy Rocket Motor, MK 123/124 Underseat Rocket Motor, FLU-8/9/12 Inflators, JAU-74 initiator/CCU-146 cartridge, F-18 DIFRS, NACES CADs, F-18E/F/G & V-22 Fire Suppression Gas Generators, T-6A (JPATS) CADs/PADS, other Miscellaneous CADs Under \$500k and associated support.													

WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System CAD/PAD				DATE: February 2010			
APPROPRIATION/BUDGET ACTIVITY						ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD						
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1 NAVY AMMUNITION						A	018000,CARTRIDGE ACTUATED DEVICES/PROPELLANT ACTUATED DEVICES (J1Q8)						
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS										
			Prior Years	FY 2009			FY 2010			FY 2011			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total	
	STORES RELEASE												
Q8090	JAU-22/B INITIATOR CTG (MF64)	A					75,000	22.39	1,679	75,000	23.48	1,761	
Q8200	CCU-107 IMPULSE CTG (MT95/JM92)	A		70,000	12.40	868	180,000	10.38	1,868	180,000	10.89	1,961	
Q8201	CCU-45 Impulse CTG (MD65)	A					75,000	16.72	1,254	75,000	17.28	1,296	
	SAFETY												
Q8060	THERMAL BATTERY (CWDR)	A		186	3,662.06	681	269	4,758.36	1,280	170	5,035.29	856	
Q8070	MK 122 PARACHUTE DEPLOY RCKT MTR (MT29) (1)	A		885		2,773	732		2,705	810	4,808.64	3,895	
Q8071	MK 123 UNDERSEAT ROCKET MOTOR (MT30)	A					15	12,666.67	190	29	12,758.62	370	
Q8081	MK 124 UNDERSEAT ROCKET MOTOR (MT31)	A		103	8,799.97	906	64	12,546.88	803	51	12,549.02	640	
Q8140	FLU-8/9/12 INFLATORS (FW98/BY81/JL09)	A				2,128			2,150			2,717	
Q8160	JAU-74 INIT/CCU-146 CTG (WB15/16)	A				1,961			2,617			2,692	
Q8180	F-18 DIFRS (SR95/WB19)	A				801			1,055			1,725	
Q8300	NAVY AIRCREW COMMON EJECTION SEAT (NACES)	A				965			1,130			912	
Q8301	F-18E/F/G & V-22 FIRE SUPPRESSION GAS GENERATORS	A				1,932			1,661			2,569	
Q8302	T-6A (JPATS) CAD/PADs	A				4,799			4,461			6,323	
Q8600	MISC DEVICES UNDER \$500K (2)	A				10,770			13,485			11,411	
Q8800	INTEGRATED LOGISTICS SUPPORT (ILS)	A				1,197			1,233			1,270	
Q8820	RELIABILITY LIFE	A				791			815			839	
Q8830	PRODUCTION ENGINEERING					4,709			3,550			4,996	
Q8840	QUALITY ASSURANCE					662			682			702	
Q8850	PRODUCT IMPROVEMENT PROGRAM (PIP)					2,862			2,948			3,037	
Q8860	ACCEPTANCE TESTING					3,483			2,287			3,695	
	Total Weapons System		368,635			42,288			47,853			53,667	
	ACQUISITION WORKFORCE FUND					818							
	Total Program Cost		368,635			43,106			47,853			53,667	
NOTE: (1) Requirement split between 2 vendors and organic industrial base. See P5A for unit cost for FY09, FY10 and FY11.													
NOTE: (2) Miscellaneous Devices encompasses the remaining 631 distinct devices procured under this budget item. These devices have yearly budget requirements that typically do not exceed \$500K.													
Totals may not add due to rounding.													

Exhibit P-5, Cost Analysis

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System CAD/PAD		A. DATE February 2010		
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/ BA 1 NAVY AMMUNITION					C. P-1 ITEM NOMENCLATURE 018000, CARTRIDGE ACTUATED DEVICES/PROPELLANT ACTUATED DEVICES				SUBHEAD J1Q8	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
STORES RELEASE										
JAU-22/B INITIATOR CTG (MF64)										
2010	75,000	22.39	NAVICP	Oct-09	C-FP	TBD	Apr-10	Apr-11	Yes	
2011	75,000	23.48	NAVICP	Oct-10	C-FP	TBD	Apr-11	Apr-12	Yes	
CCU-107 IMPULSE CTG (MT95/JM92)										
2009	70,000	12.40	NAVICP	Oct-08	C-FP	Technical Ordnance St. Bonifacius, MN	Aug-09	Apr-10	Yes	
2010	180,000	10.38	NAVICP	Oct-09	C-FP	TBD	Apr-10	Apr-11	Yes	
2011	180,000	10.89	NAVICP	Oct-10	C-FP	TBD	Apr-11	Apr-12	Yes	
CCU-45 IMPULSE CTG MD65										
2010	75,000	16.72	NAVICP	Oct-09	C-FP	TBD	Apr-10	Apr-11	Yes	
2011	75,000	17.28	NAVICP	Oct-10	C-FP	TBD	Apr-11	Apr-12	Yes	
SAFETY										
THERMAL BATTERY (CWDR)										
2009	186	3,662.06	NAVAIR	Oct-08	C-FP	MARTIN-BAKER A/CRT C MIDDLESEX GB	Jan-09	Apr-10	Yes	
2010	269	4,758.36	NAVAIR	Oct-09	C-FP	TBD	Apr-10	Apr-11	Yes	
2011	170	5,035.29	NAVAIR	Oct-10	C-FP	TBD	Apr-11	Apr-12	Yes	

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System CAD/PAD		A. DATE February 2010		
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1					C. P-1 ITEM NOMENCLATURE 018000, CARTRIDGE ACTUATED DEVICES/PROPELLANT ACTUATED DEVICES				SUBHEAD J1Q8	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
MK 122 PARACHUTE DEPLOY RCKT MTR (MT29)	2009	585	3,821.61	NAVICP	Oct-08	C-FP	MARTIN-BAKER A/CRT C MIDDLESEX GB	Jan-09	Apr-10	Yes
		300	1,790.00	SEE NOTE 1			NSWC INDIAN HEAD DIV INDIAN HEAD, MD	n/a	Oct-09	Yes
	2010	281	4,855.90	NAVICP	Oct-09	C-FP	TBD	Apr-10	Apr-11	Yes
		151	5,227.80	NAVICP	Oct-09	C-FP	TBD	Apr-10	Apr-11	Yes
		300	1,826.00	SEE NOTE 1			NSWC INDIAN HEAD DIV INDIAN HEAD, MD		Oct-10	
	2011	810	4,808.64	NAVICP	Oct-10	C-FP	TBD	Apr-11	Apr-12	Yes
	MK 123 UNDERSEAT ROCKET MOTOR (MT30)	2010	15	12,666.67	NAVICP	Oct-09	C-FP	TBD	Apr-10	Apr-11
2011		29	12,758.62	NAVICP	Oct-10	C-FP	TBD	Apr-11	Apr-12	Yes
MK 124 UNDERSEAT ROCKET MOTOR (MT31)		2009	103	8,799.97	NAVICP	Oct-08	C-FP	MARTIN-BAKER A/CRT C MIDDLESEX GB	Jan-09	Apr-10
	2010	64	12,546.88	NAVICP	Oct-09	C-FP	TBD	Apr-10	Apr-11	Yes
	2011	51	12,549.02	NAVICP	Oct-10	C-FP	TBD	Apr-11	Apr-12	Yes
D. REMARKS Note 1: In FY09 and FY10, the MK 122 Parachute Deployment Rocket Motor requirements will be executed as a split award. Approximately 2/3rds of the overall requirement will be executed, along with the F-18E/F/G aircraft production line and FMS requirements, as a 65/35 split between the two qualified commercial sources. The other 300 units will be produced by the organic manufacturing facility located at the NSWC Indian Head Div., Indian Head, MD. The difference in the unit price between the commercial and organic facility is that the propellant and hardware for the organic effort will have already been procured under other funds (misc devices funding line).										

BUDGET ITEM JUSTIFICATION SHEET								DATE:					
P-40								February 2010					
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 - NAVY AMMUNITION								P-1 ITEM NOMENCLATURE 018200 AIR EXPENDABLE COUNTERMEASURES					
Program Element for Code B Items: RDT&E 0604270N								Other Related Program Elements					
	Prior Years	ID Code	FY 2009	FY 2010	Base FY 2011	OCO FY 2011	Total FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total
Quantity													
Cost (\$M)	569.9		95.8	69.6	59.6	33.6	93.3	62.2	64.1	65.4	66.7	CONT	CONT
Initial Spares (\$M)													
Total (\$M)	569.9		95.8	69.6	59.6	33.6	93.3	62.2	64.1	65.4	66.7	CONT	CONT
Unit Cost (\$M)													

The Airborne Expendable Countermeasures (AECM) line provides funding for procurement of countermeasure self-protection devices for all Navy and Marine Corps tactical, rotary and other fixed-wing aircraft. The AECM Program is divided into the following threat related categories: (a) air-launched chaff, (b) Radio Frequency (RF) Active Jammers, (c) Infra-Red (IR) decoys, (d) associated impulse cartridges, and (e) support costs.

Chaff Countermeasures: Procurement of RR-144A training rounds is in support of all airframes except the USMC KC-130J/T. Procurement of the RR144A and 1X1X8" RR188 training rounds are necessary because they do not interfere with Federal Aviation Administration radars. The RR170A is the operational round procured in support of the KC-130J/T and UC-35D.

Active Jammers: The Advanced Airborne Expendable Decoy (AAED), part of the ALE-50 program, is being replaced by the ALE-55 Fiber Optic Towed Decoy (FOTD). The FOTD, when integrated with the rest of the F/A-18E/F EW suite (i.e., ALQ-214, ALR-67(V)3, ALE-47 and ALE-50), the associated cockpit controls, displays and other avionics significantly improves the survivability of the host aircraft in a Radio Frequency (RF) threat environment. The FOTD is part of the Integrated Defensive Electronic Countermeasure (IDECM) Radio Frequency Countermeasure (RFCM) Block 3 (IB-3) program. IOT&E found IB-3 effective, not suitable. Verification of Correction to Deficiencies (VCD) identified during IOT&E is required. VCD activities are underway and are planned to conclude in FY10. AAED and FOTD were developed utilizing RDTE, N, PE 0604270N, Project Unit 2175. The GEN X active RF decoy is dispensed from the ALE-47 system and protects all Navy and Marine Corps fixed wing aircraft from modern surface-to-air and air-to-air threats.

IR Decoys: The MJU-49 is currently used by all aircraft except the KC130J/T. The SM875 is a dedicated, low cost-training device. The MJU57 provides a kinematic Infra-Red Countermeasure. Procurement of advanced spectral countermeasures (M216/MJU-66) will begin in FY 2010 in support of KC-130J/T and UC-35D. If successful, M216 technology will be transitioned to MJU-67. Procurement of MJU-32/38 will continue in support of OIF/OEF and is used by all DoN aircraft.

Impulse Cartridges: Used to propel the self-protection devices away from the aircraft. The Hazards of Electromagnetic Radiation to Ordnance (HERO) safe CCU-136A/A is used by all airframes except the KC-130J. The CCU-145A is a HERO safe version of and will replace the BBU-35.

Support costs: Provide for required Production Engineering, Product Improvement, Quality Assurance, Acceptance Test and Evaluation, and Integrated Logistic Support by NAVAIR engineering/cognizant field activities.

Overseas Contingency Operations (OCO): All OCO funding is being used to procure countermeasure items as follows (dollars in thousands):

	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>
MJU-32	1,200	2612	4,462
MJU-38		2613	2,778
MJU-49	14,605		19,534
MJU-57			5,608
CCU-136	<u>395</u>	<u>276</u>	<u>1,250</u>
TOTAL	16,200	5,501	33,632

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System						DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 - NAVY AMMUNITION				ID Code		P-1 ITEM NOMENCLATURE/SUBHEAD 018200 AIR EXPENDABLE COUNTERMEASURES/Y1QA						
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS									
			Prior Years	FY 2009			FY 2010			FY 2011		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	<u>ACTIVE JAMMERS</u>											
	ALE-50 (AAED) (FY08 SUPPLEMENTAL)	A	54,095									
	ALE-55 (FOTD)	B	20,238	251	55,960.16	14,046	401	58,000.00	23,258	320	53,715.63	17,189
	<u>IR DECOYS</u>											
	MJU-32 DECOY DEVICE	A	18,809	190,804	47.09	8,985	27,353	53.12	1,453	65,364	48.91	3,197
	MJU-32 DECOY DEVICE (OCO)	A		25,483	47.09	1,200	49,172	53.12	2,612	91,228	48.91	4,462
	MJU-38 DECOY DEVICE	A	16,768	153,541	41.70	6,403	29,147	49.85	1,453	48,041	49.02	2,355
	MJU-38 DECOY DEVICE (OCO)	A					52,417	49.85	2,613	56,679	49.02	2,778
	MJU-49/B DECOY DEVICE	A	135,776	113,670	97.00	11,026	60,000	119.29	7,157	35,972	121.32	4,364
	MJU-49/B DECOY DEVICE (OCO)	A		150,567	97.00	14,605				161,012	121.32	19,534
	MJU-55 COMPANION	A	20,105									
	MJU-57 KINEMATIC	A	35,163				40,000	176.87	7,075	35,102	179.88	6,314
	MJU-57 KINEMATIC (OCO)	A								31,176	179.88	5,608
	M216 KJ/MJU-66	A					44,000	191.76	8,437	8,025	195.02	1,565
	MJU-67	A								10,000	204.00	2,040
	SM875B	A	14,515	204,000	14.45	2,948	81,836	25.71	2,104	97,716	26.15	2,555
	<u>IMPULSE CARTRIDGES</u>											
	CCU-136A/A (HERO SAFE)	A	27,639	54,255	3.76	204	350,000	3.45	1,208	423,077	4.16	1,760
	CCU-136A/A (HERO SAFE) (OCO)	A		105,000	3.76	395	80,000	3.45	276	300,480	4.16	1,250
	CCU-145A	A		166,000	10.00	1,660	226,400	10.18	2,305	128,368	10.35	1,329
	<u>CHAFF COUNTERMEASURES</u>											
	RR-144A TRAINING CHAFF	A	7,394	212,596	11.75	2,498	86,400	12.50	1,080	86,608	12.71	1,101
	RR-170A CHAFF 1X1	A	336							76,042	2.88	219
	RR-188 CHAFF	A		19,320	3.11	60	20,000	3.06	61	19,923	3.11	62
	<u>SUPPORT COSTS</u>											
	INTEGRATED LOGISTICS SUPPORT		9,660			2,403			506			984
	PRODUCTION ENGINEERING SUPPORT		59,483			8,022			2,895			3,757
	PRODUCT IMPROVEMENT PROGRAM		65,402			10,493			2,803			5,721
	ACCEPTANCE TEST & EVALUATION		84,496			10,591			2,309			5,114
	Acquisition Workforce					231						
			569,879			95,770			69,605			93,258

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System			A. DATE		
									February 2010		
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE					SUBHEAD	
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS										Y1QA	
BA1 - NAVY AMMUNITION					018200 AIR EXPENDABLE COUNTERMEASURES						
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE	
ACTIVE JAMMERS											
ALE-50 (AAED)											
(OCO) FY 2008	249	24,518.00	WARNER ROBINS AFB, GA	Jan-07	SS-FP	RAYTHEON CO., GOLETA, CA	Sep-08	Aug-09	YES		
ALE-55 (FOTD)											
FY 2008	150	88,686.00	NAVAIR	Jan-08	SS-FP	BAE SYSTEMS, NASHUA, NH	Jun-08	Dec-09	YES		
FY 2009	251	55,960.16	NAVAIR	Jan-08	SS-FP	BAE SYSTEMS, NASHUA, NH	Apr-09	Aug-10	YES		
FY 2010	401	58,000.00	NAVAIR	Sep-09	SS-FP	BAE SYSTEMS, NASHUA, NH	Mar-10	May-11	YES		
FY 2011	320	53,715.63	NAVAIR	Sep-10	SS-FP	BAE SYSTEMS, NASHUA, NH	Mar-11	May-12	YES		
IR DECOYS											
MJU-32 DECOY DEVICE											
FY 2008	14,196	47.09	NAVICP	Oct-08	C-FP	KILGORE FLARES LLC, TOONE, TN	May-09	Nov-09	YES		
FY 2008	70,497	36.20	CAAA	Oct-08	MIPR	CRANE ARMY AMMUNITION ACTIVITY, IN (CAAA)	Mar-09	Nov-09	YES		
FY 2009	190,804	47.09	NAVICP	Oct-08	C-FP	KILGORE FLARES LLC, TOONE, TN	Apr-09	Oct-09	YES		
(OCO) FY 2009	25,483	47.09	NAVICP	Oct-09	C-FP	KILGORE FLARES LLC, TOONE, TN	Jan-10	Jun-10	YES		
FY 2010	27,353	53.12	NAVICP	Oct-09	C-FP	KILGORE FLARES LLC, TOONE, TN	Jan-10	Oct-10	YES		
(OCO) FY 2010	49,172	53.12	NAVICP	Oct-09	C-FP	KILGORE FLARES LLC, TOONE, TN	Jan-10	Oct-10	YES		
FY 2011	65,364	48.91	NAVICP	Oct-10	C-FP	KILGORE FLARES LLC, TOONE, TN	Jan-11	Jun-11	YES		
(OCO) FY 2011	91,228	48.91	NAVICP	Oct-10	C-FP	KILGORE FLARES LLC, TOONE, TN	Jan-11	Jun-11	YES		
MJU-38 DECOY DEVICE											
FY 2008	36,583	41.70	NAVICP	Aug-08	C-FP	ARMTEC DEFENSE INC, COACHELLA, CA	Apr-09	Oct-09	YES		
FY 2009	153,541	41.70	NAVICP	Oct-08	C-FP	ARMTEC DEFENSE INC, COACHELLA, CA	Apr-09	Nov-09	YES		
FY 2010	29,147	49.85	NAVICP	Oct-09	C-FP	ARMTEC DEFENSE INC, COACHELLA, CA	Jan-10	Jun-10	YES		
(OCO) FY 2010	52,417	49.85	NAVICP	Oct-09	C-FP	ARMTEC DEFENSE INC, COACHELLA, CA	Jan-10	Jun-10	YES		
FY 2011	48,041	49.02	NAVICP	Oct-10	C-FP	ARMTEC DEFENSE INC, COACHELLA, CA	Jan-11	Jun-11	YES		
(OCO) FY 2011	56,679	49.02	NAVICP	Oct-10	C-FP	ARMTEC DEFENSE INC, COACHELLA, CA	Jan-11	Jun-11	YES		
MJU-49/B DECOY DEVICE											
(OCO) FY 2008	57,976	114.27	NAVICP	Jun-08	SS-FP	ALLOY SURFACES, INC., ASTON, PA	Jun-08	Jul-09	YES		
FY 2009	113,670	97.00	NAVICP	May-08	SS-FP	ALLOY SURFACES, INC., ASTON, PA	Jun-09	Mar-10	YES		
(OCO) FY 2009	150,567	97.00	NAVICP	May-08	SS-FP	ALLOY SURFACES, INC., ASTON, PA	Sep-09	Sep-10	YES		
FY 2010	60,000	119.29	NAVICP	May-08	SS-FP	ALLOY SURFACES, INC., ASTON, PA	Feb-10	Feb-11	YES		
FY 2011	35,972	121.32	NAVICP	May-08	SS-FP	ALLOY SURFACES, INC., ASTON, PA	Dec-10	Jul-11	YES		
(OCO) FY 2011	161,012	121.32	NAVICP	May-08	SS-FP	ALLOY SURFACES, INC., ASTON, PA	Dec-10	Jul-11	YES		

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System			A. DATE		
									February 2010		
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE					SUBHEAD	
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS										Y1QA	
BA1 - NAVY AMMUNITION					018200 AIR EXPENDABLE COUNTERMEASURES						
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE	
MJU-55 COMPANION											
FY 2007	14,400	150.34	CAAA	Dec-06	MIPR	CRANE ARMY AMMUNITION ACTIVITY, IN (CAAA)	Mar-07	Oct-08	YES		
(OCO) FY 2007	17,280	150.34	CAAA	Jun-07	MIPR	CRANE ARMY AMMUNITION ACTIVITY, IN (CAAA)	Jun-07	Dec-08	YES		
FY 2008	36,450	121.63	CAAA	Dec-07	MIPR	CRANE ARMY AMMUNITION ACTIVITY, IN (CAAA)	Mar-08	Aug-08	YES		
MJU-57 KINEMATIC											
FY 2006	11,520	583.67	CAAA	Jan-06	MIPR	CRANE ARMY AMMUNITION ACTIVITY, IN (CAAA)	Feb-06	May-09	YES		
FY 2007	27,750	281.80	CAAA	Oct-06	MIPR	CRANE ARMY AMMUNITION ACTIVITY, IN (CAAA)	Nov-06	Oct-09	YES		
(OCO) FY 2007	19,049	281.80	CAAA	May-07	MIPR	CRANE ARMY AMMUNITION ACTIVITY, IN (CAAA)	Jun-07	Jul-10	YES		
FY 2008	40,000	197.08	CAAA	Jan-08	MIPR	CRANE ARMY AMMUNITION ACTIVITY, IN (CAAA)	Apr-08	Jun-09	YES		
FY 2010	40,000	176.87	NAVICP	Dec-09	C-FP	TBD	Mar-10	Nov-10	YES		
FY 2011	35,102	179.88	NAVICP	Dec-10	C-FP	TBD	Jan-11	Jul-11	YES		
(OCO) FY 2011	31,176	179.88	NAVICP	Dec-10	C-FP	TBD	Jan-11	Jul-11	YES		
MJU-61											
FY 2007	2,000	70.56	CAAA	Jan-07	MIPR	CRANE ARMY AMMUNITION ACTIVITY, IN	Feb-07	Jul-07	YES		
M216/MJU-66											
FY 2010	44,000	191.76	NAVICP	Jan-10	C-FP	TBD	Mar-10	Nov-10	NO	Sep-09	
FY 2011	8,025	195.02	NAVICP	Jan-11	C-FP	TBD	Mar-11	Nov-11	NO	Sep-09	
MJU-67											
FY 2011	10,000	204.00	NAVICP	Jan-11	C-FP	TBD	Mar-11	Aug-11	NO	Sep-10	
SM-875B											
FY 2008	200,000	24.72	NAVICP	Jan-08	C-FP	ARMTEC DEFENSE INC, COACHELLA, CA	Mar-08	Nov-08	YES		
FY 2009	204,000	14.45	NAVICP	Jan-09	C-FP	ARMTEC DEFENSE INC, COACHELLA, CA	Feb-09	Jan-10	YES		
FY 2010	81,836	25.71	NAVICP	Jan-10	C-FP	TBD	May-10	Nov-10	YES		
FY 2011	97,716	26.15	NAVICP	Jan-11	C-FP	TBD	May-11	Nov-11	YES		
D. REMARKS											

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2010			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 - NAVY AMMUNITION					C. P-1 ITEM NOMENCLATURE 018200 AIR EXPENDABLE COUNTERMEASURES				SUBHEAD Y1QA	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
IMPULSE CARTRIDGES CCU-136A/A (HERO SAFE)										
FY 2007	545,983	3.76	NAVICP	Dec-06	C-FP	CAPCO, INC GRAND JUNCTION, CO	May-09	Oct-09	YES	
FY 2008	1,023,970	3.69	NAVICP	Dec-07	C-FP	CAPCO, INC GRAND JUNCTION, CO	Jul-08	Oct-08	YES	
FY 2009	54,255	3.76	NAVICP	Dec-08	C-FP	CAPCO, INC GRAND JUNCTION, CO	May-09	Oct-09	YES	
(OCO) FY 2009	105,000	3.76	NAVICP	Aug-09	C-FP	CAPCO, INC GRAND JUNCTION, CO	Aug-09	Feb-10	YES	
FY 2010	350,000	3.45	NAVICP	Dec-09	C-FP	TBD	May-10	Sep-10	YES	
(OCO) FY 2010	80,000	3.45	NAVICP	Dec-09	C-FP	TBD	May-10	Sep-10	YES	
FY 2011	423,077	4.16	NAVICP	Dec-10	C-FP	TBD	May-11	Sep-11	YES	
(OCO) FY 2011	300,480	4.16	NAVICP	Dec-10	C-FP	TBD	May-11	Sep-11	YES	
CCU-145A										
FY 2004	60,000	10.00	NAVICP	Jun-04	C-FP	STRESAU WEST, INC EDMONT, SC	Feb-06	May-07	YES	
FY 2005	62,178	9.58	NAVICP	Jun-05	C-FP	STRESAU WEST, INC EDMONT, SC	Feb-06	Feb-08	YES	
FY 2009	166,000	10.00	NAVICP	Jan-09	C-FP	CAPCO, INC GRAND JUNCTION, CO	Oct-09	Nov-09	YES	
FY 2010	226,400	10.18	NAVICP	Jan-10	C-FP	TBD	May-10	Nov-09	YES	
FY 2011	128,368	10.35	NAVICP	Jan-11	C-FP	TBD	May-11	Oct-11	YES	
CHAFF RR-144A TRAINING CHAFF										
FY 2009	212,596	11.75	NAVICP	Jan-09	C-FP	ARMTEC DEFENSE INC, COACHELLA, CA	Jan-09	May-09	YES	
FY 2010	86,400	12.50	NAVICP	Jan-10	C-FP	TBD	Apr-10	Dec-10	YES	
FY 2011	86,608	12.71	NAVICP	Jan-11	C-FP	TBD	Apr-11	Dec-11	YES	
RR-170A CHAFF 1X1										
FY 2011	76,042	2.88	NAVICP	Oct-10	C-FP	TBD	May-11	Mar-12	YES	
RR-188 CHAFF										
FY 2009	19,320	3.11	NAVICP	Dec-08	C-FP	ARMTEC DEFENSE INC, COACHELLA, CA	Dec-08	Jun-09	YES	
FY 2010	20,000	3.06	NAVICP	Jan-10	C-FP	TBD	Apr-10	Dec-10	YES	
FY 2011	19,923	3.11	NAVICP	Jan-11	C-FP	TBD	Apr-11	Dec-11	YES	
D. REMARKS										

[illegible]

BUDGET ITEM JUSTIFICATION SHEET**P-40**

DATE:

February 2010

APPROPRIATION/BUDGET ACTIVITY

PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS**BA1 - NAVY AMMUNITION**

P-1 ITEM NOMENCLATURE

019400, JET ASSISTED TAKE OFF (JATOS)

Program Element for Code B Items:

Other Related Program Elements

	Prior Years	ID Code	FY 2009	FY 2010	Base FY 2011	OCO FY 2011	Total FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total
Quantity													
Cost (\$M)	44.4	A	3.2	3.2	2.9	0.0	2.9	2.9	3.0	3.0	3.1	Cont	Cont
Initial Spares (\$M)													
Total (\$M)	44.4		3.2	3.2	2.9	0.0	2.9	2.9	3.0	3.0	3.1	Cont	Cont
Unit Cost (\$M)													

MISSION DESCRIPTION: The JATOs currently in production is the MK117. JATOs are relatively small solid propellant rocket motors used to assist aircraft during takeoff as well as launch target drones and Unmanned Aerial Vehicles (UAV).

Intended use: Two MK117s are used to launch one BQM 74C target.

Product Improvement: Safety and reliability product improvement to qualify alternative hardware.

The current budget profile provides funding for MK117 procurement and associated support costs.

P-1 Line Item No. 8
(Page 2 of 2)

CLASSIFICATION:		UNCLASSIFIED													
Exhibit P-40, BUDGET ITEM JUSTIFICATION								DATE February 2010							
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1							P-1 LINE ITEM NOMENCLATURE 5 INCH/54 GUN AMMUNITION SUBHEAD NO. A1AC BLI: 0250								
Program Element for Code B Items SUBHEAD NO. A1AC							Other Related Program Elements								
	Prior Years	ID Code		FY 2009	FY 2010	BASELINE FY 2011	OCO FY 2011	TOTAL FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total	
Quantity	0			0	0	0	0	0	0	0	0	0	0	0	
COST (In Millions)	85.0			20.9	23.4	34.5	0.0	34.5	41.0	43.6	39.5	40.4	0.0	328.3	
PROGRAM DESCRIPTION/JUSTIFICATION: 5"/54 ammunition is fired from cruiser and destroyer types of combatant ships against air, surface, and shore targets. Program procures three types of propelling charges, five types of high-explosive projectiles, two specialty projectiles, two pure training rounds and several ancillary rounds (dummy, gage and test). Program also supports newly developed multi-function fuze and multi-option fuze modernization.															
AC100 - PROCUREMENT The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests. Costs associated with Transportation Account Code (TAC) are for first destination of delivery of production items. Unit costs and quantities will be adjusted during year of execution.															
AC830 - 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.															
AC850 - 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.															
AC893 - 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.															
AC894 - GAUGE REQUIREMENTS 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.															

CLASSIFICATION:		UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION (CONTINUATION)		DATE February 2010	
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1		P-1 LINE ITEM NOMENCLATURE 5 INCH/54 GUN AMMUNITION SUBHEAD NO. A1AC BLI: 0250	
AC895 - 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. AC102 - CONGRESSIONAL ADD Ammunition being procured with Congressional funding. AC101 - SUPPLEMENTAL Ammunition being procured with supplemental funding. ACG86 - OVERSEAS CONTINGENCY OPERATIONS (OCO) Ammunition being procured with OCO funding.			

CLASSIFICATION:			UNCLASSIFIED									
EXHIBIT P-5 COST ANALYSIS				Weapon System							DATE February 2010	
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1				ID Code 025000		P-1 LINE ITEM NOMENCLATURE 5 INCH/54 GUN AMMUNITION SUBHEAD NO. A1AC						
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN MILLIONS OF DOLLARS									
			Prior Years	FY 2009			FY 2010			FY 2011		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	<u>EQUIPMENT</u>											
AC100	<u>5"/54 AMMUNITION COMPONENTS</u>											
	D326 5/54 CHG, PROP, FULL	D326	31.515		0.000	0.000	0	0.000	0.000	0	0.000	0.000
	PROJ, 5"/54 KE-ET	DA15	0.118	6408	1.206	7.730	0	0.000	0.000	0	0.000	0.000
	5"/54 PROJ, MULTI OPTION FUZE	DA48	5.259	4992	1.527	7.625	11785	1.653	19.480	17472	1.640	28.657
	MK 9 CARTRIDGE CASE	DDCC	1.489	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	MK45 PRIMERS	N641	5.982	9973	0.140	1.399		0.000	0.000	0	0.000	0.000
	TRANSPORTATION ACCT CODE		0.396		0.000	0.000	0	0.000	0.414	0	0.000	0.423
	PE/QA SMCA		0.054		0.000	0.033	0	0.000	0.034	0	0.000	0.035
AC101	<u>SUPPLEMENTAL</u>											
	PROJ, 5"/54 KE-ET	DA15	8.244	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	MULTI OPTION FUZE	MOFN	2.756	0	0.000	0.000		0.000	0.000	0	0.000	0.000
AC830	PRODUCTION ENGINEERING		6.497	0	0.000	2.936	0	0.000	2.510	0	0.000	2.848
AC850	PRODUCT IMPROVEMENT		8.991		0.000	0.818	0	0.000	0.187		0.000	2.133
AC893	RENOVATION COMPONENTS		12.294	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
AC894	GAUGE REQUIREMENTS		0.935	0	0.000	0.254	0	0.000	0.387	0	0.000	0.396
AC895	NON-STANDARD		0.426	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
ACG86	<u>OVERSEAS CONTINGENCY OPERATIONS</u>											
	OVERSEAS CONTINGENCY OPERATIONS	DA48	0.000	0	0.000	0.000	213	1.653	0.352	0	0.000	0.000

CLASSIFICATION:			UNCLASSIFIED											
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)				Weapon System							DATE February 2010			
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1				ID Code 025000		P-1 LINE ITEM NOMENCLATURE 5 INCH/54 GUN AMMUNITION SUBHEAD NO. A1AC								
COST CODE	ELEMENT OF COST			ID Code	TOTAL COST IN MILLIONS OF DOLLARS									
					Prior Years	FY 2009			FY 2010			FY 2011		
					Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
WAXXX	ACQUISITION WORKFORCE FUND - 2009				0.000	0	0.000	0.102	0	0.000	0.000	0	0.000	0.000
	TOTAL EQUIPMENT				84.956			20.897			23.364			34.492
	TOTAL				84.956			20.897			23.364			34.492

CLASSIFICATION:					UNCLASSIFIED					
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System				DATE February 2010	
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE 5 INCH/54 GUN AMMUNITION BLIN: 0250				SUBHEAD A1AC	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAIL NOW	DATE REVISIONS AVAILABLE
FY 2009										
AC100 5"/54 AMMUNITION COMPONENTS										
PROJ, 5"/54 KE-ET	6408	1.206	JMC ROCK ISLAND	DEC-09	MIPR	UNKNOWN	MAY-10	MAY-12	YES	
5"/54 PROJ, MULTI OPTION FUZE	4992	1.527	JMC ROCK ISLAND	JUN-09	MIPR	CRANE AAA	SEP-09	JAN-12	YES	
MK45 PRIMERS	9973	0.140	JMC ROCK ISLAND	DEC-08	CONTRACT	DAY & ZIMMERMANN INC,	JUL-09	SEP-11	YES	
FY 2010										
ACG86 OVERSEAS CONTINGENCY OPERATIONS										
OVERSEAS CONTINGENCY OPERATIONS	213	1.653	JMC ROCK ISLAND	DEC-09	CONTRACT	UNKNOWN	MAY-10	FEB-12		SEP-09
AC100 5"/54 AMMUNITION COMPONENTS										
5"/54 PROJ, MULTI OPTION FUZE	11785	1.653	JMC ROCK ISLAND	DEC-09	CONTRACT	UNKNOWN	MAY-10	FEB-12		SEP-09
FY 2011										
AC100 5"/54 AMMUNITION COMPONENTS										
5"/54 PROJ, MULTI OPTION FUZE	17472	1.640	JMC ROCK ISLAND	OCT-10	CONTRACT	UNKNOWN	MAR-11	JAN-13		JUL-10
Remarks:										
NOTE: All items shown are priced with available GFM.										

CLASSIFICATION:		UNCLASSIFIED																																			
EXHIBIT P-21, PRODUCTION SCHEDULE																				DATE: February 2010																	
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1															Weapon System					P-1 LINE ITEM NOMENCLATURE 5 INCH/54 GUN AMMUNITION BLI: 0250																	
						Production Rate					Procurement Leadtimes																										
Item		Manufacturer's Name and Location				MSR	ECON	MAX			ALT Prior to Oct 1			ALT After Oct 1			Initial Mfg PLT			Reorder Mfg PLT			Total			Unit of Measure											
5"/54 PROJ, MULTI OPTION FUZE		UNKNOWN				4500	20000	60000			6			6			23			23			29			K											
PROJ, 5"/54 KE-ET		UNKNOWN				2500	3000	6000			5			5			31			31			36			K											
ITEM		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2009															FISCAL YEAR 2010															B A L
							CY 2008			CALENDAR YEAR 2009												CALENDAR YEAR 2010															
							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							
5"/54 PROJ, MULTI OPTION FUZE		2009	N	5	0	5											A												5								
5"/54 PROJ, MULTI OPTION FUZE		2010	N	12	0	12																			A				12								
5"/54 PROJ, MULTI OPTION FUZE		2011	N	17	0	17																							17								
PROJ, 5"/54 KE-ET		2009	N	6	0	6																			A				6								
ITEM		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2011															FISCAL YEAR 2012															B A L
							CY 2010			CALENDAR YEAR 2011												CALENDAR YEAR 2012															
							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							
5"/54 PROJ, MULTI OPTION FUZE		2009	N	5	0	5															3	2							0								
5"/54 PROJ, MULTI OPTION FUZE		2010	N	12	0	12															1	3	3	3	2			0									
5"/54 PROJ, MULTI OPTION FUZE		2011	N	17	0	17						A																17									
PROJ, 5"/54 KE-ET		2009	N	6	0	6																		2	4			0									
Remarks:																																					
FY09 - 5"54 KE-ET quantity 6408 and deliveries begin May 2012.																																					
FY09 - 5"54 Proj, Multi Option Fuze quantity 4992 and deliveries begin January 2012.																																					
FY10 - 5"54 Proj, Multi Option Fuze quantity 11785 and deliveries begin February 2012.																																					
FY11 - 5"54 Proj, Multi Option Fuze quantity 17472 and deliveries begin January 2013.																																					

CLASSIFICATION:		UNCLASSIFIED																																
EXHIBIT P-21, PRODUCTION SCHEDULE																		DATE: February 2010																
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1														Weapon System				P-1 LINE ITEM NOMENCLATURE 5 INCH/54 GUN AMMUNITION BLI: 0250																
						Production Rate			Procurement Leadtimes																									
Item		Manufacturer's Name and Location				MSR	ECON	MAX	ALT Prior to Oct 1		ALT After Oct 1		Initial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure															
5"/54 PROJ, MULTI OPTION FUZE		UNKNOWN				4500	20000	60000	6		6		23		23		29		K															
PROJ, 5"/54 KE-ET		UNKNOWN				2500	3000	6000	5		5		31		31		36		K															
ITEM		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2013												FISCAL YEAR 2014												B A L			
							CY 2012			CALENDAR YEAR 2013												CALENDAR YEAR 2014												
							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				
5"/54 PROJ, MULTI OPTION FUZE		2011	N	17	0	17				3	3	3	3	3	2																0			
ITEM		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2015												FISCAL YEAR 2016												B A L			
							CY 2014			CALENDAR YEAR 2015												CALENDAR YEAR 2016												
							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				
Remarks: FY09 - 5"54 KE-ET quantity 6408 and deliveries begin May 2012. FY09 - 5"54 Proj, Multi Option Fuze quantity 4992 and deliveries begin January 2012. FY10 - 5"54 Proj, Multi Option Fuze quantity 11785 and deliveries begin February 2012. FY11 - 5"54 Proj, Multi Option Fuze quantity 17472 and deliveries begin January 2013.																																		

CLASSIFICATION:		UNCLASSIFIED													
Exhibit P-40, BUDGET ITEM JUSTIFICATION								DATE February 2010							
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1							P-1 LINE ITEM NOMENCLATURE INTERMEDIATE CALIBER GUN AMMUNITION SUBHEAD NO. A1AL BLI: 0266								
Program Element for Code B Items SUBHEAD NO. A1AL							Other Related Program Elements								
	Prior Years	ID Code		FY 2009	FY 2010	BASELINE FY 2011	OCO FY 2011	TOTAL FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total	
Quantity	0			0	0	0	0	0	0	0	0	0	0	0	
COST (In Millions)	29.5			1.5	25.9	37.2	0.0	37.2	37.5	38.1	38.7	39.4	0.0	247.8	
PROGRAM DESCRIPTION/JUSTIFICATION: The intermediate caliber cartridge is a family of fixed rounds of ammunition for use in shipboard intermediate caliber gun weapon systems (GWS). Navy's primary use for an intermediate caliber GWS will be to address both surface and air targets. United States Coast Guard's (USCG) primary use is drug interdiction, homeland defense, and Visit, Board, Search and Seize (VBSS). Intermediate caliber GWS are currently employed on US Navy guided missile frigates (FFGs) and US Coast Guard Cutters. An intermediate caliber GWS is designated for use on the new Littoral Combat Ship (LCS) and DD(X) class of US Navy ships and the USCG National Security Cutter. The program procures both High Explosive service rounds as well as Target Practice and dummy rounds for this GWS.															
AL100 - PROCUREMENT The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests. Cost associated with the Transportation Account Code (TAC) are for first destination of delivery of production items. Unit costs and quantities will be adjusted during the year of execution.															
AL830 - 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.															
AL850 - 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.															
AL894 - GAUGE REQUIREMENTS 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.															

CLASSIFICATION:		UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION (CONTINUATION)		DATE	February 2010
APPROPRIATION/BUDGET ACTIVITY		P-1 LINE ITEM NOMENCLATURE	
PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1		INTERMEDIATE CALIBER GUN AMMUNITION	
		SUBHEAD NO. A1AL BLI: 0266	
AL895 - 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. Ammo procured with these funds is procured both through Single Manager for Conventional Ammunition (SMCA) and Naval Surface Warfare Centers. The most recent SMCA standard/non-standard price list has been used in pricing the SMCA-procured ammo. Pricing Non-SMCA items has been developed using engineering estimates and recent contract pricing.			
AL101 - SUPPLEMENTAL Ammunition being procured with supplemental funding.			

CLASSIFICATION:			UNCLASSIFIED											
EXHIBIT P-5 COST ANALYSIS				Weapon System							DATE February 2010			
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1				ID Code 026600		P-1 LINE ITEM NOMENCLATURE INTERMEDIATE CALIBER GUN AMMUNITION SUBHEAD NO. A1AL								
COST CODE	ELEMENT OF COST			ID Code	TOTAL COST IN MILLIONS OF DOLLARS									
					Prior Years	FY 2009			FY 2010			FY 2011		
					Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AL100	EQUIPMENT			57DM BA22 BA23										
	TRANSPORTATION ACCT CODE				0.180	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	INTERMEDIATE CALIBER GUN AMMUNITION COMPONENTS													
	CART., 57MM DUMMY, RAMMABLE				0.000	0	0.000	0.000	0	0.000	0.000	450	1.653	0.744
	CART., 57MM, 3P MK295				22.339	0	0.000	0.000	4028	3.908	15.743	6734	3.998	26.924
AL101	CART., 57MM TP MK296			BA23	4.635	0	0.000	0.000	5664	1.607	9.101	5167	1.644	8.493
	SUPPLEMENTAL			BA22										
	CART., 57MM, 3P MK 295				0.027	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
AL830	PRODUCTION ENGINEERING				2.153	0	0.000	1.031	0	0.000	0.998	0	0.000	1.020
AL894	GAUGE REQUIREMENTS				0.213	0	0.000	0.048	0	0.000	0.052	0	0.000	0.053
WAXXX	ACQUISITION WORKFORCE FUND - 2009				0.000	0	0.000	0.389	0	0.000	0.000	0	0.000	0.000
	TOTAL EQUIPMENT				29.547			1.468			25.894			37.234
	TOTAL				29.547			1.468			25.894			37.234

CLASSIFICATION:					UNCLASSIFIED					
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System				DATE February 2010	
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE INTERMEDIATE CALIBER GUN AMMUNITION BLIN: 0266				SUBHEAD A1AL	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAIL NOW	DATE REVISIONS AVAILABLE
FY 2010										
AL100 INTERMEDIATE CALIBER GUN AMMUNITION COMPONENTS										
CART., 57MM, 3P MK295	4028	3.908	NSWC INDIAN HEAD	OCT-09	CONTRACT	UNKNOWN	MAR-10	MAR-13	YES	
CART., 57MM TP MK296	5664	1.607	NSWC INDIAN HEAD	OCT-09	CONTRACT	UNKNOWN	MAR-10	MAR-11	YES	
FY 2011										
AL100 INTERMEDIATE CALIBER GUN AMMUNITION COMPONENTS										
CART., 57MM DUMMY, RAMMABLE	450	1.653	NSWC INDIAN HEAD	OCT-10	CONTRACT	UNKNOWN	FEB-11	OCT-12		JUL-10
CART., 57MM, 3P MK295	6734	3.998	NSWC INDIAN HEAD	OCT-10	CONTRACT	UNKNOWN	MAR-11	MAR-14	YES	
CART., 57MM TP MK296	5167	1.644	NSWC INDIAN HEAD	OCT-10	CONTRACT	UNKNOWN	MAR-11	MAR-12		JUL-10
Remarks:										
NOTE: All items shown are priced with available GFM.										

CLASSIFICATION:		UNCLASSIFIED																													
EXHIBIT P-21, PRODUCTION SCHEDULE																		DATE: February 2010													
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1														Weapon System				P-1 LINE ITEM NOMENCLATURE INTERMEDIATE CALIBER GUN AMMUNITION BLI: 0266													
						Production Rate			Procurement Leadtimes																						
Item		Manufacturer's Name and Location				MSR	ECON	MAX	ALT Prior to Oct 1		ALT After Oct 1		Initial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure												
CART., 57MM, 3P MK295		UNKNOWN				10000	12600	35280	6		6		24		24		30		K												
CART., 57MM TP MK296		UNKNOWN				2300	7500	15000	6		6		12		12		18		K												
ITEM		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2009												FISCAL YEAR 2010												B A L
							CY 2008			CALENDAR YEAR 2009										CALENDAR YEAR 2010											
							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	
CART., 57MM TP MK296		2010	N	6	0	6																							6		
CART., 57MM TP MK296		2011	N	5	0	5																						5			
CART., 57MM, 3P MK295		2010	N	4	0	4																						4			
CART., 57MM, 3P MK295		2011	N	7	0	7																						7			
ITEM		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2011												FISCAL YEAR 2012												B A L
							CY 2010			CALENDAR YEAR 2011										CALENDAR YEAR 2012											
							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	
CART., 57MM TP MK296		2010	N	6	0	6							6															0			
CART., 57MM TP MK296		2011	N	5	0	5							A									5						0			
CART., 57MM, 3P MK295		2010	N	4	0	4																						4			
CART., 57MM, 3P MK295		2011	N	7	0	7							A															7			
Remarks:																															
FY10 - CART., 57MM TP MK296 quantity 5664 and deliveries begin March 2011.																															
FY11 - CART., 57MM TP MK296 quantity 5167 and deliveries begin March 2012.																															
FY10 - CART., 57MM 3P MK295 quantity 4028 and deliveries begin March 2013.																															
FY11 - CART., 57MM 3P MK295 quantity 6734 and deliveries begin March 2014.																															

CLASSIFICATION:		UNCLASSIFIED																																
EXHIBIT P-21, PRODUCTION SCHEDULE																		DATE: February 2010																
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1														Weapon System				P-1 LINE ITEM NOMENCLATURE INTERMEDIATE CALIBER GUN AMMUNITION BLI: 0266																
						Production Rate			Procurement Leadtimes																									
Item		Manufacturer's Name and Location				MSR	ECON	MAX	ALT Prior to Oct 1		ALT After Oct 1		Initial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure															
CART., 57MM, 3P MK295		UNKNOWN				10000	12600	35280	6		6		24		24		30		K															
CART., 57MM TP MK296		UNKNOWN				2300	7500	15000	6		6		12		12		18		K															
ITEM		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2013												FISCAL YEAR 2014												B A L			
							CY 2012			CALENDAR YEAR 2013												CALENDAR YEAR 2014												
							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				
CART., 57MM, 3P MK295		2010	N	4	0	4						4																		0				
CART., 57MM, 3P MK295		2011	N	7	0	7													7											0				
ITEM		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2015												FISCAL YEAR 2016												B A L			
							CY 2014			CALENDAR YEAR 2015												CALENDAR YEAR 2016												
							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				
Remarks: FY10 - CART., 57MM TP MK296 quantity 5664 and deliveries begin March 2011. FY11 - CART., 57MM TP MK296 quantity 5167 and deliveries begin March 2012. FY10 - CART., 57MM 3P MK295 quantity 4028 and deliveries begin March 2013. FY11 - CART., 57MM 3P MK295 quantity 6734 and deliveries begin March 2014.																																		

CLASSIFICATION:		UNCLASSIFIED													
Exhibit P-40, BUDGET ITEM JUSTIFICATION								DATE February 2010							
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1							P-1 LINE ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION SUBHEAD NO. A1AG BLI: 0270								
Program Element for Code B Items SUBHEAD NO. A1AG							Other Related Program Elements								
	Prior Years	ID Code		FY 2009	FY 2010	BASELINE FY 2011	OCO FY 2011	TOTAL FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total	
Quantity	0			0	0	0	0	0	0	0	0	0	0	0	
COST (In Millions)	73.4			34.0	38.7	36.3	0.5	36.7	35.9	40.3	38.0	38.7	0.0	335.3	
PROGRAM DESCRIPTION/JUSTIFICATION: The OSGA program consists of 40 medium caliber types of gun ammunition (20MM, 25MM, 30MM, 40MM). This supports active Navy ships, and active and reserve ashore warfare forces including Mobile Construction Battalions (MCB), amphibious construction battalion (ACB), Mobile Security Forces (MSF), fleet combat readiness groups, inshore undersea warfare groups and several other type operational units. Program includes support for emergent anti-terrorism/force protection and homeland defense requirements.															
AG100/AG200 - PROCUREMENT The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests. Costs associated with Transportation Account Code (TAC) are for first destination of delivery of production items. Unit costs and quantities will be adjusted during year of execution.															
AG830 - 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.															
AG850 - 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.															
AG894 - GAUGE REQUIREMENTS 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.															
AG895 - NON-STANDARD ITEMS The non-standard line is to support procurement of ammunition training aids and initial procurements of required non type classified munition items.															
All ammo procured with these funds is procured through the Single Manager Conventional Ammunition (SMCA) and the most recent SMCA standard/non-standard price list has been used in pricing the ammo.															

CLASSIFICATION:		UNCLASSIFIED			
Exhibit P-40, BUDGET ITEM JUSTIFICATION (CONTINUATION)				DATE February 2010	
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1			P-1 LINE ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION SUBHEAD NO. A1AG BLI: 0270		
AGG86 - OVERSEAS CONTINGENCY OPERATIONS (OCO) Ammunition being procured with OCO funding. AG101 - SUPPLEMENTAL Ammunition being procured with supplemental funding. AG893 - RENOVATION 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.					

CLASSIFICATION:			UNCLASSIFIED									
EXHIBIT P-5 COST ANALYSIS				Weapon System						DATE February 2010		
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1				ID Code 027000		P-1 LINE ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION SUBHEAD NO. A1AG						
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN MILLIONS OF DOLLARS									
			Prior Years	FY 2009			FY 2010			FY 2011		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AG100	<u>EQUIPMENT</u>											
	<u>25MM CARTRIDGES</u>											
	CART., 25MM HEI-T/SAPHEI-T LI	AA98	9.058	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	CTG, 25MM, TP-T, M793	A976	6.223	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	<u>30MM CARTRIDGES</u>											
	CART., 30MM TP-T LKD	AA90	0.000	35010	0.026	0.914	44393	0.024	1.083	53300	0.025	1.325
	CART., 30MM TP-T LKD LINKING	AA90	0.000	25000	0.007	0.166	0	0.000	0.000	0	0.000	0.000
	CARTRIDGE, 30MM X 173, LINKED	AB44	3.315	14122	0.121	1.708	33550	0.138	4.630	35176	0.142	4.995
	CART., 30MM HEI-T/MP LKD	AA89	2.018	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	CART., 30MM PROGRAMMABLE AIR	30AB	0.585	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	<u>40MM GRENADE CARTRIDGES</u>											
	CTG., 40MM PRAC., M79 F/M203	B519	0.424	30500	0.004	0.115	40000	0.006	0.220	40000	0.005	0.181
	CTG 40MM M583A1	B535	0.638	14344	0.047	0.676	15004	0.050	0.752	15004	0.051	0.757
	CTG 40MM, M430 F/MK19	B542	0.000	48800	0.033	1.629	74976	0.032	2.399	0	0.000	0.000
	CTG, 40MM, FIXED, PRAC., F/MK	B576	0.000	100160	0.017	1.685	150016	0.017	2.543	200544	0.017	3.425
	CTG, 40MM, BLANK, SAL (350&200 GRAMS)	B650	1.412	0	0.000	0.000	30078	0.100	2.995	0	0.000	0.000
	CTG 40MM, 300M NLWM	BA26	0.030	34988	0.027	0.936	0	0.000	0.000	0	0.000	0.000
AG100	<u>OTHER SHIP GUN AMMUNITION MAT.</u>											
	PE/QA SMCA-AG100		0.361	0	0.000	0.157	0	0.000	0.305	0	0.000	0.268
	TRANSPORTATION ACCT CODE		0.342	0	0.000	0.597	0	0.000	0.370	0	0.000	0.385
AG200	<u>20MM CARTRIDGES</u>											
	CARTRIDGE, 20MM DUMMY, M51A4N	AA20	0.000	800	0.010	0.008	0	0.000	0.000	0	0.000	0.000
	CART., 20MM ELC LINK CART, 20MM, MK244 ELC	AA61	44.114	719100	0.030	21.602	712900	0.027	19.142	846000	0.027	23.164

CLASSIFICATION:			UNCLASSIFIED										
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)				Weapon System							DATE February 2010		
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1				ID Code 027000		P-1 LINE ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION SUBHEAD NO. A1AG							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN MILLIONS OF DOLLARS										
			Prior Years	FY 2009			FY 2010			FY 2011			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
AG200	OTHER SHIP GUN AMMUNITION MAT. PE/QA SMCA-AG200		0.035	0	0.000	0.861	0	0.000	0.013	0	0.000	0.016	
AG830	PRODUCTION ENGINEERING		3.339	0	0.000	1.653	0	0.000	1.344	0	0.000	1.729	
AG850	PRODUCT IMPROVEMENT		0.340	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000	
AG893	RENOVATION COMPONENTS		0.000	0	0.000	0.399	0	0.000	0.000	0	0.000	0.000	
AG894	GAUGE REQUIREMENTS		0.071	0	0.000	0.028	0	0.000	0.029	0	0.000	0.030	
AG895	NON-STANDARD		1.067	0	0.000	0.000		0.000	0.000		0.000	0.000	
AGG86	OVERSEAS CONTINGENCY OPERATIONS												
	CART, 40MM FIXED, PRAC., F/MK		B576	0.000	0	0.000	0.000	45000	0.017	0.763	26765	0.017	0.455
	CART., 30MM TP-T LKD		AA90	0.000	34760	0.026	0.907	0	0.000	0.000	0	0.000	0.000
	CTG 40MM, M430 F/MK19		B542	0.000		0.000	0.000	22000	0.032	0.704	0	0.000	0.000
	CTG 40MM, 300M NL WM	BA26	0.000	0	0.000	0.000	50000	0.027	1.368	0	0.000	0.000	
GW1X1	OTHER SHIP GUN AMMUNITION MAT. CART., 20MM ELC	AA61	0.043	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000	
	TOTAL EQUIPMENT		73.415			34.041			38.660			36.730	
	TOTAL		73.415			34.041			38.660			36.730	

CLASSIFICATION:					UNCLASSIFIED						
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System				DATE February 2010		
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION BLIN: 0270				SUBHEAD A1AG		
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAIL NOW	DATE REVISIONS AVAILABLE	
FY 2009											
AG100 30MM CARTRIDGES											
CART., 30MM TP-T LKD	35010	0.026	JMC ROCK ISLAND	OCT-08	MIPR	MULTIPLE CONTRACTORS	SEP-09	FEB-11	YES		
CART., 30MM TP-T LKD LINKING	25000	0.007	DAHLGREN	OCT-08	MIPR	MULTIPLE CONTRACTORS	OCT-09	DEC-09	YES		
CARTRIDGE, 30MM X 173, LINKED	14122	0.121	JMC ROCK ISLAND	OCT-08	MIPR	MULTIPLE CONTRACTORS	NOV-08	MAR-09	YES		
AG100 40MM GRENADE CARTRIDGES											
CTG., 40MM PRAC., M79 F/M203	30500	0.004	JMC ROCK ISLAND	OCT-08	MIPR	MULTIPLE CONTRACTORS	FEB-09	JUN-10	YES		
CTG 40MM M583A1	14344	0.047	JMC ROCK ISLAND	OCT-08	MIPR	MULTIPLE CONTRACTORS	FEB-09	AUG-11	YES		
CTG 40MM, M430 F/MK19	48800	0.033	JMC ROCK ISLAND	OCT-08	MIPR	MULTIPLE CONTRACTORS	JUN-09	APR-11	YES		
CTG, 40MM, FIXED, PRAC., F/MK	100160	0.017	JMC ROCK ISLAND	OCT-08	MIPR	AMTEC	JUN-09	APR-11	YES		
CTG 40MM, 300M NLWM	34988	0.027	NSWC CRANE	OCT-08	CONTRACT	COMBINED SYSTEMS INC.	APR-09	SEP-09	YES		
AG200 20MM CARTRIDGES											
CARTRIDGE, 20MM DUMMY, M51A4N	800	0.010	NSWC CRANE	OCT-08	CONTRACT	ALLIANT TECHSYSTEM, INC	MAY-09	SEP-09	YES		
CART., 20MM ELC LINK CART, 20MM, MK244 ELC	719100	0.030	JMC ROCK ISLAND	OCT-08	MIPR	MULTIPLE CONTRACTORS	APR-09	JAN-10	YES		
AGG86 OVERSEAS CONTINGENCY OPERATIONS											
CART., 30MM TP-T LKD	34760	0.026	JMC ROCK ISLAND	OCT-08	MIPR	MULTIPLE CONTRACTORS	SEP-09	FEB-11	YES		
FY 2010											
AG100 30MM CARTRIDGES											
CART., 30MM TP-T LKD	44393	0.024	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	SEP-11	YES		
CARTRIDGE, 30MM X 173, LINKED	33550	0.138	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	SEP-11	YES		
AG100 40MM GRENADE CARTRIDGES											
CTG., 40MM PRAC., M79 F/M203	40000	0.006	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	JUL-11	YES		
CTG 40MM M583A1	15004	0.050	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	JAN-11	YES		
CTG 40MM, M430 F/MK19	74976	0.032	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	JAN-12	YES		
CTG, 40MM, FIXED, PRAC., F/MK	150016	0.017	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	MAR-12	YES		
CTG, 40MM, BLANK, SAL (350&200 GRAMS)	30078	0.100	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	SEP-11	YES		

CLASSIFICATION:					UNCLASSIFIED						
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				DATE February 2010		
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION BLIN: 0270				SUBHEAD A1AG		
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAIL NOW	DATE REVISIONS AVAILABLE	
AG200 20MM CARTRIDGES											
CART., 20MM ELC LINK CART, 20MM, MK244 ELC	712900	0.027	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	SEP-11	YES		
AGG86 OVERSEAS CONTINGENCY OPERATIONS											
CTG 40MM, M430 F/MK19	22000	0.032	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	NOV-11	YES		
CART, 40MM FIXED, PRAC., F/MK	45000	0.017	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	SEP-11	YES		
CTG 40MM, 300M NL WM	50000	0.027	NSWC CRANE	OCT-08	CONTRACT	UNKNOWN	APR-10	SEP-11	YES		
FY 2011											
AG100 30MM CARTRIDGES											
CART., 30MM TP-T LKD	53300	0.025	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	MAR-11	SEP-12	YES		
CARTRIDGE, 30MM X 173, LINKED	35176	0.142	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	MAR-11	SEP-12			JUL-10
AG100 40MM GRENADE CARTRIDGES											
CTG., 40MM PRAC., M79 F/M203	40000	0.005	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	MAR-11	JUL-12			JUL-10
CTG 40MM M583A1	15004	0.051	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	MAR-11	JAN-12			JUL-10
CTG, 40MM, FIXED, PRAC., F/MK	200544	0.017	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	MAR-11	MAR-13			JUL-10
AG200 20MM CARTRIDGES											
CART., 20MM ELC LINK CART, 20MM, MK244 ELC	846000	0.027	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	JAN-11	SEP-12			JUL-10
AGG86 OVERSEAS CONTINGENCY OPERATIONS											
CART, 40MM FIXED, PRAC., F/MK	26765	0.017	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	MAR-10	JUL-12	YES		

CLASSIFICATION:		UNCLASSIFIED																												
EXHIBIT P-21, PRODUCTION SCHEDULE																DATE: February 2010														
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1												Weapon System				P-1 LINE ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION BLI: 0270														
						Production Rate			Procurement Leadtimes																					
Item	Manufacturer's Name and Location					MSR	ECON	MAX	ALT Prior to Oct 1			ALT After Oct 1			Initial Mfg PLT			Reorder Mfg PLT			Total		Unit of Measure							
CART., 20MM ELC	UNKNOWN					25000	50000	100000	4			4			20			20			24		K							
CARTRIDGE, 20MM DUMMY, M51A4N	ALLIANT TECHSYSTEM, INC					25000	50000	125000	6			6			12			12			18		K							
ITEM	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2009												FISCAL YEAR 2010												B A L
						CY 2008			CALENDAR YEAR 2009									CALENDAR YEAR 2010												
						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	
CART., 20MM ELC	2009	N	719	0	719							A								60	60	60	60	60	60	60	60	60	179	
CART., 20MM ELC	2010	N	713	0	713															A									713	
CART., 20MM ELC	2011	N	846	0	846																								846	
ITEM	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2011												FISCAL YEAR 2012												B A L
						CY 2010			CALENDAR YEAR 2011									CALENDAR YEAR 2012												
						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	
CART., 20MM ELC	2009	N	719	540	179	60	60	59																					0	
CART., 20MM ELC	2010	N	713	0	713											75	75	75	75	75	75	75	75	75	38				0	
CART., 20MM ELC	2011	N	846	0	846					A																	71	775		
Remarks:																														
FY09 - CART., 20MM ELC - quantity of 719,100 and deliveries begin January 2010.																														
FY10 - CART., 20MM ELC - quantity of 712,900 and deliveries begin September 2011.																														
FY11 - CART., 20MM ELC - quantity of 846,000 and deliveries begin September 2012.																														

CLASSIFICATION:		UNCLASSIFIED																													
EXHIBIT P-21, PRODUCTION SCHEDULE																	DATE: February 2010														
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1														Weapon System				P-1 LINE ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION BLI: 0270													
						Production Rate				Procurement Leadtimes																					
Item		Manufacturer's Name and Location				MSR	ECON	MAX		ALT Prior to Oct 1		ALT After Oct 1		Initial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure											
CART., 20MM ELC		UNKNOWN				25000	50000	100000		4		4		20		20		24		K											
CARTRIDGE, 20MM DUMMY, M51A4N		ALLIANT TECHSYSTEM, INC				25000	50000	125000		6		6		12		12		18		K											
ITEM		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2013														FISCAL YEAR 2014										B A L
							CY 2012			CALENDAR YEAR 2013											CALENDAR YEAR 2014										
							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	
CART., 20MM ELC		2011	N	846	71	775	71	71	71	71	71	71	71	71	65																0
ITEM		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2015														FISCAL YEAR 2016										B A L
							CY 2014			CALENDAR YEAR 2015											CALENDAR YEAR 2016										
							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	
Remarks:																															
FY09 - CART., 20MM ELC - quantity of 719,100 and deliveries begin January 2010.																															
FY10 - CART., 20MM ELC - quantity of 712,900 and deliveries begin September 2011.																															
FY11 - CART., 20MM ELC - quantity of 846,000 and deliveries begin September 2012.																															

CLASSIFICATION:				UNCLASSIFIED											
WEAPONS SYSTEM COST ANALYST P-1R						Weapon System							DATE February 2010		
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1						ID Code 027000		P-1 LINE ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION SUBHEAD NO. A1AG							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2009			FY 2010			FY 2011			FY 2012		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AG000	05022351N	0270		0	0	0	0	0	0	0	0	0	0	0	0
AG000	OTHER SHIP GUN AMMUNITION MAT.		56	0	0	54	0	0	54	0	0	53	0	0	55
TOTAL						54			54			53			55

CLASSIFICATION:			UNCLASSIFIED												
WEAPONS SYSTEM COST ANALYST P-1R						Weapon System						DATE February 2010			
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1						ID Code 027000		P-1 LINE ITEM NOMENCLATURE OTHER SHIP GUN AMMUNITION SUBHEAD NO. A1AG							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			FY 2013			FY 2014			FY 2015						
			Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost				
AG000	05022351N	0270	0	0	0	0	0	0	0	0	0	0			
AG000	OTHER SHIP GUN AMMUNITION MAT.		0	0	57	0	0	58	0	0	59				
Total					57			58			59				

CLASSIFICATION:		UNCLASSIFIED												
Exhibit P-40, BUDGET ITEM JUSTIFICATION							DATE February 2010							
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1							P-1 LINE ITEM NOMENCLATURE SMALL ARMS & LANDING PARTY AMMO SUBHEAD NO. A1AH BLI: 0335							
Program Element for Code B Items SUBHEAD NO. A1AH							Other Related Program Elements							
	Prior Years	ID Code		FY 2009	FY 2010	BASELINE FY 2011	OCO FY 2011	TOTAL FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0	0
COST (In Millions)	197.4			46.2	54.6	46.2	7.8	53.9	45.6	48.5	47.3	48.2	0.0	534.0
PROGRAM 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. AH100 - PROCUREMENT The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests. Costs associated with Transportation Account Code (TAC) are for first destination of delivery of production items. Unit costs and quantities will be adjusted during year of execution. AH830 - 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. AH895 - 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. AH350 - MATCH AMMUNITION Special Ammunition required to support Navy approved marksmanship competition matches. AH101 - SUPPLEMENTAL Ammunition being procured with supplemental dollars. AHG86 - OVERSEAS CONTINGENCY OPERATIONS (OCO) SUPPLEMENTAL Ammunition being procured with OCO funding.														

CLASSIFICATION:			UNCLASSIFIED									
EXHIBIT P-5 COST ANALYSIS				Weapon System							DATE February 2010	
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1				ID Code 033500		P-1 LINE ITEM NOMENCLATURE SMALL ARMS & LANDING PARTY AMMO SUBHEAD NO. A1AH						
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN MILLIONS OF DOLLARS									
			Prior Years	FY 2009			FY 2010			FY 2011		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	<u>EQUIPMENT</u>											
AH100	TRANSPORTATION ACCOUNT CODE (TAC)		0.702	0	0.000	1.116	0	0.000	1.055	0	0.000	1.153
AH100	PE/QA SMCA		0.000	0	0.000	1.061	0	0.000	1.395	0	0.000	1.512
	<u>.40 CAL CARTRIDGES</u>											
	CARTRIDGE, MK 308 MOD 0, .40	DWGW	0.000	0	0.000	0.000	0	0.000	0.000	400000	0.000	0.104
	CTG .40 CALS&W	DWGX	0.000	0	0.000	0.000	0	0.000	0.000	80000	0.000	0.020
	<u>.50 CAL CARTRIDGES</u>											
	CTG, .50 CAL, AP, MK 263 MOD 0	AA58	0.000	40634	0.009	0.345	0	0.000	0.000	0	0.000	0.000
	CTG. 50 CAL	AA50	2.971	251000	0.007	1.836	0	0.000	0.000	0	0.000	0.000
	CTG, 50 CAL, LKD, BALL	A555	10.999	963000	0.002	1.943	678800	0.003	1.907	0	0.000	0.000
	CTG, .50 CAL, LKD & TRACER	A557	27.873	4521600	0.002	9.610	2615000	0.003	7.777	4100000	0.003	12.042
	CTG, .50 LINKED	A576	22.379	0	0.000	0.000	0	0.000	0.000	1391200	0.003	4.690
	50 CAL BLANK	A598	0.000	571800	0.002	0.842	588000	0.001	0.721	500000	0.002	1.033
	CTG, 50 211-0	A606	0.263	9600	0.010	0.092	12960	0.011	0.141	10800	0.013	0.142
	CTG, 50 CAL, MK 211, APIT, M	AA06	0.000	0	0.000	0.000	658000	0.010	6.256	0	0.000	0.000
	<u>5.56MM CARTRIDGES</u>											
	CTG., 5.55MM, LKD 4 BALL/1 TR	A064	0.000	420800	0.000	0.145	825600	0.001	0.718	0	0.000	0.000
	CTG, 5.56MM M855	A059	5.650	14733600	0.000	3.782	7134960	0.000	2.426	4601520	0.000	1.773
	CTG, CAL 5.56MM, FRANGIBLE	AA40	1.854	2339600	0.001	1.240	2714880	0.000	1.195	4008000	0.001	2.285
	CTG, 5.56MM, SRTR AMMO	AA68	0.000	469040	0.000	0.180	440000	0.000	0.194	440000	0.001	0.198
	CTG., 5.56MM, BLANK	A080	0.823	4060680	0.000	0.794	1979040	0.000	0.376	2979000	0.000	0.944
	<u>7.62MM CARTRIDGES</u>											
	CTG, 7.62MM, BLNK	A111	0.760	2346400	0.001	1.226	1513600	0.001	0.996	3000000	0.001	2.372

CLASSIFICATION:		UNCLASSIFIED										
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)				Weapon System							DATE February 2010	
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1				ID Code 033500		P-1 LINE ITEM NOMENCLATURE SMALL ARMS & LANDING PARTY AMMO SUBHEAD NO. A1AH						
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN MILLIONS OF DOLLARS									
			Prior Years	FY 2009			FY 2010			FY 2011		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	CTG, 7.62MM, LKD, BALL AND TR	A131	9.587	10282400	0.001	6.329	5800000	0.001	4.597	7020800	0.001	6.468
	CTG, 7.62MM, BALL, M80, LKD	A143	2.005	2711200	0.001	1.591	1300000	0.001	1.221	2000000	0.001	1.815
	CTG, 7.62MM, LKD, 9 AP TO 1	AA36	0.400	309000	0.002	0.464	0	0.000	0.000	0	0.000	0.000
	CTG. 7.62MM	A257	0.540	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	CTG, 7.62MM, SHORT RANGE TRAINING	AA39	0.202	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	CTG,7.62MM, LKD 9 AP TO 1 DI	AA34	0.203	150000	0.002	0.232	0	0.000	0.000	0	0.000	0.000
	CTG, 7.62MM, LKD	A165	2.180	6139500	0.001	3.461	2776500	0.001	2.394	300000	0.009	2.793
	CTG., 7.62MM	AA04	0.627	148000	0.002	0.219	0	0.000	0.000	0	0.000	0.000
	CARTR, 7.62MM	AA11	0.000	110400	0.001	0.085	200000	0.001	0.177	1105100	0.001	1.337
	<u>9MM CARTRIDGES</u>											
	CTG, 9MM, BALL	A363	7.172	22518000	0.000	3.390	7232000	0.000	1.085	564000	0.000	0.093
	CTG, 9MM, FRANGIBLE	AA16	3.117	3650300	0.000	1.059	3891000	0.000	1.167	1800000	0.000	0.558
	CTG, .38 BLANK	A403	0.000	100000	0.001	0.050	0	0.000	0.000	5000	0.000	0.002
	CTG, 9MM, FX, MARKING, RED	AA12	0.294	800000	0.001	0.376	283000	0.001	0.135	600000	0.001	0.294
	CTG, 9MM, FX, MARKING, BLUE	AA21	0.517	400000	0.001	0.188	200000	0.001	0.096	200000	0.001	0.098
	<u>GRENADES</u>											
	GREN, LAUNCHER, SMK, IR SCREE	G826	0.096	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	GRENADE, LAUNCHER, SMK, M82	G978	0.000	2500	0.240	0.601	0	0.000	0.000	0	0.000	0.000
	GRENADE, HND, SMK, GREEN	G940	0.000	10000	0.042	0.424	0	0.000	0.000	0	0.000	0.000
	GRENADE, HND, SMK, VIOLET	G955	0.000	9520	0.042	0.400	0	0.000	0.000	0	0.000	0.000
	GRENADE, HND, SMK, YELLO	G945	0.000	0	0.000	0.000	0	0.000	0.000	4000	0.056	0.224
	FUZE, DELAY M228	G878	0.068	15120	0.004	0.066	6120	0.005	0.029	0	0.000	0.000
	<u>MINES</u>											
	RIOT CNTRL, CS	K765	0.000	0	0.000	0.000	2500	0.000	0.001	2500	0.001	0.002
	MINE, AP, M18A1/T48E3 W/ACCESSORIES	K143	0.000	402	0.207	0.083		0.000	0.000	0	0.000	0.000

CLASSIFICATION:		UNCLASSIFIED										
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)			Weapon System							DATE February 2010		
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1			ID Code 033500	P-1 LINE ITEM NOMENCLATURE SMALL ARMS & LANDING PARTY AMMO SUBHEAD NO. A1AH								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN MILLIONS OF DOLLARS									
			Prior Years	FY 2009			FY 2010			FY 2011		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AH101	MINE AP M18A1WITH SHOCK TUBE	J007	0.079	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	SHOTGUN CARTRIDGES											
	CTG, 12 GA NO. 00	A011	0.167	0	0.000	0.000	569920	0.001	0.299	1782350	0.001	0.926
	CTG, 12 GA NO. 9	A017	0.013	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	CTG, 12 GA WARNING MUNITION	LA51	3.119	0	0.000	0.000	131400	0.008	1.095	66500	0.009	0.571
	CTG, 12 GA WARNING MUNITION	LA52	1.559	0	0.000	0.000	50000	0.008	0.419	0	0.000	0.000
	CTG, 12 GA, FRANGIBLE	AA86	0.294	0	0.000	0.000	0	0.000	0.000	218600	0.001	0.129
	SUPPLEMENTAL											
	CTG, 12 GA, NO. 00	A011	0.262	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	CTG, 12 GA WARNING MUNITION	LA52	1.582	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
AH350	CTG, 9MM, FRANGIBLE	AA16	0.018	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	CART, .50 CAL, MK 21L, APIT	AA06	20.000	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	MATCH AMMO		0.512	0	0.000	0.109	0	0.000	0.000	0	0.000	0.000
AH830	MATCH AMMO											
	CTG, .22 CAL, BALL, LR, MATCH	A097	0.032	0	0.000	0.000	167000	0.000	0.017	50000	0.001	0.050
	CTG, 5.56MM, SPECIAL BALL, MK 262 MOD 1	AA53	0.602	0	0.000	0.000	300000	0.001	0.168	325000	0.001	0.185
AH893	PRODUCTION ENGINEERING		4.411	0	0.000	1.657		0.000	1.298		0.000	1.336
AH895	RENOVATION COMPONENTS		0.000	0	0.000	0.000	0	0.000	1.043	0	0.000	1.043
AH895	NON-STANDARD		0.180	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
AHG86	OVERSEAS CONTINGENCY OPERATIONS											

CLASSIFICATION:			UNCLASSIFIED									
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)			Weapon System							DATE February 2010		
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1			ID Code 033500		P-1 LINE ITEM NOMENCLATURE SMALL ARMS & LANDING PARTY AMMO SUBHEAD NO. A1AH							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN MILLIONS OF DOLLARS									
			Prior Years	FY 2009			FY 2010			FY 2011		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	CTG, 5.56MM, LKD 4 BALL/1TR	A064	0.000	0	0.000	0.000	900480	0.001	0.783	0	0.000	0.000
	CTG, 9MM, BALL	A363	0.000	7780000	0.000	1.205	1437500	0.000	0.246	0	0.000	0.000
	CTG, 12 GAUGE, NO. 00	A011	0.000	0	0.000	0.000	169600	0.001	0.089	0	0.000	0.000
	CTG, 5.56MM M855	A059	0.000	0	0.000	0.000	2899680	0.000	0.984	0	0.000	0.000
	CTG, 5.56MM BLANK	A080	0.000	0	0.000	0.000	549480	0.000	0.104	0	0.000	0.000
	CTG, 5.56MM, FRANGIBLE	AA40	0.000	0	0.000	0.000	460000	0.004	1.978	2037000	0.001	1.162
	CTG, 7.62MM BLANK	A111	0.000	0	0.000	0.000	5200800	0.001	3.422	2500000	0.001	1.975
	CTG, 7.62MM, LKD, BALL AND TRACER	A131	0.000	0	0.000	0.000	4550400	0.001	3.606	3000000	0.001	2.760
	CTG, 7.62MM, LKD	A165	0.000	0	0.000	0.000	3499500	0.001	3.017	2000000	0.001	1.860
GW1X1	CTG, 7.62MM, LKD	A165	3.827	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
GW1X1	CTG, .50 CAL, MK 211, APIT, M	AA06	54.115	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
GW1X1	CTG, 9MM, FRANGIBLE	AA16	1.736	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
GW1X1	CARTRIDGE, MK 308 MOD 0, .40	DWGX	0.024	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
GW1X1	CTG .40 CALS&W	DWGW	0.200	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
GW1X1	CTG, 7.62MM, BALL, M80, LKD	A143	1.067	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	<u>.50 CAL CARTRIDGES</u>											
	CTG, .50 CAL, BLANK	A598	0.321	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	<u>5.56MM CARTRIDGES</u>											
	CTG, 5.56MM, FRANGIBLE	AA40	1.199	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	CTG, 5.56MM BLANK	A080	0.489	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	<u>7.62MM CARTRIDGES</u>											
	CTG, 7.62MM, BLANK	A111	0.251	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	SMALL ARMS AND LANDING PARTY AMMUNITION											

CLASSIFICATION:			UNCLASSIFIED											
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)				Weapon System							DATE February 2010			
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1				ID Code 033500		P-1 LINE ITEM NOMENCLATURE SMALL ARMS & LANDING PARTY AMMO SUBHEAD NO. A1AH								
COST CODE	ELEMENT OF COST			ID Code	TOTAL COST IN MILLIONS OF DOLLARS									
					Prior Years	FY 2009			FY 2010			FY 2011		
					Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	CTG, 0.38 CAL BLANK			A403	0.050	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	TOTAL EQUIPMENT				197.391			46.201			54.627			53.949
	TOTAL				197.391			46.201			54.627			53.949

CLASSIFICATION:					UNCLASSIFIED						
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System				DATE February 2010		
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE SMALL ARMS & LANDING PARTY AMMO BLIN: 0335				SUBHEAD A1AH		
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAIL NOW	DATE REVISIONS AVAILABLE	
FY 2009											
AH100 .50 CAL CARTRIDGES											
CTG, 50 CAL, LKD, BALL	963000	0.002	JMC ROCK ISLAND	OCT-08	MIPR	ATK LAKE CITY	MAR-09	APR-10	YES		
CTG, .50 CAL, LKD & TRACER	521600	0.002	JMC ROCK ISLAND	OCT-08	MIPR	ATK LAKE CITY	MAR-09	DEC-09	YES		
50 CAL BLANK	571800	0.002	JMC ROCK ISLAND	OCT-08	MIPR	ATK LAKE CITY	MAR-09	NOV-09	YES		
CTG, 50 211-0	9600	0.010	JMC ROCK ISLAND	OCT-08	MIPR	ATK LAKE CITY	MAR-09	AUG-09	YES		
CTG, 50 CAL	251000	0.007	JMC ROCK ISLAND	OCT-08	MIPR	ATK LAKE CITY	MAR-09	APR-10	YES		
CTG, .50 CAL, AP, MK 263 MOD 0	40634	0.009	JMC ROCK ISLAND	OCT-08	MIPR	GENERAL DYNAMICS CANADA	SEP-09	FEB-10	YES		
AH100 5.56MM CARTRIDGES											
CTG, 5.56MM M855	733600	0.000	JMC ROCK ISLAND	OCT-08	MPIR	ATK LAKE CITY	MAR-09	DEC-09	YES		
CTG., 5.56MM, LKD 4 BALL/1 TR	420800	0.000	JMC ROCK ISLAND	OCT-08	MIPR	ATK LAKE CITY	MAR-09	DEC-09	YES		
CTG., 5.56MM, BLANK	060680	0.000	JMC ROCK ISLAND	OCT-08	MIPR	ATK LAKE CITY	MAR-09	SEP-10	YES		
CTG, CAL 5.56MM, FRANGIBLE	339600	0.001	NSWC CRANE	OCT-08	CONTRACT	OLIN WINCHESTER	MAR-09	SEP-10	YES		
CTG, 5.56MM, SRTR AMMO	469040	0.000	JMC ROCK ISLAND	OCT-08	MIPR	ALLIANT LAKE CITY SMAL	JAN-09	JUL-10	YES		
AH100 7.62MM CARTRIDGES											
CTG, 7.62MM, BLNK	346400	0.001	JMC ROCK ISLAND	OCT-08	MIPR	ATK LAKE CITY	MAR-09	JUN-10	YES		
CTG, 7.62MM, LKD, BALL AND TR	282400	0.001	JMC ROCK ISLAND	OCT-08	MIPR	ATK LAKE CITY	JAN-10	JAN-11	YES		
CTG, 7.62MM, BALL, M80, LKD	711200	0.001	JMC ROCK ISLAND	OCT-08	MIPR	ATK LAKE CITY	MAR-09	DEC-09	YES		
CTG, 7.62MM, LKD	139500	0.001	JMC ROCK ISLAND	OCT-08	MIPR	ATK LAKE CITY	MAR-09	OCT-10	YES		
CTG., 7.62MM	148000	0.002	JMC ROCK ISLAND	OCT-08	MIPR	ATK LAKE CITY	MAR-09	JAN-10	YES		
CARTR, 7.62MM	110400	0.001	JMC ROCK ISLAND	OCT-08	MIPR	ATK LAKE CITY	MAR-09	DEC-09	YES		
CTG, 7.62MM, LKD 9 AP TO 1 DI	150000	0.002	JMC ROCK ISLAND	OCT-08	MIPR	ATK LAKE CITY	MAR-09	MAR-10	YES		
CTG, 7.62MM, LKD, 9 AP TO 1	309000	0.002	JMC ROCK ISLAND	OCT-08	MIPR	ATK LAKE CITY	MAR-09	MAR-10	YES		
AH100 9MM CARTRIDGES											
CTG, 9MM, BALL	518000	0.000	JMC ROCK ISLAND	OCT-08	MIPR	OLIN WINCHESTER	MAR-09	JUL-10	YES		
CTG, .38 BLANK	100000	0.001	JMC ROCK ISLAND	OCT-08	MIPR	MULTIPLE CONTRACTORS	OCT-09	AUG-11	YES		
CTG, 9MM, FX, MARKING, RED	800000	0.001	MARINE CORPS	OCT-08	MIPR	MULTIPLE CONTRACTORS	JAN-09	FEB-10	YES		
CTG, 9MM, FRANGIBLE	650300	0.000	NSWC CRANE	OCT-08	CONTRACT	MULTIPLE CONTRACTORS	AUG-09	SEP-10	YES		

CLASSIFICATION:					UNCLASSIFIED						
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				DATE February 2010		
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE SMALL ARMS & LANDING PARTY AMMO BLIN: 0335				SUBHEAD A1AH		
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAIL NOW	DATE REVISIONS AVAILABLE	
CTG, 9MM, FX, MARKING, BLUE AH100 GRENADES	400000	0.001	MARINE CORP	OCT-08	MIPR	MULTIPLE CONTRACTORS	JAN-09	FEB-10	YES		
FUZE, DELAY M228	15120	0.004	JMC ROCK ISLAND	OCT-08	MIPR	UNKNOWN	JAN-10	JAN-11	YES		
GRENADE, HND, SMK, GREEN	10000	0.042	JMC ROCK ISLAND	OCT-08	MIPR	MULTIPLE CONTRACTORS	OCT-09	MAY-12	YES		
GRENADE, HND, SMK, VIOLET	9520	0.042	JMC ROCK ISLAND	OCT-08	MIPR	UNKNOWN	JUL-10	JUL-11	YES		
GRENADE, LAUNCHER, SMK, M82 AH100 MINES	2500	0.240	JMC ROCK ISLAND	OCT-08	MIPR	PINE BLUFF	APR-09	APR-12	YES		
MINE, AP, M18A1/T48E3 W/ACCESSORIES AHG86 OVERSEAS CONTINGENCY OPERATIONS	402	0.207	JMC ROCK ISLAND	OCT-08	MIPR	ISSUED FROM STOCK	JAN-09	JAN-09	YES		
CTG, 9MM, BALL	780000	0.000	JMC ROCK ISLAND	OCT-08	MIPR	OLIN WINCHESTER	MAR-09	JUL-10	YES		
FY 2010											
AH100 .50 CAL CARTRIDGES											
CTG, 50 CAL, LKD, BALL	678800	0.003	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	OCT-10			JUL-09
CTG, .50 CAL, LKD & TRACER	615000	0.003	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JUN-10	JUN-11			JUL-09
50 CAL BLANK	588000	0.001	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	OCT-10			JUL-09
CTG, 50 211-0	12960	0.011	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	OCT-10			JUL-09
CTG, 50 CAL, MK 211, APIT, M AH100 5.56MM CARTRIDGES	658000	0.010	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	FEB-11			JUL-09
CTG, 5.56MM M855	134960	0.000	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	OCT-10	YES		
CTG., 5.55MM, LKD 4 BALL/1 TR	825600	0.001	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	OCT-10			JUL-09
CTG., 5.56MM, BLANK	979040	0.000	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	OCT-10	YES		
CTG, CAL 5.56MM, FRANGIBLE	714880	0.000	NSWC CRANE	OCT-09	CONTRACT	UNKNOWN	JAN-10	OCT-10	YES		
CTG, 5.56MM, SRTR AMMO AH100 7.62MM CARTRIDGES	440000	0.000	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	OCT-10			JUL-09
CTG, 7.62MM, BLNK	513600	0.001	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	OCT-10	YES		
CTG, 7.62MM, LKD, BALL AND TR	800000	0.001	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	OCT-10			JUL-09
CTG, 7.62MM, BALL, M80, LKD	300000	0.001	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	OCT-10			JUL-09
CTG, 7.62MM, LKD	776500	0.001	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	OCT-10			JUL-09

CLASSIFICATION:					UNCLASSIFIED					
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				DATE February 2010	
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE SMALL ARMS & LANDING PARTY AMMO BLIN: 0335				SUBHEAD A1AH	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAIL NOW	DATE REVISIONS AVAILABLE
CARTR, 7.62MM AH100 9MM CARTRIDGES	200000	0.001	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	OCT-10		JUL-09
CTG, 9MM, BALL	232000	0.000	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	JUL-10		JUL-09
CTG, 9MM, FX, MARKING, RED	283000	0.001	MARINE CORP	OCT-09	CONTRACT	UNKNOWN	JAN-10	DEC-10		JUL-09
CTG, 9MM, FRANGIBLE	891000	0.000	NSWC CRANE	OCT-09	CONTRACT	UNKNOWN	MAR-10	MAR-11		JUL-09
CTG, 9MM, FX, MARKING, BLUE	200000	0.001	MARNE CORP	OCT-09	CONTRACT	UNKNOWN	JAN-10	DEC-10		JUL-09
AH100 GRENADES										
FUZE, DELAY M228 AH100 MINES	6120	0.005	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	MAR-11	YES	
RIOT CNTRL, CS AH100 SHOTGUN CARTRIDGES	2500	0.000	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	JUL-12		JUL-09
CTG, 12 GA NO. 00	569920	0.001	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	JUL-10	YES	
CTG, 12 GA WARNING MUNITION	131400	0.008	NSWC CRANE	OCT-09	CONTRACT	UNKNOWN	JAN-10	OCT-10	YES	
CTG, 12 GA WARNING MUNITION	50000	0.008	NSWC CRANE	OCT-09	CONTRACT	UNKNOWN	JAN-10	OCT-10		JUL-09
AH350 MATCH AMMO										
CTG, .22 CAL, BALL, LR, MATCH	167000	0.000	NSWC CRANE	OCT-09	CONTRACT	UNKNOWN	MAR-10	MAR-11		JUL-09
CTG, 5.56MM, SPECIAL BALL, MK 262 MOD 1	300000	0.001	NSWC CRANE	OCT-09	CONTRACT	UNKNOWN	MAR-10	MAR-11		JUL-09
AHG86 OVERSEAS CONTINGENCY OPERATIONS										
CTG, 12 GAUGE, NO. 00	169600	0.001	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	JUL-10	YES	
CTG, 5.56MM M855	899680	0.000	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	OCT-10	YES	
CTG, 5.56MM, LKD 4 BALL/1TR	900480	0.001	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	OCT-10		JUL-09
CTG, 5.56MM BLANK	549480	0.000	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	OCT-10	YES	
CTG, 7.62MM BLANK	200800	0.001	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	OCT-10	YES	
CTG, 7.62MM, LKD, BALL AND TRACER	550400	0.001	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	OCT-10		JUL-09
CTG, 7.62MM, LKD	499500	0.001	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	OCT-10		JUL-09
CTG, 9MM, BALL	437500	0.000	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	JAN-10	JUL-10		JUL-09
CTG, 5.56MM, FRANGIBLE	460000	0.004	NSWC CRANE	OCT-09	CONTRACT	UNKNOWN	JAN-10	OCT-10	YES	
FY 2011										

CLASSIFICATION:					UNCLASSIFIED					
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				DATE February 2010	
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE SMALL ARMS & LANDING PARTY AMMO BLIN: 0335				SUBHEAD A1AH	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAIL NOW	DATE REVISIONS AVAILABLE
AH100 .40 CAL CARTRIDGES										
CARTRIDGE, MK 308 MOD 0, .40	400000	0.000	NSWC CRANE	OCT-10	CONTRACT	UNKNOWN	MAR-11	MAR-12		JUL-10
CTG .40 CALS&W	80000	0.000	NSWC CRANE	OCT-10	CONTRACT	UNKNOWN	MAR-11	MAR-12		JUL-10
AH100 .50 CAL CARTRIDGES										
CTG, .50 CAL, LKD & TRACER	100000	0.003	IOC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	JUN-11	JUN-12		JUL-10
CTG, .50 LINKED	391200	0.003	IOC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	JAN-11	OCT-11		JUL-10
50 CAL BLANK	500000	0.002	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	JAN-11	OCT-11		JUL-10
CTG, 50 211-0	10800	0.013	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	JAN-11	OCT-11		JUL-10
AH100 5.56MM CARTRIDGES										
CTG, 5.56MM M855	601520	0.000	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	JAN-11	OCT-11		JUL-10
CTG., 5.56MM, BLANK	979000	0.000	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	JAN-11	OCT-11		JUL-10
CTG, CAL 5.56MM, FRANGIBLE	008000	0.001	NSWC CRANE	OCT-10	CONTRACT	UNKNOWN	JAN-11	OCT-11		JUL-10
CTG, 5.56MM, SRTR AMMO	440000	0.001	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	JAN-11	OCT-11	YES	JUL-10
AH100 7.62MM CARTRIDGES										
CTG, 7.62MM, BLNK	000000	0.001	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	JAN-11	OCT-11		JUL-10
CTG, 7.62MM, LKD, BALL AND TR	020800	0.001	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	JAN-11	OCT-11	YES	
CTG, 7.62MM, BALL, M80, LKD	000000	0.001	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	JAN-11	OCT-11		JUL-10
CTG, 7.62MM, LKD	300000	0.009	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	JAN-11	OCT-11		JUL-10
CARTR, 7.62MM	105100	0.001	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	JAN-11	OCT-11		JUL-10
AH100 9MM CARTRIDGES										
CTG, 9MM, BALL	564000	0.000	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	JAN-11	JUL-11		JUL-10
CTG, .38 BLANK	5000	0.000	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	JAN-11	JUL-11		JUL-10
CTG, 9MM, FX, MARKING, RED	600000	0.001	MARINE CORP	OCT-10	CONTRACT	UNKNOWN	JAN-11	DEC-11		JUL-10
CTG, 9MM, FRANGIBLE	800000	0.000	NSWC CRANE	OCT-10	CONTRACT	UNKNOWN	MAR-11	MAR-12		JUL-09
CTG, 9MM, FX, MARKING, BLUE	200000	0.001	MARINE CORP	OCT-10	CONTRACT	UNKNOWN	JAN-11	DEC-11		JUL-10
AH100 GRENADES										
GRENADE, HND, SMK, YELLO	4000	0.056	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	MAR-11	APR-12		JUL-10
AH100 MINES										
RIOT CNTRL, CS	2500	0.001	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	MAR-11	JUL-13		JUL-10

CLASSIFICATION:					UNCLASSIFIED					
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				DATE February 2010	
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE SMALL ARMS & LANDING PARTY AMMO BLIN: 0335				SUBHEAD A1AH	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAIL NOW	DATE REVISIONS AVAILABLE
AH100 SHOTGUN CARTRIDGES										
CTG, 12 GA NO. 00	782350	0.001	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	JAN-11	JUL-11		JUL-10
CTG, 12 GA, FRANGIBLE	218600	0.001	NSWC CRANE	OCT-10	CONTRACT	UNKNOWN	JAN-11	OCT-11		JUL-10
CTG, 12 GA WARNING MUNITION	66500	0.009	NSWC CRANE	OCT-10	CONTRACT	UNKNOWN	JAN-11	OCT-11		JUL-10
AH350 MATCH AMMO										
CTG, .22 CAL, BALL, LR, MATCH	50000	0.001	NSWC CRANE	OCT-10	CONTRACT	UNKNOWN	MAR-11	MAR-12		JUL-10
CTG, 5.56MM, SPECIAL BALL, MK 262 MOD 1	325000	0.001	NSWC CRANE	OCT-10	CONTRACT	UNKNOWN	MAR-11	MAR-12		JUL-10
AHG86 OVERSEAS CONTINGENCY OPERATIONS										
CTG, 7.62MM BLANK	500000	0.001	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	JAN-11	OCT-11		JUL-10
CTG, 7.62MM, LKD, BALL AND TRACER	000000	0.001	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	JAN-11	OCT-11	YES	
CTG, 7.62MM, LKD	000000	0.001	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	JAN-11	OCT-11		JUL-10
CTG, 5.56MM, FRANGIBLE	037000	0.001	NSWC CRANE	OCT-10	CONTRACT	UNKNOWN	JAN-11	OCT-11		JUL-10

CLASSIFICATION:		UNCLASSIFIED																													
EXHIBIT P-21, PRODUCTION SCHEDULE																				DATE: February 2010											
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1															Weapon System					P-1 LINE ITEM NOMENCLATURE SMALL ARMS & LANDING PARTY AMMO BLI: 0335											
					Production Rate					Procurement Leadtimes																					
Item		Manufacturer's Name and Location				MSR	ECON	MAX		ALT Prior to Oct 1		ALT After Oct 1		Initial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure											
CTG, .50 CAL, LKD & TRACER		MULTIPLE CONTRACTORS				0	6000	20000		4		4		9		13		17													
CTG, 50 CAL, MK 211, APIT, M		UNKNOWN				0	140	500		6		6		11		17		23													
CTG, 7.62MM, LKD, BALL AND TR		ALLIANT LAKE CITY SMALL				0	14000	48000		4		4		9		13		17													
CTG, .50 LINKED		UNKNOWN				0	4000	1000		4		4		9		13		17													
ITEM		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2013										FISCAL YEAR 2014										B A L				
							CY 2012				CALENDAR YEAR 2013										CALENDAR YEAR 2014										
							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
CTG, .50 CAL, LKD & TRACER		2011	N	4100	1600	2500	400	400	400	400	400	500																	0		
ITEM		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2015										FISCAL YEAR 2016										B A L				
							CY 2014				CALENDAR YEAR 2015										CALENDAR YEAR 2016										
							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	
Remarks: FY09 - CTG., 50 CAL, LKD & TRACER (A557) QTY 4,521,600 AND DELIVERIES OCCUR 12/2009 THRU 02/2011. FY10 - CTG., 50 CAL, LKD & TRACER (A557) QTY 2,615,000 AND DELIVERIES OCCUR 06/2011 THRU 06/2012. FY11 - CTG., 50 CAL, LKD & TRACER (A557) QTY 4,100,000 AND DELIVERIES OCCUR 06/2012 THRU 03/2013. FY10 - CTG. .50 CAL MK211, APIT, M (AA06) QTY 658,000 AND DELIVERIES OCCUR 02/2011 THRU 08/2011. FY09 - CTG, 7.62MM, LKD, BALL AND TRACER (A131) QTY 10,282,400 AND DELIVERIES OCCUR 01/2011 THRU 03/2012. FY11 - CTG, 7.62MM, LKD, BALL AND TRACER (A131) QTY 7,020,800 AND DELIVERIES OCCUR 10/2011 THRU 09/2012.																															

CLASSIFICATION:				UNCLASSIFIED											
WEAPONS SYSTEM COST ANALYST P-1R						Weapon System						DATE February 2010			
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1						ID Code 033500		P-1 LINE ITEM NOMENCLATURE SMALL ARMS & LANDING PARTY AMMO SUBHEAD NO. A1AH							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2009			FY 2010			FY 2011			FY 2012		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AH100	0204229N		74	0	0	72	0	0	71	0	0	72	0	0	74
TOTAL						72			71			72			74

CLASSIFICATION:				UNCLASSIFIED												
WEAPONS SYSTEM COST ANALYST P-1R						Weapon System						DATE February 2010				
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1						ID Code 033500	P-1 LINE ITEM NOMENCLATURE SMALL ARMS & LANDING PARTY AMMO SUBHEAD NO. A1AH									
COST CODE	ELEMENT OF COST			ID Code	TOTAL COST IN THOUSANDS OF DOLLARS											
					FY 2013			FY 2014			FY 2015			FY 2016		
					Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AH100	0204229N				0	0	75	0	0	76	0	0	77	0	0	0
Total							75			76			77			0

CLASSIFICATION:		UNCLASSIFIED													
Exhibit P-40, BUDGET ITEM JUSTIFICATION								DATE February 2010							
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1							P-1 LINE ITEM NOMENCLATURE PYROTECHNIC AND DEMOLITION SUBHEAD NO. A1AJ BLI: 0340								
Program Element for Code B Items SUBHEAD NO. A1AJ							Other Related Program Elements								
	Prior Years	ID Code		FY 2009	FY 2010	BASELINE FY 2011	OCO FY 2011	TOTAL FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total	
Quantity	0			0	0	0	0	0	0	0	0	0	0	0	
COST (In Millions)	34.9			10.8	12.0	11.3	1.2	12.5	11.5	11.7	11.9	12.1	0.0	116.2	
PROGRAM 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. AJ100 - PROCUREMENT The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests. Costs associated with Transportation Account Code (TAC) are for first destination of delivery of production items. Unit costs and quantities will be adjusted during the year of execution. AJG86 - OVERSEAS CONTINGENCY OPERATIONS (OCO) Ammunition being procured with OCO funding. AJ830 - 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. AJ850 - 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.															

CLASSIFICATION:		UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION (CONTINUATION)		DATE	February 2010
APPROPRIATION/BUDGET ACTIVITY		P-1 LINE ITEM NOMENCLATURE	
PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1		PYROTECHNIC AND DEMOLITION	
		SUBHEAD NO. A1AJ BLI: 0340	
AJ893 - 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.			
AJ894 - GAUGE REQUIREMENTS 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.			
AJ895 - 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.			
AJ101 - SUPPLEMENTAL Ammunition being procured with supplemental funding.			

CLASSIFICATION:			UNCLASSIFIED									
EXHIBIT P-5 COST ANALYSIS				Weapon System							DATE February 2010	
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1				ID Code 034000		P-1 LINE ITEM NOMENCLATURE PYROTECHNIC AND DEMOLITION SUBHEAD NO. A1AJ						
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN MILLIONS OF DOLLARS									
			Prior Years	FY 2009			FY 2010			FY 2011		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AJ100	<u>EQUIPMENT</u>											
	PE/QA SMCA		1.515	0	0.000	0.433	0	0.000	0.434	0	0.000	0.438
	<u>CUTTERS & CARTRIDGES</u>											
	"POPPER" BLANK CARTRIGES	AA64	0.000	0	0.000	0.000	5500	0.001	0.007	0	0.000	0.000
	BOLT, EXPL, MK5/0	M254	0.504	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	CARTRIDGE ASSEMBLY	MC91	0.140	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	CTG, 50 CAL BLANK, ELEC, MK20	SS01	0.000	1515	0.174	0.263	0	0.000	0.000	0	0.000	0.000
	CTG, IMPULSE, MK 148	M663	0.112	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	CTG, IMPULSE, MK 235	MW97	0.314	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	MK278 BLACK POWDER BLANK	AA66	0.000	0	0.000	0.000	5500	0.002	0.008	0	0.000	0.000
	SWITCH, SQUIB ACTUATED, MK 11	M853	0.040	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	TITANIUM DISRUPTER CANNON	ST02	0.192	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	<u>DET CORDS, CAPS & FUZES</u>											
	ACCESSORY KIT, MK 34 MOD 0	DWGL	0.390	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	BREECH PLUG ASSEMBLY, TITANIUM	DWFL	0.186	390	0.246	0.096	0	0.000	0.000	0	0.000	0.000
	CAP, BLASTING, ELEC, INERT	MP16	0.049	0	0.000	0.000	6000	0.021	0.123	0	0.000	0.000
	CAP, BLASTING, ELECTRIC, MK 17 MOD 1	DWFP	0.688	7134	0.046	0.328	0	0.000	0.000	7030	0.040	0.282
	CAP, BLASTING, NON-ELEC, INER	M097	0.000	40000	0.006	0.226	0	0.000	0.000	0	0.000	0.000
	CAP, BLASTING, NON-ELEC, M7	M131	0.000	10000	0.013	0.128	0	0.000	0.000	0	0.000	0.000
	CONNECTOR, DET CORD, PLASTIC	MW49	0.000	116700	0.000	0.015	0	0.000	0.000	0	0.000	0.000
	CORD, DETONATING, PRIMACORD	M456	0.000	0	0.000	0.000	1000000	0.001	0.530	0	0.000	0.000
	CORD, DETONATING, REINFORCED	M458	0.000	48000	0.000	0.016	0	0.000	0.000	16000	0.001	0.011
	DET, NON-EL, 50' DUAL, MK 153	MN51	0.000	5640	0.043	0.245	0	0.000	0.000	0	0.000	0.000
	DETONATOR, DEL, 175MS, MK 156 30FT	DWEJ	0.000	0	0.000	0.000	0	0.000	0.000	10000	0.016	0.161
	DETONATOR, DEL, 17MS, MK 158	DWEL	0.000	0	0.000	0.000	0	0.000	0.000	3000	0.016	0.048
	DETONATOR, DEL, 200MS, MK 157	DWEK	0.000	0	0.000	0.000	0	0.000	0.000	6000	0.016	0.097
	DETONATOR, DEL, 25MS, MK 160	DWEN	0.000	0	0.000	0.000	0	0.000	0.000	2000	0.016	0.032
	DETONATOR, DEL, 42MS, MK 159	DWEM	0.000	0	0.000	0.000	0	0.000	0.000	3000	0.016	0.048
	DETONATOR, NON-ELEC, MK 121	MM58	1.116	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	DETONATOR, NON-ELEC, MK 121	MP17	0.335	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	EOD REFILL KIT - LMNS	DWGJ	0.000	400	0.418	0.167	0	0.000	0.000	0	0.000	0.000

CLASSIFICATION:			UNCLASSIFIED									
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)			Weapon System							DATE		
										February 2010		
APPROPRIATION/BUDGET ACTIVITY			ID Code		P-1 LINE ITEM NOMENCLATURE							
PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1			034000		PYROTECHNIC AND DEMOLITION							
					SUBHEAD NO. A1AJ							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN MILLIONS OF DOLLARS									
			Prior Years	FY 2009			FY 2010			FY 2011		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	FIRING DEVICE BASE COUPLING	DWHB	0.485	0	0.000	0.000	450	0.864	0.389	0	0.000	0.000
	FIRING DEVICE DEMO MK67	MP19	0.863	40	20.150	0.806	0	0.000	0.000	126	20.349	2.564
	FIRING DEVICE, ACOUSTIC MK 5	MP23	1.206	0	0.000	0.000	874	1.442	1.260	0	0.000	0.000
	FIRING DEVICE, MK 62	MN81	4.011	1600	1.019	1.631	0	0.000	0.000	1180	1.043	1.231
	FUZE, BLASTING, TIME	M670	0.000	0	0.000	0.000	500000	0.001	0.250	0	0.000	0.000
	IGNITIER, TIME BLASTING FUZE	MN08	0.330	0	0.000	0.000	35000	0.008	0.271	0	0.000	0.000
	NON-EL DET W/IN-LINE INITIATO	MN52	0.312	3360	0.046	0.156	0	0.000	0.000		0.000	0.000
	RADIO FIRING DEVICE (RFD) MK 186	ML06	2.097	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	REMOTE FIRING DEVICE, MK 64 MOD	DWFD	0.590	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	SQUIB, ELECTRIC, MK20	MG61	0.689	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	SQUIB, ELECTRONIC, MK 20 MOD 1	JM94	0.000	0	0.000	0.000	11000	0.043	0.477	8000	0.044	0.355
	<u>MINE CHARGES & CHARGE CUTTERS</u>											
	CANINE EXPLOSIVE KIT, PART A	MN76	0.000	0	0.000	0.000	50	0.160	0.008	0	0.000	0.000
	CANINE EXPLOSIVE KIT, PART B	MN77	0.000	0	0.000	0.000	200	0.205	0.041	0	0.000	0.000
	CHG, ASSY, DML, M183/37	M757	0.980	2608	0.709	1.850	0	0.000	0.000	0	0.000	0.000
	CHG, BOOSTER, 20 GM, MK 140	MM30	0.000	18720	0.004	0.079	0	0.000	0.000	0	0.000	0.000
	CHG, DML, BLK, COMP C-4, 1.25	M023	0.411	0	0.000	0.000	17790	0.039	0.686	0	0.000	0.000
	CHG, DML, BLK, M118, PETN, 2LB	M024	0.477	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	CHG, DML, TNT, 1 LB	M032	0.230	0	0.000	0.000	4992	0.013	0.065	0	0.000	0.000
	CHG, DML, XPL ROLL, 11 FT	M985	0.000	0	0.000	0.000	0	0.000	0.000	5000	0.046	0.231
	CHG, DML, XPL ROLL, 25 FT	M981	0.000	0	0.000	0.000	0	0.000	0.000	4000	0.024	0.095
	CHG, DML, XPL ROLL, 38 FT, 14	M980	0.000	0	0.000	0.000	0	0.000	0.000	3000	0.018	0.053
	DEMO CHG, MK 36/1, INERT	MP01	0.047	0	0.000	0.000	25	4.920	0.123	0	0.000	0.000
	MK 147 BATTERY	CWBD	0.000	0	0.000	0.000	300	0.070	0.021	0	0.000	0.000
AJ100	<u>PYROTECHNIC AND DEMOLITION MAT</u>											
	TRANSPORTATION ACCT CODE		0.180	0	0.000	0.185	0	0.000	0.200	0	0.000	0.210
AJ100	<u>SHOCK TEST CHARGES</u>											
	CHARGE, SHOCK TEST, 60 LB	XW65	2.062	575	1.478	0.850	500	1.514	0.757	527	1.543	0.813
	SHOCK TEST CHARGE, 320 LB	9W50	0.000	0	0.000	0.000	0	0.000	0.000	10	8.200	0.082
	<u>SIGNALS</u>											

CLASSIFICATION:			UNCLASSIFIED									
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)			Weapon System							DATE		
										February 2010		
APPROPRIATION/BUDGET ACTIVITY			ID Code		P-1 LINE ITEM NOMENCLATURE							
PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1			034000		PYROTECHNIC AND DEMOLITION							
					SUBHEAD NO. A1AJ							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN MILLIONS OF DOLLARS									
			Prior Years	FY 2009			FY 2010			FY 2011		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	SIGNAL KIT, PERS DISTRESS, MK	L118	0.000	0	0.000	0.000	0	0.000	0.000	3978	0.084	0.334
	SIGNAL, SMK, MK 2, RED RKT	L201	0.000	0	0.000	0.000	6520	0.090	0.589	0	0.000	0.000
	MARKER, LOCATION, SUB, MK 120	L259	0.000	0	0.000	0.000	600	1.093	0.656	0	0.000	0.000
	SIG, SMK ILLUM, MAR, MK 117	LA26	0.080	0	0.000	0.000	139	1.626	0.226	639	1.083	0.692
	SIG, SMK ILLUM, MAR, MK 144/11	LA27	1.500	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	MARKER, LOCATION, SUB, MK 140	LA28	0.592	0	0.000	0.000	479	1.115	0.534	0	0.000	0.000
	SIG KIT MK 189 MOD 0	L564	0.103	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	SIG, SMK ILLUM, MAR, MK124/13, DISTRESS L283	L283	2.318	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	TRAINING DEVICES											
	SIM, BOOBY TRAP, M118	L599	0.000	0	0.000	0.000	1500	0.016	0.024	0	0.000	0.000
	SIM, FLASH, ARTILLERY, M110	L596	0.000	0	0.000	0.000	0	0.000	0.000	2490	0.031	0.077
	SIM, HAND GRENADE, M116	L601	0.057	8250	0.015	0.125	0	0.000	0.000	0	0.000	0.000
	SIM, PROJ, GROUND BURST	L594	0.000	8800	0.019	0.166	0	0.000	0.000	4600	0.020	0.094
AJ101	SUPPLEMENTAL											
	NON-EL DET W/IN-LINE INITIATION	MN52	0.274	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
AJ830	PRODUCTION ENGINEERING		5.158	0	0.000	1.972		0.000	2.016	0	0.000	2.064
AJ850	PRODUCT IMPROVEMENT		3.716	0	0.000	0.521	0	0.000	0.709	0	0.000	0.662
AJ893	RENOVATION COMPONENTS		0.303	0	0.000	0.096	0	0.000	0.152	0	0.000	0.600
AJ894	GAUGE REQUIREMENTS		0.056	0	0.000	0.018	0	0.000	0.022	0	0.000	0.023
AJ895	NON-STANDARD		0.022	0	0.000	0.010	0	0.000	0.012	0	0.000	0.013
AJG86	OVERSEAS CONTINGENCY OPERATIONS											
	FIRING DEVICE BASE COUPLING, MK	DWHB	0.000	0	0.000	0.000	250	0.864	0.216	3000	0.005	0.016
	CHG, DML, BLK, COMP C-4, 1.25/2	MO23	0.000	0	0.000	0.000	13260	0.039	0.511	9960	0.040	0.397
	CHG, DML, BLK, TNT, 1 LB	M032	0.000	0	0.000	0.000	4800	0.013	0.063	0	0.000	0.000
	CORD, DETONATING PRIMACORD, PE	M456	0.000	0	0.000	0.000	500000	0.001	0.265	500000	0.001	0.270
	FUZE, BLASTING, TIME	M670	0.000	0	0.000	0.000	0	0.000	0.000	500000	0.001	0.255

CLASSIFICATION:				UNCLASSIFIED										
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)				Weapon System							DATE February 2010			
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1				ID Code 034000		P-1 LINE ITEM NOMENCLATURE PYROTECHNIC AND DEMOLITION SUBHEAD NO. A1AJ								
COST CODE	ELEMENT OF COST			ID Code	TOTAL COST IN MILLIONS OF DOLLARS									
					Prior Years	FY 2009			FY 2010			FY 2011		
					Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
GW1X1	CHG, ASSY, DML, M183/37			M757	0.000	482	0.728	0.351	0	0.000	0.000	0	0.000	0.000
	IGNITER, TIME BLASTING FUZE M81			MN08	0.000	0	0.000	0.000	50100	0.008	0.387	33500	0.008	0.271
	<u>DET CORDS, CAPS & FUZES</u>			MN52	0.122		0.000	0.000	0	0.000	0.000	0	0.000	0.000
	NON-EL DET W/IN-LINE INITIATOR													
	<u>ACQUISITION WORKFORCE FUND-2009</u>													
WAXXX	ACQUISITION WORKFORCE FUND-2009				0.000	0	0.000	0.051	0	0.000	0.000	0	0.000	0.000
	TOTAL EQUIPMENT				34.852			10.784			12.032			12.519
TOTAL					34.852			10.784			12.032			12.519

CLASSIFICATION:					UNCLASSIFIED					
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System				DATE February 2010	
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE PYROTECHNIC AND DEMOLITION BLIN: 0340				SUBHEAD A1AJ	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAIL NOW	DATE REVISIONS AVAILABLE
FY 2009										
AJ100 CUTTERS & CARTRIDGES										
CTG, 50 CAL BLANK, ELEC, MK20	1515	0.174	NSWC CRANE	OCT-08	CONTRACT	UNKNOWN	JUL-10	JUL-11		JAN-10
AJ100 DET CORDS, CAPS & FUZES										
BREECH PLUG ASSEMBLY, TITANIUM	390	0.246	NSWC CRANE	OCT-08	CONTRACT	NSWC CRANE, OPERATION	OCT-09	AUG-10	YES	
CAP, BLASTING, ELECTRIC, MK 17 MOD 1	7134	0.046	NSWC CRANE	OCT-08	CONTRACT	STRESAU LABORATORY	AUG-09	AUG-10	YES	
EOD REFILL KIT - LMNS	400	0.418	NSWC CRANE	OCT-08	MIPR	NSWC CRANE, OPERATION	SEP-09	MAR-11	YES	
CAP, BLASTING, NON-ELEC, INER	40000	0.006	JMC ROCK ISLAND	OCT-08	MIPR	UNKNOWN	MAR-10	SEP-11	YES	
CAP, BLASTING, NON-ELEC, M7	10000	0.013	JMC ROCK ISLAND	OCT-08	MIPR	UNKNOWN	SEP-10	SEP-11	YES	
CORD, DETONATING, REINFORCED	48000	0.000	JMC ROCK ISLAND	OCT-08	MIPR	MULTIPLE CONTRACTORS	SEP-09	MAR-10	YES	
DET, NON-EL, 50' DUAL, MK 153	5640	0.043	NSWC CRANE	OCT-08	CONTRACT	SHOCK TUBE SYSTEMS, INC.	APR-09	SEP-09	YES	
NON-EL DET W/IN-LINE INITIATO	3360	0.046	NSWC CRANE	OCT-08	CONTRACT	UNKNOWN	MAR-10	MAR-11	YES	
FIRING DEVICE, MK 62	1600	1.019	NSWC CRANE	OCT-08	CONTRACT	UNKNOWN	SEP-10	SEP-11	YES	
FIRING DEVICE DEMO MK67	40	20.150	NSWC CRANE	OCT-08	CONTRACT	ROTHENBUHLER ENG	MAR-09	JAN-10	YES	
CONNECTOR, DET CORD, PLASTIC	116700	0.000	NSWC CRANE	OCT-08	CONTRACT	MULTIPLE CONTRACTORS	AUG-09	JAN-10	YES	
AJ100 MINE CHARGES & CHARGE CUTTERS										
CHG, ASSY, DML, M183/37	2608	0.709	JMC ROCK ISLAND	OCT-08	MIPR	CRANE AAA	MAY-09	OCT-10	YES	
CHG, BOOSTER, 20 GM, MK 140	18720	0.004	NWSC CRANE	OCT-08	CONTRACT	ENSIGN BICKFORD AEROSPACE	JUN-09	JUN-10	YES	
AJ100 SHOCK TEST CHARGES										
CHARGE, SHOCK TEST, 60 LB	575	1.478	JMC ROCK ISLAND	OCT-08	MIPR	NSWC IH, YORKTOWN DET	MAR-09	DEC-09	YES	
AJ100 TRAINING DEVICES										
SIM, PROJ, GROUND BURST	8800	0.019	JMC ROCK ISLAND	OCT-08	MIPR	PYROTECHNIQUE BY GRUCCI	MAR-09	DEC-12	YES	
SIM, HAND GRENADE, M116	8250	0.015	JMC ROCK ISLAND	OCT-08	MIPR	PYROTECHNIQUE BY GRUCCI	MAR-09	JUL-11	YES	
AJG86 OVERSEAS CONTINGENCY OPERATIONS										
CHG, ASSY, DML, M183/37	482	0.728	JMC ROCK ISLAND	OCT-08	MIPR	CRANE AAA	AUG-09	OCT-10	YES	
FY 2010										
AJ100 CUTTERS & CARTRIDGES										

CLASSIFICATION:					UNCLASSIFIED					
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				DATE February 2010	
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE PYROTECHNIC AND DEMOLITION BLIN: 0340				SUBHEAD A1AJ	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAIL NOW	DATE REVISIONS AVAILABLE
"POPPER" BLANK CARTRIGES	5500	0.001	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	DEC-10		JUL-09
MK278 BLACK POWDER BLANK	5500	0.002	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	DEC-10		JUL-09
AJ100 DET CORDS, CAPS & FUZES										
FIRING DEVICE BASE COUPLING	450	0.864	NSWC CRANE	OCT-09	CONTRACT	UNKNOWN	MAR-10	JUN-12		JUL-09
SQUIB, ELECTRONIC, MK 20 MOD 1	11000	0.043	NSWC CRANE	OCT-09	CONTRACT	UNKNOWN	MAR-10	MAR-11		JUL-09
CORD, DETONATING, PRIMACORD	000000	0.001	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	DEC-10		JUL-09
FUZE, BLASTING, TIME	500000	0.001	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	JAN-11		JUL-09
IGNITIER, TIME BLASTING FUZE	35000	0.008	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	JAN-11		JUL-09
CAP, BLASTING, ELEC, INERT	6000	0.021	NSWC CRANE	OCT-09	CONTRACT	UNKNOWN	MAR-10	MAR-11		JUL-09
FIRING DEVICE, ACOUSTIC MK 5	874	1.442	NSWC CRANE	OCT-09	CONTRACT	UNKNOWN	MAR-10	SEP-11		JUL-09
AJ100 MINE CHARGES & CHARGE CUTTERS										
MK 147 BATTERY	300	0.070	NSWC CRANE	OCT-09	CONTRACT	UNKNOWN	MAR-10	MAR-11		JUL-09
CHG, DML, BLK, COMP C-4, 1.25	17790	0.039	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAY-10	MAY-11		JUL-09
CHG, DML, TNT, 1 LB	4992	0.013	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	JAN-11		JUL-09
CANINE EXPLOSIVE KIT, PART A	50	0.160	YORKTOWN	OCT-09	CONTRACT	UNKNOWN	MAR-10	MAR-11		JUL-09
CANINE EXPLOSIVE KIT, PART B	200	0.205	YORKTOWN	OCT-09	CONTRACT	UNKNOWN	MAR-10	MAR-11		JUL-09
DEMO CHG, MK 36/1, INERT	25	4.920	JMC ROCK ISLAND	OCT-09	MIPR	CRANE AAA	MAR-10	JAN-11		JUL-09
AJ100 SHOCK TEST CHARGES										
CHARGE, SHOCK TEST, 60 LB	500	1.514	JMC ROCK ISLAND	OCT-09	MIPR	NSWC IH, YKT DETACHMENT	DEC-09	DEC-10		JUL-09
AJ100 SIGNALS										
SIGNAL, SMK, MK 2, RED RKT	6520	0.090	NSWC CRANE	OCT-09	CONTRACT	UNKNOWN	MAR-10	JAN-11		JUL-09
MARKER, LOCATION, SUB, MK 120	600	1.093	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	SEP-11		JUL-09
SIG, SMK ILLUM, MAR, MK 117	139	1.626	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	SEP-11		JUL-09
MARKER, LOCATION, SUB, MK 140	479	1.115	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	SEP-11		JUL-09
AJ100 TRAINING DEVICES										
SIM, BOOBY TRAP, M118	1500	0.016	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	APR-11		JUL-09
AJG86 OVERSEAS CONTINGENCY OPERATIONS										
FIRING DEVICE BASE COUPLING, MK	250	0.864	NSWC CRANE	OCT-09	CONTRACT	UNKNOWN	MAR-10	JUN-12		JUL-09
CHG, DML, BLK, TNT, 1 LB	4800	0.013	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	JAN-11		JUL-09

CLASSIFICATION:					UNCLASSIFIED					
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				DATE February 2010	
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE PYROTECHNIC AND DEMOLITION BLIN: 0340				SUBHEAD A1AJ	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAIL NOW	DATE REVISIONS AVAILABLE
CORD, DETONATING PRIMACORD, PE	500000	0.001	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	DEC-10		JUL-09
IGNITER, TIME BLASTING FUZE M81	50100	0.008	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAR-10	JAN-11		JUL-09
CHG, DML, BLK, COMP C-4, 1.25/2	13260	0.039	JMC ROCK ISLAND	OCT-09	MIPR	UNKNOWN	MAY-10	MAY-11		JUL-09
FY 2011										
AJ100 DET CORDS, CAPS & FUZES										
DETONATOR, DEL, 175MS, MK 156 30FT	10000	0.016	NSWC CRANE	OCT-10	CONTRACT	UNKNOWN	MAR-11	MAR-12		JUL-10
DETONATOR, DEL, 200MS, MK 157	6000	0.016	NSWC CRANE	OCT-10	CONTRACT	UNKNOWN	MAR-11	MAR-12		JUL-10
DETONATOR, DEL, 17MS, MK 158	3000	0.016	NSWC CRANE	OCT-10	CONTRACT	UNKNOWN	MAR-11	MAR-12		JUL-10
DETONATOR, DEL, 42MS, MK 159	3000	0.016	NSWC CRANE	OCT-10	CONTRACT	UNKNOWN	MAR-11	MAR-12		JUL-10
DETONATOR, DEL, 25MS, MK 160	2000	0.016	NSWC CRANE	OCT-10	CONTRACT	UNKNOWN	MAR-11	MAR-12		JUL-10
CAP, BLASTING, ELECTRIC, MK 17 MOD 1	7030	0.040	NSWC CRANE	OCT-10	CONTRACT	UNKNOWN	MAR-11	SEP-12		JUL-10
SQUIB, ELECTRONIC, MK 20 MOD 1	8000	0.044	NSWC CRANE	OCT-10	CONTRACT	UNKNOWN	MAR-11	MAR-12		JUL-10
CORD, DETONATING, REINFORCED	16000	0.001	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	MAR-11	OCT-11		JUL-10
FIRING DEVICE, MK 62	1180	1.043	NSWC CRANE	OCT-10	CONTRACT	UNKNOWN	MAR-11	MAR-12		JUL-10
FIRING DEVICE DEMO MK67	126	20.349	NSWC CRANE	OCT-10	CONTRACT	UNKNOWN	MAR-11	MAR-12		JUL-10
AJ100 MINE CHARGES & CHARGE CUTTERS										
CHG, DML, XPL ROLL, 38 FT, 14	3000	0.018	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	MAR-11	FEB-12		JUL-10
CHG, DML, XPL ROLL, 25 FT	4000	0.024	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	MAR-11	JAN-12		JUL-10
CHG, DML, XPL ROLL, 11 FT	5000	0.046	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	MAR-11	JAN-12		JUL-10
AJ100 SHOCK TEST CHARGES										
SHOCK TEST CHARGE, 320 LB	10	8.200	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	DEC-10	MAY-12		JUL-10
CHARGE, SHOCK TEST, 60 LB	527	1.543	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	DEC-10	DEC-11		JUL-10
AJ100 SIGNALS										
SIGNAL KIT, PERS DISTRESS, MK	3978	0.084	NSWC CRANE	OCT-10	CONTRACT	UNKNOWN	MAR-11	APR-12		JUL-10
SIG, SMK ILLUM, MAR, MK 117	639	1.083	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	MAR-11	SEP-12		JUL-10
AJ100 TRAINING DEVICES										
SIM, PROJ, GROUND BURST	4600	0.020	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	MAR-11	MAR-12		JUL-10
SIM, FLASH, ARTILLERY, M110	2490	0.031	JMC ROCK ISLAND	OCT-10	MIPR	UNKNOWN	AUG-11	SEP-12		JUL-10

CLASSIFICATION:					UNCLASSIFIED						
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				DATE February 2010		
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE PYROTECHNIC AND DEMOLITION BLIN: 0340				SUBHEAD A1AJ		
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAIL NOW	DATE REVISIONS AVAILABLE	
AJG86 OVERSEAS CONTINGENCY OPERATIONS											
AVON CARTRIDGES	3000	0.005	JMC ROCK ISLAND	OCT-11	MIPR	UNKNOWN	APR-12	OCT-13			
CORD, DETONATING PRIMACORD, PE	500000	0.001	JMC ROCK ISLAND	OCT-11	MIPR	UNKNOWN	MAR-12	SEP-13			
FUZE, BLASTING, TIME	500000	0.001	JMC ROCK ISLAND	OCT-11	MIPR	UNKNOWN	APR-12	OCT-13			
IGNITER, TIME BLASTING FUZE M81	33500	0.008	JMC ROCK ISLAND	OCT-11	MIPR	UNKNOWN	MAR-12	SEP-13			
CHG, DML, BLK, COMP C-4, 1.25/2	9960	0.040	JMC ROCK ISLAND	OCT-11	MIPR	UNKNOWN	FEB-12	AUG-13			
Remarks:											
NOTE: All items shown are priced with available GFM.											

CLASSIFICATION:				UNCLASSIFIED														
WEAPONS SYSTEM COST ANALYST P-1R						Weapon System							DATE February 2010					
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1						ID Code 034000		P-1 LINE ITEM NOMENCLATURE PYROTECHNIC AND DEMOLITION SUBHEAD NO. A1AJ										
COST CODE	ELEMENT OF COST				ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
						Prior Years	FY 2009			FY 2010			FY 2011			FY 2012		
						Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AJ000						92	0	0	88	0	0	88	0	0	88	0	0	90
TOTAL								88			88			88			90	

CLASSIFICATION:			UNCLASSIFIED											
WEAPONS SYSTEM COST ANALYST P-1R						Weapon System						DATE February 2010		
APPROPRIATION/BUDGET ACTIVITY PANMC PROCUREMENT OF AMMUNITION, NAVY/BA 1						ID Code 034000		P-1 LINE ITEM NOMENCLATURE PYROTECHNIC AND DEMOLITION SUBHEAD NO. A1AJ						
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS											
			FY 2013			FY 2014			FY 2015					
			Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
AJ000			0	0	91	0	0	92	0	0	94			
Total					91			92			94			

BUDGET ITEM JUSTIFICATION SHEET**P-40**

DATE:

February 2010

APPROPRIATION/BUDGET ACTIVITY

PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS**BA1 - NAVY AMMUNITION**

P-1 ITEM NOMENCLATURE

040000, AMMUNITION LESS THAN \$5 MILLION

Program Element for Code B Items:

Other Related Program Elements

	Prior Years	ID Code	FY 2009	FY 2010	Base FY 2011	OCO FY 2011	Total FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total
Quantity													
Cost (\$M)	25.7	A	3.2	3.2	4.1	0.0	4.1	4.2	4.2	3.3	3.3	Cont	Cont
Initial Spares (\$M)													
Total (\$M)	25.7		3.2	3.2	4.1	0.0	4.1	4.2	4.2	3.3	3.3	Cont	Cont
Unit Cost (\$M)													

MISSION DESCRIPTION: Marine Location Markers (MLM) include both air-launched and hand-launched pyrotechnic devices. The aircraft launched units visually assist in the location of sonobouys during anti-submarine operations. The hand launched units are used in a variety of situations to include Search And Rescue operations, Man Overboard drills and Target Marking. The MK-58 was designed for day or night use in any condition calling for long burning, smoke and flame reference-point marking on the ocean. It produces yellow flame and white smoke for 40-60 minutes which is visible for at least three miles under normal operating conditions.

The current budget profile provides funding for MK-58 marine location marker procurement and other support costs which include procurement of non-standard items and renovation components as well as Product Improvement Program (PIP) efforts to improve the safety and reliability of marine location markers.

[illegible]

Page Intentionally Blank