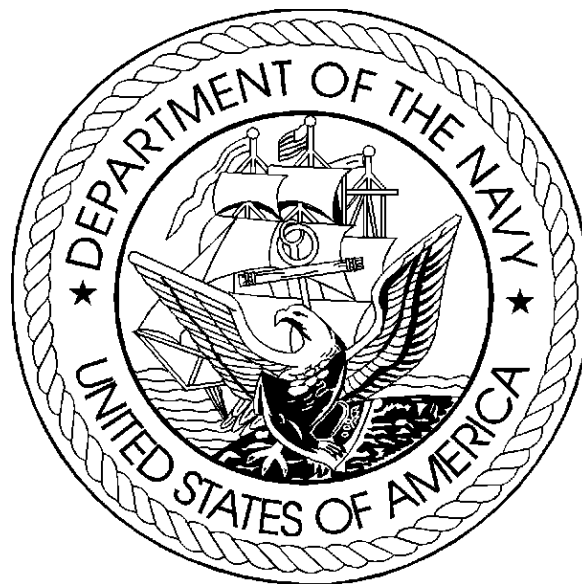


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**Department of Defense
Fiscal Year (FY) 2012 Budget Estimates**

February 2011



Navy

Justification Book Volume 2

Procurement of Ammo, Navy & MC

BUDGET ACTIVITY 2

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Table of Volumes

BA-1 Proc Ammo, Navy.....Volume 1
BA-2 Proc Ammo, MC.....Volume 2

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Navy • President's Budget FY 2012 • Procurement

Volume 2 Table of Contents

Introduction and Explanation of Contents.....Volume 2 - v
Comptroller Exhibit P-1.....Volume 2 - vii
Master Line Item Table of Contents (by Appropriation then Line Number).....Volume 2 - xix
Master Line Item Table of Contents (Alphabetically by Line Item Title).....Volume 2 - xxi
Line Item Table of Contents (by Appropriation then Line Number)..... Volume 2 - xxiii
Line Item Table of Contents (Alphabetically by Line Item Title)..... Volume 2 - xxv
Exhibit P-40's..... Volume 2 - 1

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Department of Defense Appropriations Act, 2012

Procurement of Ammunition, Navy and Marine Corps

For construction, procurement, production, and modification of ammunition, and accessories therefore; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities, authorized by section 2854 of title 10, United States Code, and the land necessary therefore, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$719,952,000, to remain available for obligation until September 30, 2014.

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Department of the Navy
 FY 2012 President's Budget
 Exhibit P-1 FY 2012 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Jan 2011

Appropriation -----	FY 2010 (Base & OCO) -----	FY 2011 Base Request with CR Adj* -----	FY 2011 OCO Request with CR Adj* -----	FY 2011 Total Request with CR Adj* -----
Procurement of Ammo, Navy & MC	885,101	358,803	370,268	729,071
Total Department of the Navy	885,101	358,803	370,268	729,071

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of January 25, 2011 at 14:51:21

* Reflects the FY 2011 President's Budget with an undistributed adjustment to match the Annualized Continuing Resolution funding level by appropriation.

** Adjusts each budget line included in the FY 2011 President's Budget request proportionally to match the Annualized Continuing Resolution funding level for each appropriation.

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Department of the Navy
 FY 2012 President's Budget
 Exhibit P-1 FY 2012 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Jan 2011

Appropriation -----	FY 2011 Annualized CR Base** -----	FY 2011 Annualized CR OCO** -----	FY 2011 Annualized CR Total** -----
Procurement of Ammo, Navy & MC	350,114	442,917	793,031
Total Department of the Navy	350,114	442,917	793,031

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Department of the Navy
 FY 2012 President's Budget
 Exhibit P-1 FY 2012 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Jan 2011

Appropriation -----	FY 2012 Base -----	FY 2012 OCO -----	FY 2012 Total -----
Procurement of Ammo, Navy & MC	324,597	182,117	506,714
Total Department of the Navy	324,597	182,117	506,714

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of January 25, 2011 at 14:51:21

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Department of the Navy
 FY 2012 President's Budget
 Exhibit P-1 FY 2012 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Jan 2011

Appropriation: Procurement of Ammo, Navy & MC

Budget Activity -----	FY 2010 (Base & OCO) -----	FY 2011 Base Request with CR Adj* -----	FY 2011 OCO Request with CR Adj* -----	FY 2011 Total Request with CR Adj* -----
02. Proc Ammo, MC	885,101	358,803	370,268	729,071
Total Procurement of Ammo, Navy & MC	885,101	358,803	370,268	729,071

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UNCLASSIFIED

Department of the Navy
 FY 2012 President's Budget
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 (Dollars in Thousands)

25 Jan 2011

Appropriation: Procurement of Ammo, Navy & MC

Budget Activity -----	FY 2011 Annualized CR Base** -----	FY 2011 Annualized CR OCO** -----	FY 2011 Annualized CR Total** -----
02. Proc Ammo, MC	350,114	442,917	793,031
Total Procurement of Ammo, Navy & MC	350,114	442,917	793,031

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Department of the Navy
 FY 2012 President's Budget
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 (Dollars in Thousands)

25 Jan 2011

Appropriation: Procurement of Ammo, Navy & MC

Budget Activity -----	FY 2012 Base -----	FY 2012 OCO -----	FY 2012 Total -----
02. Proc Ammo, MC	324,597	182,117	506,714
Total Procurement of Ammo, Navy & MC	324,597	182,117	506,714

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Department of the Navy
 FY 2012 President's Budget
 Exhibit P-1 FY 2012 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Jan 2011

Appropriation: 1508N Procurement of Ammo, Navy & MC

Line No	Item Nomenclature	Ident Code	FY 2010 (Base & OCO)		FY 2011 Base Request with CR Adj*		FY 2011 OCO Request with CR Adj*		FY 2011 Total Request with CR Adj*		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 02: Proc Ammo, MC											

Marine Corps Ammunition											
15	Small Arms Ammunition			104,440		64,839		19,498		84,337	U
16	Linear Charges, All Types	A		29,390		15,329		4,677		20,006	U
17	40 Mm, All Types	A		161,938		62,835		11,307		74,142	U
18	60mm, All Types	A		65,592		17,877		17,150		35,027	U
19	81mm, All Types	A		158,347		41,053		27,738		68,791	U
20	120mm, All Types	A		91,753		6,458		96,895		103,353	U
21	Ctg 25mm, All Types	A		2,815		2,937		990		3,927	U
22	Grenades, All Types	A		16,735		9,298		6,137		15,435	U
23	Rockets, All Types	A		21,204		13,995		13,543		27,538	U
24	Artillery, All Types	A		139,744		70,423		137,118		207,541	U
25	Demolition Munitions, All Types	A		24,081		19,464		9,296		28,760	U
26	Fuze, All Types	A		51,644		18,032		25,888		43,920	U
27	Non Lethals	B		3,025		3,009		31		3,040	U
28	Ammo Modernization	A		8,859		8,985				8,985	U

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of January 25, 2011 at 14:51:21

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Department of the Navy
 FY 2012 President's Budget
 Exhibit P-1 FY 2012 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Jan 2011

Appropriation: 1508N Procurement of Ammo, Navy & MC

Line No	Item Nomenclature	Ident Code	FY 2011 Annualized CR Base**		FY 2011 Annualized CR OCO**		FY 2011 Annualized CR Total**		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 02: Proc Ammo, MC									

Marine Corps Ammunition									
15	Small Arms Ammunition			63,269		23,324		86,593	U
16	Linear Charges, All Types	A		14,958		5,595		20,553	U
17	40 Mm, All Types	A		61,313		13,526		74,839	U
18	60mm, All Types	A		17,444		20,515		37,959	U
19	81mm, All Types	A		40,059		33,180		73,239	U
20	120mm, All Types	A		6,302		115,906		122,208	U
21	Ctg 25mm, All Types	A		2,866		1,184		4,050	U
22	Grenades, All Types	A		9,073		7,341		16,414	U
23	Rockets, All Types	A		13,656		16,200		29,856	U
24	Artillery, All Types	A		68,718		164,021		232,739	U
25	Demolition Munitions, All Types	A		18,993		11,120		30,113	U
26	Fuze, All Types	A		17,595		30,967		48,562	U
27	Non Lethals	B		2,936		38		2,974	U
28	Ammo Modernization	A		8,767				8,767	U

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Department of the Navy
 FY 2012 President's Budget
 Exhibit P-1 FY 2012 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Jan 2011

Appropriation: 1508N Procurement of Ammo, Navy & MC

Line No	Item Nomenclature	Ident Code	FY 2012 Base		FY 2012 OCO		FY 2012 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 02: Proc Ammo, MC									

Marine Corps Ammunition									
15	Small Arms Ammunition			58,812		19,575		78,387	U
16	Linear Charges, All Types	A		21,434		6,691		28,125	U
17	40 Mm, All Types	A		84,864		12,184		97,048	U
18	60mm, All Types	A		937		10,988		11,925	U
19	81mm, All Types	A		26,324		24,515		50,839	U
20	120mm, All Types	A		9,387		11,227		20,614	U
21	Ctg 25mm, All Types	A		3,889		802		4,691	U
22	Grenades, All Types	A		13,452		5,911		19,363	U
23	Rockets, All Types	A		15,556		18,871		34,427	U
24	Artillery, All Types	A		42,526		57,003		99,529	U
25	Demolition Munitions, All Types	A		22,786		7,831		30,617	U
26	Fuze, All Types	A		9,266		5,177		14,443	U
27	Non Lethals	B		2,927		712		3,639	U
28	Ammo Modernization	A		8,557				8,557	U

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Department of the Navy
 FY 2012 President's Budget
 Exhibit P-1 FY 2012 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Jan 2011

Appropriation: 1508N Procurement of Ammo, Navy & MC

Line No	Item Nomenclature	Ident Code	FY 2010 (Base & OCO)		FY 2011 Base Request with CR Adj*		FY 2011 OCO Request with CR Adj*		FY 2011 Total Request with CR Adj*		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
29	Items Less Than \$5 Million	A		5,534		4,269				4,269	U
	Total Proc Ammo, MC			885,101		358,803		370,268		729,071	
	Total Procurement of Ammo, Navy & MC			885,101		358,803		370,268		729,071	

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of January 25, 2011 at 14:51:21

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Department of the Navy
 FY 2012 President's Budget
 Exhibit P-1 FY 2012 President's Budget
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 (Dollars in Thousands)

25 Jan 2011

Appropriation: 1508N Procurement of Ammo, Navy & MC

Line No	Item Nomenclature	Ident Code	FY 2011 Annualized CR Base**		FY 2011 Annualized CR OCO**		FY 2011 Annualized CR Total**		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
29	Items Less Than \$5 Million	A		4,165				4,165	U
	Total Proc Ammo, MC			350,114		442,917		793,031	
	Total Procurement of Ammo, Navy & MC			350,114		442,917		793,031	

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of January 25, 2011 at 14:51:21

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Department of the Navy
 FY 2012 President's Budget
 Exhibit P-1 FY 2012 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Jan 2011

Appropriation: 1508N Procurement of Ammo, Navy & MC

Line No	Item Nomenclature	Ident Code	FY 2012 Base Quantity	FY 2012 Base Cost	FY 2012 OCO Quantity	FY 2012 OCO Cost	FY 2012 Total Quantity	FY 2012 Total Cost	Se c
29	Items Less Than \$5 Million	A		3,880		630		4,510	U
	Total Proc Ammo, MC			324,597		182,117		506,714	
	Total Procurement of Ammo, Navy & MC			324,597		182,117		506,714	

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of January 25, 2011 at 14:51:21

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Navy • President's Budget FY 2012 • Procurement

Master Line Item Table of Contents (by Appropriation then Line Number)

Appropriation 1508N: Procurement of Ammo, Navy & MC

Line #	BA	BSA	Line Item Number	Line Item Title	Page
01	01	01	0145	General Purpose Bombs.....	Volume 1 - 1
02	01	01	0148	JT Direct Attack Munition (JDAM).....	Volume 1 - 15
03	01	01	0151	Airborne Rockets, All Types.....	Volume 1 - 21
04	01	01	0155	Machine Gun Ammunition.....	Volume 1 - 35
05	01	01	0160	Practice Bombs.....	Volume 1 - 45
06	01	01	0180	Cartridge Actuated Devices/Propellant Act Devices.....	Volume 1 - 53
07	01	01	0182	Air Expendable Countermeasures.....	Volume 1 - 61
08	01	01	0194	Jet Assisted Take Off (JATOs).....	Volume 1 - 75
09	01	01	0250	5 Inch/54 Gun Ammunition.....	Volume 1 - 77
10	01	01	0266	Intermediate Caliber Gun Ammo.....	Volume 1 - 85
11	01	01	0270	Other Ship Gun Ammunition.....	Volume 1 - 93
12	01	01	0335	Small Arms & Lndg Party Ammo.....	Volume 1 - 103
13	01	01	0340	Pyrotechnic and Demolition.....	Volume 1 - 123
14	01	01	0400	Ammunition less than \$5 million.....	Volume 1 - 141

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Navy • President's Budget FY 2012 • Procurement

Appropriation 1508N: Procurement of Ammo, Navy & MC

Line #	BA	BSA	Line Item Number	Line Item Title	Page
15	02	01	1000	Small Arms Ammunition.....	Volume 2 - 1
16	02	01	1030	Linear Charges, All Types.....	Volume 2 - 23
17	02	01	1050	40 MM, All Types.....	Volume 2 - 33
18	02	01	1083	60 MM, All Types.....	Volume 2 - 51
19	02	01	1091	81 MM, All Types.....	Volume 2 - 63
20	02	01	1121	120 MM, All Types.....	Volume 2 - 79
21	02	01	1388	CTG 25 MM, All Types.....	Volume 2 - 89
22	02	01	1468	Grenades, All Types.....	Volume 2 - 95
23	02	01	1471	Rockets, All Types.....	Volume 2 - 107
24	02	01	1473	Artillery, All Types.....	Volume 2 - 115
25	02	01	1500	Demolition Munitions, All Types.....	Volume 2 - 135
26	02	01	1625	Fuze, All Types.....	Volume 2 - 155
27	02	01	1628	Non Lethals.....	Volume 2 - 163
28	02	01	1630	Ammo Modernization.....	Volume 2 - 169
29	02	01	1660	Items less than \$5 million.....	Volume 2 - 171

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Navy • President's Budget FY 2012 • Procurement

Master Line Item Table of Contents (Alphabetically by Line Item Title)

Line Item Title	Line Item Number	Line #	BA	BSA	Page
120 MM, All Types	1121	20	02	01... Volume 2 - 79	
40 MM, All Types	1050	17	02	01... Volume 2 - 33	
5 Inch/54 Gun Ammunition	0250	09	01	01... Volume 1 - 77	
60 MM, All Types	1083	18	02	01... Volume 2 - 51	
81 MM, All Types	1091	19	02	01... Volume 2 - 63	
Air Expendable Countermeasures	0182	07	01	01... Volume 1 - 61	
Airborne Rockets, All Types	0151	03	01	01... Volume 1 - 21	
Ammo Modernization	1630	28	02	01. Volume 2 - 169	
Ammunition less than \$5 million	0400	14	01	01. Volume 1 - 141	
Artillery, All Types	1473	24	02	01. Volume 2 - 115	
CTG 25 MM, All Types	1388	21	02	01... Volume 2 - 89	
Cartridge Actuated Devices/Propellant Act Devices	0180	06	01	01... Volume 1 - 53	
Demolition Munitions, All Types	1500	25	02	01. Volume 2 - 135	
Fuze, All Types	1625	26	02	01. Volume 2 - 155	
General Purpose Bombs	0145	01	01	01..... Volume 1 - 1	
Grenades, All Types	1468	22	02	01... Volume 2 - 95	
Intermediate Caliber Gun Ammo	0266	10	01	01... Volume 1 - 85	

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Navy • President's Budget FY 2012 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Items less than \$5 million	1660	29	02	01. Volume 2 - 171	
JT Direct Attack Munition (JDAM)	0148	02	01	01... Volume 1 - 15	
Jet Assisted Take Off (JATOs)	0194	08	01	01... Volume 1 - 75	
Linear Charges, All Types	1030	16	02	01... Volume 2 - 23	
Machine Gun Ammunition	0155	04	01	01... Volume 1 - 35	
Non Lethals	1628	27	02	01. Volume 2 - 163	
Other Ship Gun Ammunition	0270	11	01	01... Volume 1 - 93	
Practice Bombs	0160	05	01	01... Volume 1 - 45	
Pyrotechnic and Demolition	0340	13	01	01. Volume 1 - 123	
Rockets, All Types	1471	23	02	01. Volume 2 - 107	
Small Arms & Lndg Party Ammo	0335	12	01	01. Volume 1 - 103	
Small Arms Ammunition	1000	15	02	01..... Volume 2 - 1	

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Navy • President's Budget FY 2012 • Procurement

Line Item Table of Contents (by Appropriation then Line Number)

Appropriation 1508N: Procurement of Ammo, Navy & MC

Line #	BA	BSA	Line Item Number	Line Item Title	Page
15	02	01	1000	Small Arms Ammunition.....	Volume 2 - 1
16	02	01	1030	Linear Charges, All Types.....	Volume 2 - 23
17	02	01	1050	40 MM, All Types.....	Volume 2 - 33
18	02	01	1083	60 MM, All Types.....	Volume 2 - 51
19	02	01	1091	81 MM, All Types.....	Volume 2 - 63
20	02	01	1121	120 MM, All Types.....	Volume 2 - 79
21	02	01	1388	CTG 25 MM, All Types.....	Volume 2 - 89
22	02	01	1468	Grenades, All Types.....	Volume 2 - 95
23	02	01	1471	Rockets, All Types.....	Volume 2 - 107
24	02	01	1473	Artillery, All Types.....	Volume 2 - 115
25	02	01	1500	Demolition Munitions, All Types.....	Volume 2 - 135
26	02	01	1625	Fuze, All Types.....	Volume 2 - 155
27	02	01	1628	Non Lethals.....	Volume 2 - 163
28	02	01	1630	Ammo Modernization.....	Volume 2 - 169
29	02	01	1660	Items less than \$5 million.....	Volume 2 - 171

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Navy • President's Budget FY 2012 • Procurement

Line Item Table of Contents (Alphabetically by Line Item Title)

Line Item Title	Line Item Number	Line #	BA	BSA	Page
120 MM, All Types	1121	20	02	01... Volume 2 -	79
40 MM, All Types	1050	17	02	01... Volume 2 -	33
60 MM, All Types	1083	18	02	01... Volume 2 -	51
81 MM, All Types	1091	19	02	01... Volume 2 -	63
Ammo Modernization	1630	28	02	01. Volume 2 -	169
Artillery, All Types	1473	24	02	01. Volume 2 -	115
CTG 25 MM, All Types	1388	21	02	01... Volume 2 -	89
Demolition Munitions, All Types	1500	25	02	01. Volume 2 -	135
Fuze, All Types	1625	26	02	01. Volume 2 -	155
Grenades, All Types	1468	22	02	01... Volume 2 -	95
Items less than \$5 million	1660	29	02	01. Volume 2 -	171
Linear Charges, All Types	1030	16	02	01... Volume 2 -	23
Non Lethals	1628	27	02	01. Volume 2 -	163
Rockets, All Types	1471	23	02	01. Volume 2 -	107
Small Arms Ammunition	1000	15	02	01..... Volume 2 -	1

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity:
 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 :
 Marine Corps Ammunition

P-1 Line Item Nomenclature:
 1000 - Small Arms Ammunition

ID Code (A=Service Ready, B=Not Service Ready) : A **Related Program Elements:**

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	104.440	84.337	58.812	19.575	78.387	78.632	72.584	72.499	73.526	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	104.440	84.337	58.812	19.575	78.387	78.632	72.584	72.499	73.526	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	104.440	84.337	58.812	19.575	78.387	78.632	72.584	72.499	73.526	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

Base Appropriation Request:

This funding (DODIC A001) supports the procurement of components used in building small arms cartridges in support of the Marine Corps Rifle Team, Quantico, Virginia.

The Cartridge, 12 Gauge 1 Ounce Slug Commercial (DODIC A023) is procured from commercial manufacturers for training, combat, survival, and guard purposes with the M500, M590, and M870 12 gauge, auto-loading, and pump-action shotguns. The cartridge case consists of a metal (brass or plated steel) head containing a propellant charge and smokeless powder and a plastic sleeve containing a 1-ounce lead slug. The cartridge design type is a plain slug.

The Cartridge, Ball M855 10/Clip (DODIC A059) is the primary ball ammunition for the M16A2 Rifle and can be used in the M249 Squad Automatic Weapon (SAW) with a magazine.

The Cartridge, 5.56mm Ball M855 Linked (DODIC A062) is used in the M249 SAW Machine Gun and is intended for training during dry conditions where tracer ammunition is restricted from use.

The Cartridge, 5.56mm Tracer M856 Single Round (DODIC A063) is used with the M249 SAW Machine Gun and the M16A2 Rifle. The M856 Single Round has an orange tip on the projectile to identify the cartridge as a tracer. The tracer round is used for illuminating the trajectory path, incendiary, and signaling purposes. The cartridge consists of a brass cartridge case, a primer, propellant and bullet.

The Cartridge, 5.56mm 4 Ball M855/1 Tracer M856 Linked (DODIC A064) is the standard ammunition used for combat and training in the M249 SAW Machine Gun. The M856 Tracer cartridge is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact.

The Cartridge, 5.56mm Blank M200 Linked (DODIC A075) is used in the M249 Squad Automatic Weapon (SAW) Machine Gun. It is designed to simulate firing during training exercises. The cartridge is identified by a rosette crimp closure of the cartridge mouth.

The Cartridge, 5.56mm Blank M200 Single Round (DODIC A080) is used in the M16A2 Rifle and can be used in the M249 SAW Machine Gun with a magazine. It is designed to simulate firing during training exercises. The cartridge can be identified by a rosette crimp closure of the cartridge mouth.

The Cartridge, Caliber .22 Ball Long Rifle Match (Rifle) (DODIC A091) ammunition is used in .22 caliber Remington Model 40X-H1 Rifles. The round is intended for military marksmanship training.

Cartridge, 7.62 MM (DODIC A102) ball ammunition is designed for use with the AK47 rifle to provide simulated enemy actions during training evolutions.

The Cartridge, 7.62 MM blank (DODIC A103) is designed for training exercises to simulate live fire with the AK47 assault rifle.

The Cartridge, 7.62mm 4 Ball M80/1 Tracer M62 Linked (DODIC A131) is mainly used in the M240 Machine Guns against personnel and unarmored targets. The M62 Tracer round is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact.

The Cartridge, 7.62mm Ball M80 Linked (DODIC A143) is used mainly in the M240 machine guns against personnel and unarmored targets. The DODIC A143 is used to augment DODIC A131 as dictated by local fire conditions.

The Cartridge, 9mm Jacketed Hollow Point JHP (DODIC A260) ammunition is a 9mm cartridge that produces a subsonic velocity and may be used in M9 Pistols and MP5N Submachine Guns.

The Cartridge, 9mm Ball M882 (DODIC A363) is intended for use against enemy personnel and for security purposes. This cartridge may be used in the M9 Service Pistol and the MP5N Submachine Gun.

The Cartridge, Caliber .45 Ball M1911 (DODIC A475) is intended for use against personnel and used in the M1911/A1 Automatic Pistols, M1, M1A1, and M3 Submachine Guns.

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy		Date: February 2011
Appropriation / Budget Activity / Budget Sub Activity: 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 : Marine Corps Ammunition		P-1 Line Item Nomenclature: 1000 - Small Arms Ammunition
ID Code (A=Service Ready, B=Not Service Ready) : A	Related Program Elements:	
<p>The Cartridge, Caliber .50 4 API M8/1 API-T M20 Linked (DODIC A576) is used in M2 .50 caliber Machine Guns against armored targets. Upon impact with the target, the incendiary mixture bursts into flames and ignites the flammable material.</p> <p>The Cartridge, Caliber .50 Blank M1A1 Linked (DODIC A598) is used to simulate firing in training exercises using the M2 Machine Guns. The M1A1 Cartridge is identified by the absence of a bullet.</p> <p>The Cartridge, Caliber .50 API MK211 Mod 0 Single Round (DODIC A606) is used in the M82A3 Special Application Scoped Rifle (SASR) sniper rifle against armored targets. This cartridge is an improved version of the M8-API that provides penetration, fragmentation, and fire starting capabilities upon impact.</p> <p>The Cartridge, 5.56mm 4 armor piercing M995/1 Tracer M856 Linked (DODIC AA02) is used in the M249 Squad Automatic Weapon (SAW) Machine Gun. The rounds are linked with M27 Links. The M995 and M856 round consists of a brass cartridge case, a primer and propellant. The M995 Armor Piercing round has a black bullet tip for identification. The M856 Tracer round has an orange bullet tip for identification.</p> <p>The Cartridge, 7.62mm Armor Piercing M993 Single (DODIC AA03) is used in the M240 Machine Guns. The cartridge is used in machine guns against personnel and light armored or unarmored targets, concrete shelters, and similar bullet-resisting targets. The M993 consists of a brass cartridge case, a primer and propellant. The M993 armor piercing round has a black stripe circling the tip for identification.</p> <p>The Cartridge, 7.62mm 4 armor piercing M993/1 Tracer M62 Linked (DODIC AA04) is used in the M240 Machine Guns. The cartridge is used in machine guns against personnel and light armored or unarmored targets, concrete shelters, and similar bullet-resisting targets. The M993 and M62 consist of a brass cartridge case, a primer and propellant. The M993 armor piercing round has a black stripe circling the tip for identification. The M62 Tracer round consists of a brass cartridge case and a bullet with an orange tip for identification.</p> <p>The Cartridge, 7.62mm Long Range M118 LR (DODIC AA11) is intended for long-range sniper and match firing and is used in the M86 Sniper and the M14 Rifles. This cartridge is used in training and for missions demanding accurate single fire that typically involves sniper and marksmanship applications.</p> <p>The Cartridge, 9mm Red Marking (DODIC AA12) is utilized with the M4A1 Carbine, Sig Sauer P226 Pistol, MP5 Submachine Gun and M9 Special Effects Small Arms Marking System (SESAMS) Adapter Kits. Weapons fitted with the training adapters will operate semi or full automatic simulating live fire. The intended use for this cartridge is to provide enhanced training by allowing force-on-force training versus firing at silhouette on impact. When the projectile impacts a target, the plastic projectile sheath breaks and detergent marks the target indicating a hit.</p> <p>The Cartridge, 9mm Blue Marking (DODIC AA21) is utilized with the M4A1 Carbine, Sig Sauer P226 Pistol, MP5 Submachine Gun and M9 Special SESAMS Adapter Kits. Weapons fitted with the training adapters will operate semi or full automatic simulating live fire. The intended use for this cartridge is to provide enhanced training by allowing force-on-force training versus firing at silhouette on impact. When the projectile impacts a target, the plastic projectile sheath breaks and detergent marks the target indicating a hit.</p> <p>The Cartridge, 5.56mm Jacketed Frangible (DODIC AA40) is intended for use against personnel without collateral damage. It is intended to penetrate soft targets with the projectile breaking up on impact with hard targets. The DODIC AA40 consists of a brass cartridge case, a primer and propellant composition. The Jacketed Frangible cartridge contains a non-toxic, copper, tungsten powder and nylon binder designed to eliminate airborne lead and concerns for disposal.</p> <p>Cartridge 5.56 Special Match Molybdenum Coated (DODIC: AA67). This cartridge is in support of the Marine Corps Competition in Arms Program.</p> <p>The Cartridge, 5.56mm FX Blue Marking Linked (AA91) is used in the M249 Squad Automatic Weapon, simulating automatic weapon live fire. When the round impacts a target, the plastic projectile sheath breaks and marks the target, indicating a hit.</p> <p>The foreign ammunition (DODIC APKM) is to support the requirements for Marines to conduct familiarization training with the AK series weapons (Soviet 7.62mm x 51mm assault rifles), RPD light machineguns (Soviet 7.62mm x 39mm machineguns/squad automatic weapons), and PKM medium machineguns (Soviet designed 7.62mm xx 54r mm machineguns.)</p> <p>The Primer, Percussion W209 (DODIC AX14) consists of a rimmed battery cup approximately .24 inches in diameter and .30 inches in length. It has an inverted primer cup loaded with .88 grains of lead styphnate pressed into one end and a flash hole approximately .095 inches in diameter at the opposite end. The Percussion Cap Primer is used to initiate a Blasting Cap/Detonator or igniter charge. It is issued separately for repriming firing devices used with regular practice mines, improvised practice mines or booby traps as well as demolition firing devices.</p> <p>The Cartridge, Caliber .50 Reduced Range 4 Ball/1 Tracer Linked (DODIC: AXX1) is a Reduced/Limited Range Caliber .50 that does not exceed the current 5.56mm maximum range. It is used in M2 .50 Caliber Machine Guns to augment or in lieu of DODIC A576.</p> <p>The Cartridge, Caliber .50 Reduced Range Ball Linked (DODIC: AXX2) is a Reduced/Limited Range Caliber .50 that does not exceed the current 5.56mm maximum range. It is used in M2 .50 Caliber Machine Guns to augment or in lieu of DODIC A555.</p> <p>The Cartridge, 9mm Blank Single Round (DODIC: AXX3) is blank training cartridge used in the M9 Pistol simulating weapon live fire. The round will be used by the Military Police (MP) to train canines to not be impacted or respond erratically by the audible noise of the weapon.</p> <p>FY12 Overseas Contingency Operations Request (OCO): DODIC A059, \$6.871; DODIC A131, \$5.856; DODIC A363, \$0.088, DODIC A576, \$6.760. Lack of funding to replace combat expenditures will further erode the USMC's WRMR stockpile and negatively affect our ability to execute another MCO, if required.</p>		

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1000 - Small Arms Ammunition					Item Nomenclature: Small Arms Ammunition									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
1) A001 RIFLE TEAM AMMUNITION		-	-	-	-	-	0.236	-	-	0.244	-	-	0.200	-	-	-	-	-	0.200
1.1) A001 COMPLETE ROUND	A	-	-	-	-	-	0.236	-	-	0.244	-	-	0.200	-	-	-	-	-	0.200
2) A023 CTG, 12 GAUGE SLUG		-	-	-	-	-	-	-	-	-	-	-	0.163	-	-	-	-	-	0.163
† 2.1) A023 CTG, 12 GAUGE SLUG	A	-	-	-	-	-	-	-	-	-	0.65	250,769	0.163	-	-	-	0.65	250,769	0.163
3) A059 CTG, 5.56MM BALL		-	-	-	-	-	62.290	-	-	48.784	-	-	26.751	-	-	6.871	-	-	33.622
† 3.1) A059 CTG, LOAD, ASSEMBLE AND PACK (LAP) ⁽¹⁾	A	-	-	-	0.29	204,324K	59.865	0.37	126,570K	46.831	0.37	65,393K	24.136	0.37	17,919K	6.614	0.37	83,312K	30.750
† 3.2) A059 BOX METAL M2A1 (EA)	A	-	-	-	8.37	245,262	2.054	10.45	123,179	1.287	11.86	63,125	0.749	11.86	17,681	0.210	11.87	80,806	0.959
† 3.3) A059 BOX METAL M2A1 (EA)	A	-	-	-	8.97	2,000	0.018	10.47	30,000	0.314	11.86	16,000	0.190	11.86	4,000	0.047	11.85	20,000	0.237
3.4) A059 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.336	-	-	0.335	-	-	1.592	-	-	-	-	-	1.592
3.5) A059 QUALITY ASSURANCE	A	-	-	-	-	-	0.017	-	-	0.017	-	-	0.025	-	-	-	-	-	0.025
3.6) A059 ACCEPTANCE TESTING	A	-	-	-	-	-	-	-	-	-	-	-	0.045	-	-	-	-	-	0.045
3.7) A059 PRODUCTION VERIFICATION TEST	A	-	-	-	-	-	-	-	-	-	-	-	0.014	-	-	-	-	-	0.014
4) A062 CTG 5.56MM BALL LINKED		-	-	-	-	-	0.143	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 4.1) A062 COMPLETE ROUND	A	-	-	-	0.36	342,181	0.124	-	-	-	-	-	0.000	-	-	-	-	-	0.000
4.2) A062 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.016	-	-	-	-	-	0.000	-	-	-	-	-	0.000
4.3) A062 QUALITY ASSURANCE	A	-	-	-	-	-	0.002	-	-	-	-	-	0.000	-	-	-	-	-	0.000
4.4) A062 ACCEPTANCE TESTING	A	-	-	-	-	-	0.001	-	-	-	-	-	0.000	-	-	-	-	-	0.000

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011					
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1000 - Small Arms Ammunition					Item Nomenclature: Small Arms Ammunition										
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012									
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M	
5) A063 CTG, 5.56MM TRACER M856 SINGLE ROUND		-	-	-	-	-	-	-	-	-	-	-	-	0.500	-	-	-	-	-	0.500
† 5.1) A063 LOAD, ASSEMBLE AND PACK (LAP) ⁽²⁾	A	-	-	-	-	-	-	-	-	-	0.74	651,680	0.485	-	-	-	0.74	651,680	0.485	
† 5.2) A063 BOX METAL M2A1 (EA) ⁽³⁾	A	-	-	-	-	-	-	-	-	-	11.76	850	0.010	-	-	-	11.76	850	0.010	
5.3) A063 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	0.005	-	-	-	-	-	0.005	
6) A064 CTG, 5.56MM 4 & 1 LINKED		-	-	-	-	-	5.330	-	-	7.423	-	-	3.000	-	-	-	-	-	3.000	
† 6.1) A064 COMPLETE ROUND ⁽⁴⁾	A	-	-	-	0.40	13,081K	5.272	0.45	16,511K	7.377	0.54	5,490K	2.957	-	-	-	0.54	5,490K	2.957	
6.2) A064 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.044	-	-	0.039	-	-	0.039	-	-	-	-	-	0.039	
6.3) A064 QUALITY ASSURANCE	A	-	-	-	-	-	0.009	-	-	0.004	-	-	0.003	-	-	-	-	-	0.003	
6.4) A064 ACCEPTANCE TESTING	A	-	-	-	-	-	0.005	-	-	0.003	-	-	0.000	-	-	-	-	-	0.000	
6.5) A064 PRODUCTION VERIFICATION TEST	A	-	-	-	-	-	-	-	-	-	-	-	0.001	-	-	-	-	-	0.001	
7) A075 CTG, 5.56MM BLANK LINKED		-	-	-	-	-	2.366	-	-	1.098	-	-	1.000	-	-	-	-	-	1.000	
† 7.1) A075 COMPLETE ROUND	A	-	-	-	0.34	6,904K	2.347	0.44	2,484K	1.082	0.43	2,280K	0.984	-	-	-	0.43	2,280K	0.984	
7.2) A075 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.018	-	-	0.015	-	-	0.016	-	-	-	-	-	0.016	
7.3) A075 ACCEPTANCE TESTING	A	-	-	-	-	-	0.001	-	-	0.001	-	-	0.000	-	-	-	-	-	0.000	
8) A080 CTG, 5.56MM BLANK		-	-	-	-	-	1.387	-	-	0.984	-	-	2.000	-	-	-	-	-	2.000	
† 8.1) A080 LOAD, ASSEMBLE, AND PACK (LAP)	A	-	-	-	0.23	5,677K	1.310	0.30	3,062K	0.932	0.30	6,257K	1.888	-	-	-	0.30	6,257K	1.888	
† 8.2) A080 BOX METAL M2A1 (EA)	A	-	-	-	9.99	5,005	0.050	12.25	2,000	0.025	11.86	4,000	0.047	-	-	-	11.86	4,000	0.047	

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011					
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1000 - Small Arms Ammunition					Item Nomenclature: Small Arms Ammunition										
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012									
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M	
† 8.3) A080 BOX METAL M2A1 (EA)	A	-	-	-	-	-	-	12.25	1,000	0.012	11.86	1,000	0.012	-	-	-	11.86	1,000	0.012	
8.4) A080 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.025	-	-	0.013	-	-	0.051	-	-	-	-	-	-	0.051
8.5) A080 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	-	-	-	0.001	-	-	-	-	-	-	0.001
8.6) A080 ACCEPTANCE TESTING	A	-	-	-	-	-	0.002	-	-	0.002	-	-	0.000	-	-	-	-	-	-	0.000
8.7) A080 PRODUCTION VERIFICATION TEST	A	-	-	-	-	-	-	-	-	-	-	-	0.001	-	-	-	-	-	-	0.001
9) A091 CTG, 7.62MM BLANK LINKED		-	-	-	-	-	-	-	-	-	-	-	0.250	-	-	-	-	-	-	0.250
† 9.1) A091 COMPLETE ROUND	A	-	-	-	-	-	-	-	-	-	0.37	654,414	0.244	-	-	-	0.37	654,414	0.244	
9.2) A091 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	0.005	-	-	-	-	-	-	0.005
9.3) A091 PRODUCTION VERIFICATION TEST	A	-	-	-	-	-	-	-	-	-	-	-	0.001	-	-	-	-	-	-	0.001
10) A102 CTG, 7.62MM X 39 FOR AK-47		-	-	-	-	-	0.084	-	-	0.500	-	-	0.000	-	-	-	-	-	-	0.000
† 10.1) A102 COMPLETE ROUND	A	-	-	-	0.33	254,545	0.084	0.34	1,471K	0.500	-	-	0.000	-	-	-	-	-	-	0.000
11) A103 CTG, 7.62MM X 39 BLANK FOR AK-47		-	-	-	-	-	-	-	-	0.018	-	-	0.000	-	-	-	-	-	-	0.000
† 11.1) A103 COMPLETE ROUND	A	-	-	-	-	-	-	0.34	52,941	0.018	-	-	0.000	-	-	-	-	-	-	0.000
12) A131 CTG, 7.62MM 4 & 1 LINKED		-	-	-	-	-	7.799	-	-	7.146	-	-	5.474	-	-	5.856	-	-	-	11.330
† 12.1) A131 COMPLETE ROUND	A	-	-	-	0.71	10,319K	7.370	0.88	7,761K	6.834	0.95	5,254K	5.007	0.95	6,145K	5.856	0.95	11,400K	10.863	
12.2) A131 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.344	-	-	0.275	-	-	0.467	-	-	-	-	-	-	0.467
12.3) A131 QUALITY ASSURANCE	A	-	-	-	-	-	0.009	-	-	0.005	-	-	0.000	-	-	-	-	-	-	0.000
12.4) A131 ACCEPTANCE TESTING	A	-	-	-	-	-	0.076	-	-	0.032	-	-	0.000	-	-	-	-	-	-	0.000

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1000 - Small Arms Ammunition					Item Nomenclature: Small Arms Ammunition									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
13) A143 CTG, 7.62MM BALL LINKED		-	-	-	-	-	4.721	-	-	1.685	-	-	0.000	-	-	-	-	-	0.000
† 13.1) A143 COMPLETE ROUND	A	-	-	-	0.68	6,664K	4.551	0.84	1,824K	1.524	-	-	0.000	-	-	-	-	-	0.000
13.2) A143 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.170	-	-	0.160	-	-	0.000	-	-	-	-	-	0.000
13.3) A143 ACCEPTANCE TESTING	A	-	-	-	-	-	-	-	-	0.001	-	-	0.000	-	-	-	-	-	0.000
14) A260 CTG, 9MM SUBSONIC JHP		-	-	-	-	-	-	-	-	-	-	-	0.061	-	-	-	-	-	0.061
† 14.1) A260 COMPLETE ROUND	A	-	-	-	-	-	-	-	-	-	0.35	174,286	0.061	-	-	-	0.35	174,286	0.061
15) A363 CTG, 9MM BALL		-	-	-	-	-	3.584	-	-	0.434	-	-	2.000	-	-	0.088	-	-	2.088
† 15.1) A363 LOAD, ASSEMBLE, AND PACK (LAP) ⁽⁵⁾	A	-	-	-	0.14	22,614K	3.259	0.15	2,465K	0.362	0.18	9,961K	1.763	0.18	465,559	0.082	0.18	10,426K	1.845
† 15.2) A363 BOX METAL M2A1 (EA)	A	-	-	-	9.96	2,000	0.020	12.25	2,531	0.031	11.86	8,000	0.095	-	-	-	11.86	8,000	0.095
† 15.3) A363 BOX METAL M2A1 (EA)	A	-	-	-	9.96	21,000	0.209	-	-	-	11.86	2,000	0.024	11.86	506	0.006	11.97	2,506	0.030
15.4) A363 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.095	-	-	0.040	-	-	0.108	-	-	-	-	-	0.108
15.5) A363 QUALITY ASSURANCE	A	-	-	-	-	-	0.001	-	-	0.001	-	-	0.003	-	-	-	-	-	0.003
15.6) A363 PRODUCTION VERIFICATION TEST	A	-	-	-	-	-	-	-	-	-	-	-	0.007	-	-	-	-	-	0.007
16) A475 CTG, CAL .45 BALL		-	-	-	-	-	-	-	-	-	-	-	2.304	-	-	-	-	-	2.304
† 16.1) A475 LOAD, ASSEMBLE, AND PACK (LAP)	A	-	-	-	-	-	-	-	-	-	0.58	3,799K	2.220	-	-	-	0.58	3,799K	2.220
† 16.2) A475 BOX METAL M2A1 (EA)	A	-	-	-	-	-	-	-	-	-	11.86	3,079	0.037	-	-	-	11.86	3,079	0.037
† 16.3) A475 BOX METAL M2A1 (EA)	A	-	-	-	-	-	-	-	-	-	11.86	767	0.009	-	-	-	11.86	767	0.009

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1000 - Small Arms Ammunition					Item Nomenclature: Small Arms Ammunition									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
16.4) A475 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	0.030	-	-	-	-	-	0.030
16.5) A475 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	-	-	-	0.007	-	-	-	-	-	0.007
16.6) A475 PRODUCTION VERIFICATION TEST	A	-	-	-	-	-	-	-	-	-	-	-	0.001	-	-	-	-	-	0.001
17) A576 CTG, CAL .50 4 & 1 LINKED		-	-	-	-	-	11.592	-	-	5.923	-	-	8.909	-	-	6.760	-	-	15.669
† 17.1) A576 LOAD, ASSEMBLE, AND PACK (LAP) ⁽⁶⁾	A	-	-	-	2.54	4,329K	10.982	3.19	1,749K	5.575	3.05	2,718K	8.290	3.05	2,132K	6.502	3.05	4,850K	14.792
† 17.2) A576 BOX METAL M2A1 (EA)	A	-	-	-	8.97	24,000	0.215	12.25	14,000	0.172	11.86	22,000	0.261	11.86	17,875	0.212	11.86	39,875	0.473
† 17.3) A576 BOX METAL M2A1 (EA)	A	-	-	-	10.43	20,000	0.209	12.25	4,000	0.049	11.86	6,000	0.071	11.86	3,850	0.046	11.88	9,850	0.117
17.4) A576 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.170	-	-	0.113	-	-	0.274	-	-	-	-	-	0.274
17.5) A576 QUALITY ASSURANCE	A	-	-	-	-	-	0.006	-	-	0.001	-	-	0.009	-	-	-	-	-	0.009
17.6) A576 ACCEPTANCE TESTING	A	-	-	-	-	-	0.010	-	-	0.013	-	-	0.000	-	-	-	-	-	0.000
17.7) A576 PRODUCTION VERIFICATION TEST	A	-	-	-	-	-	-	-	-	-	-	-	0.004	-	-	-	-	-	0.004
18) A598 CTG, CAL .50 BLANK LINKED M2		-	-	-	-	-	0.098	-	-	-	-	-	1.000	-	-	-	-	-	1.000
† 18.1) A598 LOAD, ASSEMBLE AND PACK (LAP)	A	-	-	-	1.66	55,580	0.092	-	-	-	1.95	469,838	0.914	-	-	-	1.95	469,838	0.914
† 18.2) A598 BOX METAL M2A1 (EA)	A	-	-	-	8.97	557	0.005	-	-	-	11.86	3,879	0.046	-	-	-	11.86	3,879	0.046
† 18.3) A598 BOX METAL M2A1 (EA)	A	-	-	-	-	-	-	-	-	-	11.86	1,000	0.012	-	-	-	11.86	1,000	0.012
18.4) A598 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.001	-	-	-	-	-	0.026	-	-	-	-	-	0.026

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011					
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1000 - Small Arms Ammunition					Item Nomenclature: Small Arms Ammunition										
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012									
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M	
18.5) A598 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	-	-	-	-	0.001	-	-	-	-	-	0.001
18.6) A598 PRODUCTION VERIFICATION TEST	A	-	-	-	-	-	-	-	-	-	-	-	-	0.001	-	-	-	-	-	0.001
19) A606 CTG, CAL .50 API SNIPER RIFLE		-	-	-	-	-	0.197	-	-	0.197	-	-	0.000	-	-	-	-	-	-	0.000
† 19.1) A606 LOAD, ASSEMBLE, AND PACK (LAP) ⁽⁷⁾	A	-	-	-	10.71	18,021	0.193	13.02	14,975	0.195	-	-	0.000	-	-	-	-	-	-	0.000
† 19.2) A606 BOX METAL M2A1 (EA)	A	-	-	-	11.45	151	0.002	12.25	163	0.002	-	-	0.000	-	-	-	-	-	-	0.000
19.3) A606 BOX METAL M2A1 (EA) ⁽⁸⁾	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	0.000
19.4) A606 QUALITY ASSURANCE	A	-	-	-	-	-	0.002	-	-	-	-	-	0.000	-	-	-	-	-	-	0.000
20) AA02 CTG, 5.56MM 4 AP M995: ITRACER		-	-	-	-	-	-	-	-	3.000	-	-	0.000	-	-	-	-	-	-	0.000
† 20.1) AA02 LOAD, ASSEMBLE, AND PACK (LAP)	A	-	-	-	-	-	-	0.30	2,247K	0.684	-	-	0.000	-	-	-	-	-	-	0.000
† 20.2) AA02 COMMERCIAL PACK	A	-	-	-	-	-	-	1.29	1,797K	2.316	-	-	0.000	-	-	-	-	-	-	0.000
21) AA03 CTG, 7.62MM M993 ARMOR PIERCING (AP)		-	-	-	-	-	-	-	-	1.899	-	-	0.000	-	-	-	-	-	-	0.000
† 21.1) AA03 LOAD, ASSEMBLE, AND PACK (LAP)	A	-	-	-	-	-	-	0.20	759,758	0.150	-	-	0.000	-	-	-	-	-	-	0.000
† 21.2) AA03 AP PENETRATOR	A	-	-	-	-	-	-	2.30	759,758	1.746	-	-	0.000	-	-	-	-	-	-	0.000
21.3) AA03 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	0.003	-	-	0.000	-	-	-	-	-	-	0.000
22) AA04 CTG, 7.62MM 4 AP M995 TP 1 TRACER		-	-	-	-	-	-	-	-	1.022	-	-	0.000	-	-	-	-	-	-	0.000
† 22.1) AA04 LOAD, ASSEMBLE, AND PACK (LAP)	A	-	-	-	-	-	-	0.43	447,897	0.191	-	-	0.000	-	-	-	-	-	-	0.000

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Exhibit P-5, Cost Analysis : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1000 - Small Arms Ammunition **Item Nomenclature:** Small Arms Ammunition

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
† 22.2) AA04 AP PENETRATOR	A	-	-	-	-	-	-	2.30	357,826	0.823	-	-	0.000	-	-	-	-	-	0.000
22.3) AA04 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	0.008	-	-	0.000	-	-	-	-	-	0.000
23) AA11 CTG, 7.62MM BALL LONG RANGE		-	-	-	-	-	2.062	-	-	0.983	-	-	0.000	-	-	-	-	-	0.000
† 23.1) AA11 LOAD, ASSEMBLE AND PACK (LAP) ⁽⁹⁾	A	-	-	-	0.86	2,296K	1.972	1.06	889,756	0.942	-	-	0.000	-	-	-	-	-	0.000
† 23.2) AA11 BOX METAL M2A1 (EA)	A	-	-	-	8.36	5,026	0.042	12.25	1,959	0.024	-	-	0.000	-	-	-	-	-	0.000
23.3) AA11 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.027	-	-	0.015	-	-	0.000	-	-	-	-	-	0.000
23.4) AA11 QUALITY ASSURANCE	A	-	-	-	-	-	0.005	-	-	0.001	-	-	0.000	-	-	-	-	-	0.000
23.5) AA11 ACCEPTANCE TESTING	A	-	-	-	-	-	0.016	-	-	0.001	-	-	0.000	-	-	-	-	-	0.000
24) AA12 CTG, 9MM SESAMS (RED)		-	-	-	-	-	1.000	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 24.1) AA12 COMPLETE ROUND	A	-	-	-	0.36	2,778K	1.000	-	-	-	-	-	0.000	-	-	-	-	-	0.000
25) AA21 CTG, 9MM SESAMS (BLUE)		-	-	-	-	-	1.384	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 25.1) AA21 COMPLETE ROUND	A	-	-	-	0.36	3,844K	1.384	-	-	-	-	-	0.000	-	-	-	-	-	0.000
26) AA40 CTG, 5.56MM JACKETED FRANGIBLE		-	-	-	-	-	-	-	-	-	-	-	1.000	-	-	-	-	-	1.000
† 26.1) AA40 COMPLETE ROUND	A	-	-	-	-	-	-	-	-	-	0.33	3,030K	1.000	-	-	-	0.33	3,030K	1.000
27) AA67 CTG, 5.56MM MOLY COATED		-	-	-	-	-	0.167	-	-	0.100	-	-	0.000	-	-	-	-	-	0.000
† 27.1) AA67 COMPLETE ROUND	A	-	-	-	0.52	321,153	0.167	0.56	178,571	0.100	-	-	0.000	-	-	-	-	-	0.000
28) AA91 CTG 5.56MM MK289-0 FX MKG BLUE		-	-	-	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100

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Exhibit P-5, Cost Analysis : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1000 - Small Arms Ammunition **Item Nomenclature:** Small Arms Ammunition

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
† 28.1) AA91 COMPLETE ROUND	A	-	-	-	-	-	-	-	-	-	0.50	200,000	0.100	-	-	-	0.50	200,000	0.100
29) APKM, FOREIGN AMMO ALL TYPES		-	-	-	-	-	-	-	-	2.700	-	-	3.000	-	-	-	-	-	3.000
† 29.1) APKM COMPLETE ROUND	A	-	-	-	-	-	-	0.68	3,971K	2.700	0.61	4,918K	3.000	-	-	-	0.61	4,918K	3.000
30) AX14 PRIMER PERCUSSION 12 GA SHOTGUN BATTERY		-	-	-	-	-	-	-	-	0.197	-	-	0.000	-	-	-	-	-	0.000
† 30.1) AX14 COMPLETE ROUND	A	-	-	-	-	-	-	0.05	3,940K	0.197	-	-	0.000	-	-	-	-	-	0.000
31) AXX1 CTG, CALIBER .50 REDUCED RANGE 4 BALL/1		-	-	-	-	-	-	-	-	-	-	-	0.500	-	-	-	-	-	0.500
† 31.1) AXX1 COMPLETE ROUND	A	-	-	-	-	-	-	-	-	-	4.75	105,263	0.500	-	-	-	4.75	105,263	0.500
32) AXX2 CTG, CALIBER .50 REDUCED RANGE BALL LINK		-	-	-	-	-	-	-	-	-	-	-	0.500	-	-	-	-	-	0.500
† 32.1) AXX2 COMPLETE ROUND	A	-	-	-	-	-	-	-	-	-	4.61	108,344	0.500	-	-	-	4.61	108,344	0.500
33) AXX3 CTG 9MM BLANK SINGLE ROUND		-	-	-	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
† 33.1) AXX3 COMPLETE ROUND	A	-	-	-	-	-	-	-	-	-	2.00	50,000	0.100	-	-	-	2.00	50,000	0.100
Gross/Weapon System Cost		-	-	-	-	-	104.440	-	-	84.337	-	-	58.812	-	-	19.575	-	-	78.387
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	-	-	-	104.440	-	-	84.337	-	-	58.812	-	-	19.575	-	-	78.387
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	-	-	-	104.440	-	-	84.337	-	-	58.812	-	-	19.575	-	-	78.387
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:
⁽¹⁾CE 3.1, A059: The Army provided FY10 Prior Year total quantity of 352.74M. They did not provide the cost and the break out by year.
⁽²⁾CE 5.1, A063: The Army provided FY10 Prior Year total quantity of 2.33M. They did not provide the cost and the break out by year.
⁽³⁾CE 5.2, A063: The Army provided FY10 Prior Year total quantity of 2.33M. They did not provide the cost and the break out by year.
⁽⁴⁾CE 6.1, A064: The Army provided FY10 Prior Year total quantity of 46.95M. They did not provide the cost and the break out by year.

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Exhibit P-5, Cost Analysis : PB 2012 Navy		Date: February 2011
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1	P-1 Line Item Nomenclature: 1000 - Small Arms Ammunition	Item Nomenclature: Small Arms Ammunition
<p>⁽⁵⁾CE 15.1, A363: The Army provided FY10 Prior Year total quantity of 14.47M. They did not provide the cost and the break out by year.</p> <p>⁽⁶⁾CE 17.1, A576: The Army provided FY10 Prior Year total quantity of 10.59M. They did not provide the cost and the break out by year.</p> <p>⁽⁷⁾CE 19.1, A606: The Army provided FY10 Prior Year total quantity of 2.09M. They did not provide the cost and the break out by year.</p> <p>⁽⁸⁾FY11 Qty/Unit Cost/ Total Cost are 25/\$12.25/\$306.25(dollars). Total Cost could not be computed due to sytem rounding.</p> <p>⁽⁹⁾CE 23.1, AA11: The Army provided FY10 Prior Year total quantity of 8.65M. They did not provide the cost and the break out by year.</p>		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1000 - Small Arms Ammunition					Item Nomenclature: Small Arms Ammunition			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
2.1) A023 CTG, 12 GAUGE SLUG		2012	UNKNOWN / UNKNOWN	TBD	NSWC CD, CRANE, IN	Jun 2012	Dec 2012	250,769	0.65	Y		Dec 2011
3.1) A059 CTG, LOAD, ASSEMBLE AND PACK (LAP)		2010	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2010	Apr 2011	194,031K	0.30	Y		
3.1) A059 CTG, LOAD, ASSEMBLE AND PACK (LAP)	Y	2010	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2010	Dec 2010	10,293K	0.25	Y		
3.1) A059 CTG, LOAD, ASSEMBLE AND PACK (LAP)		2011	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2011	Oct 2011	116,564K	0.37	Y		
3.1) A059 CTG, LOAD, ASSEMBLE AND PACK (LAP)	Y	2011	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2011	Oct 2011	10,006K	0.37	Y		
3.1) A059 CTG, LOAD, ASSEMBLE AND PACK (LAP)		2012	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2012	Oct 2012	65,393K	0.37	Y		
3.1) A059 CTG, LOAD, ASSEMBLE AND PACK (LAP)	Y	2012	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2012	Oct 2012	17,919K	0.37	Y		
3.2) A059 BOX METAL M2A1 (EA)		2010	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2010	Jun 2010	234,777	8.35	Y		
3.2) A059 BOX METAL M2A1 (EA)	Y	2010	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2010	Jun 2010	10,485	8.97	Y		
3.2) A059 BOX METAL M2A1 (EA)		2011	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL ILRock Island Arsenal, IL	Mar 2011	Jun 2011	113,042	10.45	Y		
3.2) A059 BOX METAL M2A1 (EA)	Y	2011	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2011	Jun 2011	10,137	10.45	Y		
3.2) A059 BOX METAL M2A1 (EA)		2012	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2012	Jun 2012	63,125	11.86	Y		
3.2) A059 BOX METAL M2A1 (EA)	Y	2012	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2012	Jun 2012	17,681	11.86	Y		
3.3) A059 BOX METAL M2A1 (EA)	Y	2010	GENESEEE TRISTAR INC. / ROGERSVILLE, AL	C / FFP	Rock Island Arsenal, IL	Mar 2010	Jun 2010	2,000	8.97	Y		
3.3) A059 BOX METAL M2A1 (EA)		2011	GENESEEE TRISTAR INC. / ROGERSVILLE, AL	C / FFP	Rock Island Arsenal, IL	Mar 2011	Jun 2011	28,000	10.45	Y		
3.3) A059 BOX METAL M2A1 (EA)	Y	2011	GENESEEE TRISTAR INC. / ROGERSVILLE, AL	C / FFP	Rock Island Arsenal, IL	Mar 2011	Jun 2011	2,000	10.45	Y		
3.3) A059 BOX METAL M2A1 (EA)		2012	GENESEEE TRISTAR INC. / ROGERSVILLE, AL	C / FFP	Rock Island Arsenal, IL ILRock Island Arsenal, IL	Mar 2012	Jun 2012	16,000	11.86	Y		
3.3) A059 BOX METAL M2A1 (EA)	Y	2012	GENESEEE TRISTAR INC. / ROGERSVILLE, AL	C / FFP	Rock Island Arsenal, IL	Mar 2012	Jun 2012	4,000	11.86	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1000 - Small Arms Ammunition					Item Nomenclature: Small Arms Ammunition			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
4.1) A062 COMPLETE ROUND		2010	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2010	Jun 2010	342,181	0.36	Y		
5.1) A063 LOAD, ASSEMBLE AND PACK (LAP)		2012	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2012	Oct 2012	651,680	0.74	Y		
5.2) A063 BOX METAL M2A1 (EA)		2012	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2012	Jun 2012	850	11.76	Y		
6.1) A064 COMPLETE ROUND		2010	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2010	Dec 2010	7,352K	0.40	Y		
6.1) A064 COMPLETE ROUND	Y	2010	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2010	Mar 2011	5,730K	0.40	Y		
6.1) A064 COMPLETE ROUND		2011	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2011	Oct 2011	5,185K	0.54	Y		
6.1) A064 COMPLETE ROUND	Y	2011	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2011	Oct 2011	11,325K	0.40	Y		
6.1) A064 COMPLETE ROUND		2012	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2012	Oct 2012	5,490K	0.54	Y		
7.1) A075 COMPLETE ROUND		2010	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2010	Jul 2010	3,447K	0.37	Y		
7.1) A075 COMPLETE ROUND	Y	2010	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2010	Jul 2010	3,457K	0.31	Y		
7.1) A075 COMPLETE ROUND		2011	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2011	Oct 2011	2,484K	0.44	Y		
7.1) A075 COMPLETE ROUND		2012	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2012	Oct 2012	2,280K	0.43	Y		
8.1) A080 LOAD, ASSEMBLE, AND PACK (LAP)		2010	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2010	Jul 2010	5,677K	0.23	Y		
8.1) A080 LOAD, ASSEMBLE, AND PACK (LAP)		2011	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2011	Oct 2011	3,062K	0.30	Y		
8.1) A080 LOAD, ASSEMBLE, AND PACK (LAP)		2012	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2012	Oct 2012	6,257K	0.30	Y		
8.2) A080 BOX METAL M2A1 (EA)		2010	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2010	Jun 2010	5,005	9.99	Y		
8.2) A080 BOX METAL M2A1 (EA)		2011	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2011	Jun 2011	2,000	12.25	Y		
8.2) A080 BOX METAL M2A1 (EA)		2012	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2012	Jun 2012	4,000	11.86	Y		
8.3) A080 BOX METAL M2A1 (EA)		2011	GENESEE TRISTAR INC. / ROGERSVILLE, AL	C / FFP	Rock Island Arsenal, IL	Oct 2010	Jun 2011	1,000	12.25	Y		
8.3) A080 BOX METAL M2A1 (EA)		2012	GENESEE TRISTAR INC. / ROGERSVILLE, AL	C / FFP	Rock Island Arsenal, IL	Oct 2011	Jun 2012	1,000	11.86	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1000 - Small Arms Ammunition					Item Nomenclature: Small Arms Ammunition			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
9.1) A091 COMPLETE ROUND		2012	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Jan 2012	Jul 2012	654,414	0.37	Y		
10.1) A102 COMPLETE ROUND		2010	TAOS INDUSTRIIES / HUNTSVILLE, AL	C / FP	Rock Island Arsenal, IL	Jan 2010	Jul 2010	254,545	0.33	Y		
10.1) A102 COMPLETE ROUND		2011	TAOS INDUSTRIIES / HUNTSVILLE, AL	C / FP	Rock Island Arsenal, IL	Jan 2011	Jul 2011	1,471K	0.34	Y		
11.1) A103 COMPLETE ROUND		2011	TAOS INDUSTRIIES / HUNTSVILLE, AL	SS / FFP	NSWC CD, CRANE, IN	Jan 2011	Jul 2011	52,941	0.34	Y		
12.1) A131 COMPLETE ROUND		2010	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2010	Sep 2011	6,306K	0.71	Y		
12.1) A131 COMPLETE ROUND	Y	2010	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2010	Sep 2011	4,013K	0.71	Y		
12.1) A131 COMPLETE ROUND		2011	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2011	Oct 2011	4,354K	0.88	Y		
12.1) A131 COMPLETE ROUND	Y	2011	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2011	Oct 2011	3,407K	0.88	Y		
12.1) A131 COMPLETE ROUND		2012	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2012	Oct 2012	5,254K	0.95	Y		
12.1) A131 COMPLETE ROUND	Y	2012	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2012	Oct 2012	6,145K	0.95	Y		
13.1) A143 COMPLETE ROUND		2010	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2010	Oct 2010	5,460K	0.68	Y		
13.1) A143 COMPLETE ROUND	Y	2010	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2010	Oct 2010	1,204K	0.68	Y		
13.1) A143 COMPLETE ROUND		2011	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2011	Oct 2011	607,030	0.84	Y		
13.1) A143 COMPLETE ROUND	Y	2011	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2011	Oct 2011	1,217K	0.84	Y		
14.1) A260 COMPLETE ROUND		2012	UNKNOWN / UNKNOWN	C / TBD	NSWC CD, CRANE, IN	Jan 2012	Jul 2012	174,286	0.35	Y		
15.1) A363 LOAD, ASSEMBLE, AND PACK (LAP)		2010	OLIN CORPORATION / ILLINOIS	SS / FFP	Rock Island Arsenal, IL	Jan 2010	Jul 2010	22,614K	0.14	Y		
15.1) A363 LOAD, ASSEMBLE, AND PACK (LAP)	Y	2011	UNKNOWN / UNKNOWN	C / FFP	Rock Island Arsenal, IL	Jan 2011	Jul 2011	2,465K	0.15	Y		
15.1) A363 LOAD, ASSEMBLE, AND PACK (LAP)		2012	UNKNOWN / UNKNOWN	C / FFP	Rock Island Arsenal, IL	Jan 2012	Jul 2012	9,961K	0.18	Y		
15.1) A363 LOAD, ASSEMBLE, AND PACK (LAP)	Y	2012	UNKNOWN / UNKNOWN	C / FFP	Rock Island Arsenal, IL	Jan 2012	Jul 2012	465,559	0.18	Y		
15.2) A363 BOX METAL M2A1 (EA)		2010	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2010	Jun 2010	2,000	9.96	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1000 - Small Arms Ammunition					Item Nomenclature: Small Arms Ammunition			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
15.2) A363 BOX METAL M2A1 (EA)	Y	2011	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2011	Jun 2011	2,531	12.25	Y		
15.2) A363 BOX METAL M2A1 (EA)		2012	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2012	Jun 2012	8,000	11.86	Y		
15.3) A363 BOX METAL M2A1 (EA)		2010	GENESEE TRISTAR INC. / ROGERSVILLE, AL	C / FFP	Rock Island Arsenal, IL	Mar 2010	Jun 2010	21,000	9.96	Y		
15.3) A363 BOX METAL M2A1 (EA)		2012	GENESEE TRISTAR INC. / ROGERSVILLE, AL	C / FFP	Rock Island Arsenal, IL	Mar 2012	Jun 2012	2,000	11.86	Y		
15.3) A363 BOX METAL M2A1 (EA)	Y	2012	GENESEE TRISTAR INC. / ROGERSVILLE, AL	C / FFP	Rock Island Arsenal, IL	Mar 2012	Jun 2012	506	11.86	Y		
16.1) A475 LOAD, ASSEMBLE, AND PACK (LAP)		2012	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Jan 2012	Jul 2012	3,799K	0.58	Y		
16.2) A475 BOX METAL M2A1 (EA)		2012	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2012	Jul 2012	3,079	11.86	Y		
16.3) A475 BOX METAL M2A1 (EA)		2012	GENESEE TRISTAR INC. / ROGERSVILLE, AL	C / FFP	Rock Island Arsenal, IL	Mar 2012	Jun 2012	767	11.86	Y		
17.1) A576 LOAD, ASSEMBLE, AND PACK (LAP)		2010	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Feb 2010	Apr 2011	2,395K	2.59	Y		
17.1) A576 LOAD, ASSEMBLE, AND PACK (LAP)	Y	2010	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Feb 2010	Apr 2011	1,934K	2.47	Y		
17.1) A576 LOAD, ASSEMBLE, AND PACK (LAP)		2011	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2011	Oct 2011	1,749K	3.19	Y		
17.1) A576 LOAD, ASSEMBLE, AND PACK (LAP)		2012	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2012	Oct 2012	2,718K	3.05	Y		
17.1) A576 LOAD, ASSEMBLE, AND PACK (LAP)	Y	2012	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2012	Oct 2012	2,132K	3.05	Y		
17.2) A576 BOX METAL M2A1 (EA)		2010	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2010	Jun 2010	24,000	8.97	Y		
17.2) A576 BOX METAL M2A1 (EA)		2011	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2011	Jun 2011	14,000	12.25	Y		
17.2) A576 BOX METAL M2A1 (EA)		2012	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2012	Jun 2012	22,000	11.86	Y		
17.2) A576 BOX METAL M2A1 (EA)	Y	2012	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2012	Jun 2012	17,875	11.86	Y		
17.3) A576 BOX METAL M2A1 (EA)	Y	2010	GENESEE TRISTAR INC. / ROGERSVILLE, AL	C / FFP	Rock Island Arsenal, IL	Mar 2010	Jun 2010	20,000	10.43	Y		
17.3) A576 BOX METAL M2A1 (EA)		2011	GENESEE TRISTAR INC. / ROGERSVILLE, AL	C / FFP	Rock Island Arsenal, IL	Mar 2011	Jun 2011	4,000	12.25	Y		
17.3) A576 BOX METAL M2A1 (EA)		2012	GENESEE TRISTAR INC. / ROGERSVILLE, AL	C / FFP	Rock Island Arsenal, IL	Mar 2012	Jun 2012	6,000	11.86	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1000 - Small Arms Ammunition					Item Nomenclature: Small Arms Ammunition			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
17.3) A576 BOX METAL M2A1 (EA)	Y	2012	GENESEE TRISTAR INC. / ROGERSVILLE, AL	C / FFP	Rock Island Arsenal, IL	Mar 2012	Jun 2012	3,850	11.86	Y		
18.1) A598 LOAD, ASSEMBLE AND PACK (LAP)		2010	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Jun 2010	Oct 2010	55,580	1.66	Y		
18.1) A598 LOAD, ASSEMBLE AND PACK (LAP)		2012	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2012	Oct 2012	469,838	1.95	Y		
18.2) A598 BOX METAL M2A1 (EA)		2010	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2010	Jun 2010	557	8.97	Y		
18.2) A598 BOX METAL M2A1 (EA)		2012	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2012	Jun 2012	3,879	11.86	Y		
18.3) A598 BOX METAL M2A1 (EA)		2012	GENESEE TRISTAR INC. / ROGERSVILLE, AL	C / FFP	Rock Island Arsenal, IL	Mar 2012	Jun 2012	1,000	11.86	Y		
19.1) A606 LOAD, ASSEMBLE, AND PACK (LAP)		2010	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Jun 2010	Oct 2010	18,021	10.71	Y		
19.1) A606 LOAD, ASSEMBLE, AND PACK (LAP)		2011	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2011	Oct 2011	14,975	13.02	Y		
19.2) A606 BOX METAL M2A1 (EA)		2010	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Jun 2010	Oct 2010	151	11.45	Y		
19.2) A606 BOX METAL M2A1 (EA)		2011	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2011	Oct 2011	163	12.25	Y		
20.1) AA02 LOAD, ASSEMBLE, AND PACK (LAP)	Y	2011	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2011	Jan 2012	2,247K	0.30	Y		
20.2) AA02 COMMERCIAL PACK	Y	2011	UNKNOWN / UNKNOWN	C / FFP	Rock Island Arsenal, IL	Mar 2011	Oct 2011	1,797K	1.29	Y		
21.1) AA03 LOAD, ASSEMBLE, AND PACK (LAP)	Y	2011	UNKNOWN / UNKNOWN	C / FFP	Rock Island Arsenal, IL	Oct 2010	Jan 2012	759,758	0.20	Y		
21.2) AA03 AP PENETRATOR	Y	2011	UNKNOWN / UNKNOWN	C / FFP	Rock Island Arsenal, IL	Mar 2011	Oct 2011	759,758	2.30	Y		
22.1) AA04 LOAD, ASSEMBLE, AND PACK (LAP)	Y	2011	UNKNOWN / UNKNOWN	C / FFP	Rock Island Arsenal, IL	Mar 2011	Jan 2012	447,897	0.43	Y		
22.2) AA04 AP PENETRATOR	Y	2011	UNKNOWN / UNKNOWN	C / FFP	Rock Island Arsenal, IL	Mar 2011	Oct 2011	357,826	2.30	Y		
23.1) AA11 LOAD, ASSEMBLE AND PACK (LAP)		2010	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2010	Oct 2010	173,149	0.86	Y		
23.1) AA11 LOAD, ASSEMBLE AND PACK (LAP)	Y	2010	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2010	Oct 2010	2,123K	0.86	Y		
23.1) AA11 LOAD, ASSEMBLE AND PACK (LAP)		2011	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2011	Oct 2011	214,584	1.06	Y		
23.1) AA11 LOAD, ASSEMBLE AND PACK (LAP)	Y	2011	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	Rock Island Arsenal, IL	Mar 2011	Oct 2011	675,172	1.06	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1000 - Small Arms Ammunition					Item Nomenclature: Small Arms Ammunition			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
23.2) AA11 BOX METAL M2A1 (EA)		2010	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2010	Jun 2010	355	8.45	Y		
23.2) AA11 BOX METAL M2A1 (EA)	Y	2010	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2010	Jun 2010	4,671	8.35	Y		
23.2) AA11 BOX METAL M2A1 (EA)		2011	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2011	Jun 2011	490	12.25	Y		
23.2) AA11 BOX METAL M2A1 (EA)	Y	2011	BWAY CORPORATION / ATLANTA, GA	C / FFP	Rock Island Arsenal, IL	Mar 2011	Jun 2011	1,469	12.25	Y		
24.1) AA12 COMPLETE ROUND		2010	GENERAL DYNAMICS / MONTREAL, CN	SS / FP	MCSC, QUANTICO, VA	Jan 2010	Jul 2010	2,778K	0.36	Y		
25.1) AA21 COMPLETE ROUND		2010	GENERAL DYNAMICS / MONTREAL, CN	SS / FP	MCSC, QUANTICO, VA	Jan 2010	Jul 2010	2,778K	0.36	Y		
25.1) AA21 COMPLETE ROUND	Y	2010	GENERAL DYNAMICS / MONTREAL, CN	SS / FP	MCSC, QUANTICO, VA	Jan 2010	Jul 2010	1,067K	0.36	Y		
26.1) AA40 COMPLETE ROUND		2012	UNKNOWN / UNKNOWN	C / TBD	NSWC CD, CRANE, IN	Jan 2012	Jul 2012	3,030K	0.33	Y		
27.1) AA67 COMPLETE ROUND		2010	BLACK HILLS AMMUNITION / RAPID CITY, SD	SS / FP	NSWC CD, CRANE, IN	Jan 2010	Apr 2010	321,153	0.52	Y		
27.1) AA67 COMPLETE ROUND		2011	BLACK HILLS AMMUNITION / RAPID CITY, SD	SS / FP	NSWC CD, CRANE, IN	Jan 2011	Apr 2011	178,571	0.56	Y		
28.1) AA91 COMPLETE ROUND		2012	GENERAL DYNAMICS / MONTREAL, CN	SS / FP	MCSC, QUANTICO, VA	Jan 2012	Jul 2012	200,000	0.50	Y		
29.1) APKM COMPLETE ROUND		2011	TAOS INDUSTRIES / HUNTSVILLE, AL	SS / FP	NSA, PEO, PICATINNEY, NJ	Jan 2011	Jul 2011	3,971K	0.68	Y		
29.1) APKM COMPLETE ROUND		2012	TAOS INDUSTRIES / HUNTSVILLE, AL	SS / FP	NSA, PEO, PICATINNEY, NJ	Jan 2012	Jul 2012	4,918K	0.61	Y		
30.1) AX14 COMPLETE ROUND		2011	UNKNOWN / UNKNOWN	C / TBD	NSWC CD, CRANE, IN	Mar 2011	Sep 2011	3,940K	0.05	Y		
31.1) AXX1 COMPLETE ROUND		2012	UNKNOWN / UNKNOWN	C / TBD	NSWC CD, CRANE, IN	Jan 2012	Jul 2012	105,263	4.75	Y		
32.1) AXX2 COMPLETE ROUND		2012	UNKNOWN / UNKNOWN	C / TBD	NSWC CD, CRANE, IN	Jan 2012	Jul 2012	108,344	4.61	Y		
33.1) AXX3 COMPLETE ROUND		2012	UNKNOWN / UNKNOWN	C / TBD	NSWC CD, CRANE, IN	Jan 2012	Jul 2012	50,000	2.00	Y		
Remarks:												

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1000 - Small Arms Ammunition **Item Nomenclature:** Small Arms Ammunition

COST ELEMENTS Units in Millions (* = < 500 units)							Fiscal Year 2010													Fiscal Year 2011													Later				
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2010													Calendar Year 2011																	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP							
3.1) A059 CTG, LOAD, ASSEMBLE AND PACK (LAP)																																					
	1	2010	Navy	194	-	194	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	16	16	16	16	16	16	98.03	
x	1	2010	Navy	10.29	-	10.29	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.293	
	1	2011	Navy	116.6	-	116.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	116.6	
x	1	2011	Navy	10.01	-	10.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	10.01	
	1	2012	Navy	65.39	-	65.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65.39	
x	1	2012	Navy	17.92	-	17.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.92	
12.1) A131 COMPLETE ROUND																																					
	2	2010	Navy	6.306	-	6.306	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	3.006	
x	2	2010	Navy	4.013	-	4.013	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3.013	
	2	2011	Navy	4.354	-	4.354	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.354	
x	2	2011	Navy	3.407	-	3.407	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	3.407	
	2	2012	Navy	5.254	-	5.254	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.254	
x	2	2012	Navy	6.145	-	6.145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.145	
17.1) A576 LOAD, ASSEMBLE, AND PACK (LAP)																																					
	3	2010	Navy	2.395	-	2.395	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.4	.4	.4	.4	.4	.4	.395	-	
x	3	2010	Navy	1.934	-	1.934	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.4	.33	.3	.3	.3	.3	.304	-	
	3	2011	Navy	1.749	-	1.749	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.749	
	3	2012	Navy	2.718	-	2.718	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.718	
x	3	2012	Navy	2.132	-	2.132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.132	
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S							
							C	O	E	A	E	A	P	A	U	U	U	S	C	O	V	E	A	E	A	P	A	U	J	J	A	S					
							T	V	C	N	B	R	R	Y	N	L	G	E	T	V	C	N	B	R	R	Y	N	L	G	E	P						

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1000 - Small Arms Ammunition **Item Nomenclature:** Small Arms Ammunition

COST ELEMENTS Units in Millions (* = < 500 units)							Fiscal Year 2012													Fiscal Year 2013													Later					
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2012													Calendar Year 2013																		
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP								
3.1) A059 CTG, LOAD, ASSEMBLE AND PACK (LAP)																																						
	1	2010	Navy	194	96	98.03	16.03	16	16	16	17	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
x	1	2010	Navy	10.29	10	.293	.293	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	1	2011	Navy	116.6	-	116.6	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	3.264	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	1	2011	Navy	10.01	-	10.01	9.1	.906	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	1	2012	Navy	65.39	-	65.39	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	5.553	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44	-	-		
x	1	2012	Navy	17.92	-	17.92	-	-	-	-	-	-	A -	-	-	-	-	-	-	1.53	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.489	1.49	-	-			
12.1) A131 COMPLETE ROUND																																						
	2	2010	Navy	6.306	3.3	3.006	3.006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	2	2010	Navy	4.013	1	3.013	1.5	1.513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2	2011	Navy	4.354	-	4.354	.36	.36	.36	.36	.37	.36	.36	.37	.36	.36	.374	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	2	2011	Navy	3.407	-	3.407	.35	.3	.3	.06	.3	.3	.3	.3	.3	.3	.297	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2	2012	Navy	5.254	-	5.254	-	-	-	-	-	-	A -	-	-	-	-	-	-	.43	.43	.43	.44	.44	.44	.44	.44	.44	.44	.44	.44	.44	.44	.444	-	-		
x	2	2012	Navy	6.145	-	6.145	-	-	-	-	-	-	A -	-	-	-	-	-	-	.54	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51	.505	-	-		
17.1) A576 LOAD, ASSEMBLE, AND PACK (LAP)																																						
	3	2010	Navy	2.395	2.395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	3	2010	Navy	1.934	1.934	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	3	2011	Navy	1.749	-	1.749	.15	.15	.15	.15	.15	.15	.14	.14	.15	.14	.14	.139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	2012	Navy	2.718	-	2.718	-	-	-	-	-	-	A -	-	-	-	-	-	-	.31	.31	.3	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.198	-	-	
x	3	2012	Navy	2.132	-	2.132	-	-	-	-	-	-	A -	-	-	-	-	-	-	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.17	.17	.172	-	-	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP								

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy		Date: February 2011
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1	P-1 Line Item Nomenclature: 1000 - Small Arms Ammunition	Item Nomenclature: Small Arms Ammunition

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEAD TIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total
1	ALLIANT TECH DBA (LCAAP) - INDEPENDENCE, MO	-	*	*	6	6	7	13	6	6	7	13
2	ALLIANT TECH DBA (LCAAP) - INDEPENDENCE, MO	-	*	*	6	6	7	13	6	6	7	13
3	ALLIANT TECH DBA (LCAAP) - INDEPENDENCE, MO	-	*	*	6	6	12	18	6	6	7	13

Remarks:

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity:
 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 :
 Marine Corps Ammunition

P-1 Line Item Nomenclature:
 1030 - Linear Charges, All Types

ID Code (A=Service Ready, B=Not Service Ready) : A **Related Program Elements:**

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	29.390	20.006	21.434	6.691	28.125	17.078	27.658	25.253	28.723	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	29.390	20.006	21.434	6.691	28.125	17.078	27.658	25.253	28.723	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	29.390	20.006	21.434	6.691	28.125	17.078	27.658	25.253	28.723	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

Base Appropriation Request:

The Rocket Motor, 5-inch MK22 Mod 4 (DODIC J143) is a solid-fuel motor used for towing M58, M59, M68A2, and M69 Linear Demolition Charges (LDCs) into the air over obstacles or minefields for breaching, training, or test applications. The rocket motor is approximately 77 inches long, 5 inches in diameter, weighs 128 pounds, and contains 42 pounds of N-5 double-base propellant.

The Charge, Demolition High Explosive Linear M58A4 (DODIC M913) is a trailer-mounted and rocket-towed linear demolition charge designed to provide a clear path for combat vehicles during minefield and barrier breaching operations. The demolition section consists primarily of a 3/4-inch nylon core rope, 700 composition C4 demolition blocks, and two strands of pentaerythritol tetranitrate (PETN) detonating cord. The total explosive weight of the demolition blocks is 1,750 pounds.

The Charge, Demolition Inert Linear M68A2 (DODIC M914) is a trailer-mounted and rocket-towed inert linear demolition charge designed to simulate the launch and deployment characteristics of the M58A4 linear demolition charge for the purpose of training.

The MK7 MOD 2 mine clearing system, Anti-Personnel Obstacle Breaching System (APOBS) (DODIC MN79) consists of a line charge assembly and a fuze/rocket motor assembly. This item is a lightweight, self-contained, one-shot expendable system that is transported and deployed by a two-man team. APOBS uses the MK126 MOD1 rocket motor to propel a line charge over the obstacle. It is employed in combat operations to breach a lane through wire and anti-personnel mine obstacles.

FY12 Overseas Contingency Operations Request (OCO):

DODIC M913, \$6.691. Lack of funding to replace training expenditures will further erode the USMC's War Reserve Munitions Requirement and training stockpile and negatively affect our ability to execute another contingency operation and/or prepare our Marines for war.

Remarks:

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1030 - Linear Charges, All Types					Item Nomenclature: Linear Charges, All Types									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
1) J143 RCKTMTR, 5IN MK22 MOD 4 F MICLIC		-	-	-	-	-	0.550	-	-	1.080	-	-	1.413	-	-	-	-	-	1.413
† 1.1) J143 LOAD, ASSEMBLE, PACK (LAP)	A	-	-	-	10,672.00	51	0.544	10,877.55	98	1.066	11,385.34	103	1.173	-	-	-	11,385.34	103	1.173
† 1.2) J143 PROPELLANT N-5	A	-	-	-	-	-	-	-	-	-	31.33	7,182	0.225	-	-	-	31.33	7,182	0.225
† 1.3) J143 EC INHIBITING TAPE	A	-	-	-	-	-	-	-	-	-	42.96	279	0.012	-	-	-	42.96	279	0.012
1.4) J143 QUALITY ASSURANCE	A	-	-	-	-	-	0.006	-	-	0.004	-	-	0.003	-	-	-	-	-	0.003
1.5) J143 ESIP	A	-	-	-	-	-	-	-	-	0.010	-	-	0.000	-	-	-	-	-	0.000
2) M913 CHG DEMO LINEAR M58 SERIES A4		-	-	-	-	-	7.881	-	-	7.050	-	-	5.021	-	-	6.691	-	-	11.712
† 2.1) M913 LOAD, ASSEMBLE, PACK (LAP)	A	-	-	-	17,674.07	135	2.386	17,973.39	119	2.139	19,155.97	84	1.609	19,155.97	113	2.165	19,157.36	197	3.774
† 2.2) M913 COMP C-4 CLASS 3	A	-	-	-	20.99	249,976	5.247	21.35	220,375	4.705	19.95	155,589	3.104	19.95	209,273	4.175	19.95	364,862	7.279
† 2.3) M913 FUZE ELECTRIC M113A4	A	-	-	-	1,259.26	135	0.170	1,256.93	119	0.150	2,542.25	84	0.214	2,542.25	113	0.287	2,543.15	197	0.501
2.4) M913 GOVERNMENT FURNISHED MATERIAL - FUZE ELECTRIC M113A4	A	-	-	-	-	-	-0.170	-	-	-0.150	-	-	0.000	-	-	-	-	-	0.000
2.5) M913 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.205	-	-	0.201	-	-	0.036	-	-	-	-	-	0.036
2.6) M913 QUALITY ASSURANCE	A	-	-	-	-	-	0.005	-	-	0.005	-	-	0.000	-	-	-	-	-	0.000
2.7) M913 ACCEPATANCE TESTING	A	-	-	-	-	-	0.038	-	-	-	-	-	0.000	-	-	-	-	-	0.000
2.8) M913 NON-ARDEC ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	0.005	-	-	0.005
2.9) M913 ESIP	A	-	-	-	-	-	-	-	-	-	-	-	0.058	-	-	0.059	-	-	0.117
3) M914 LINE CHARGE INERT M68A2 F/MICLIC		-	-	-	-	-	0.446	-	-	0.446	-	-	0.000	-	-	-	-	-	0.000

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1							P-1 Line Item Nomenclature: 1030 - Linear Charges, All Types							Item Nomenclature: Linear Charges, All Types					
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
† 3.1) M914 COMPLETE ROUND	A	-	-	-	26,877.42	16	0.430	46,539.00	5	0.233	-	-	0.000	-	-	-	-	-	0.000
3.2) M914 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.012	-	-	0.178	-	-	0.000	-	-	-	-	-	0.000
3.3) M914 QUALITY ASSURANCE	A	-	-	-	-	-	0.004	-	-	0.004	-	-	0.000	-	-	-	-	-	0.000
3.4) M914 ESIP	A	-	-	-	-	-	-	-	-	0.031	-	-	0.000	-	-	-	-	-	0.000
4) MN79 ANTI-PERS OBSTACLE BREACHING SYSTEM		-	-	-	-	-	20.513	-	-	11.430	-	-	15.000	-	-	-	-	-	15.000
† 4.1) MN79 LOAD, ASSEMBLE, PACK (LAP)	A	-	-	-	12,591.00	1,627	20.486	13,084.86	872	11.410	16,040.80	907	14.549	-	-	-	16,040.80	907	14.549
4.2) MN79 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	0.020	-	-	0.443	-	-	-	-	-	0.443
4.3) MN79 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	-	-	-	0.008	-	-	-	-	-	0.008
4.4) MN79 ACCEPTANCE TESTING	A	-	-	-	-	-	0.016	-	-	-	-	-	0.000	-	-	-	-	-	0.000
4.5) MN79 ESIP	A	-	-	-	-	-	0.011	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Gross/Weapon System Cost		-	-	-	-	-	29.390	-	-	20.006	-	-	21.434	-	-	6.691	-	-	28.125
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	-	-	-	29.390	-	-	20.006	-	-	21.434	-	-	6.691	-	-	28.125
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	-	-	-	29.390	-	-	20.006	-	-	21.434	-	-	6.691	-	-	28.125
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks:																			

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1030 - Linear Charges, All Types					Item Nomenclature: Linear Charges, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1.1) J143 LOAD, ASSEMBLE, PACK (LAP)		2010	Naval Surface Warfare Center / Indian Head, MD	SS / FFP	ROCK ISLAND ARSENAL	Mar 2010	Sep 2010	51	10,672.00	N		
1.1) J143 LOAD, ASSEMBLE, PACK (LAP)		2011	Naval Surface Warfare Center / Indian Head, MD	SS / FFP	ROCK ISLAND ARSENAL	Mar 2011	Sep 2012	50	10,870.00	N		
1.1) J143 LOAD, ASSEMBLE, PACK (LAP)	Y	2011	Naval Surface Warfare Center / Indian Head, MD	SS / FFP	ROCK ISLAND ARSENAL	Mar 2011	Sep 2012	48	10,870.00	N		
1.1) J143 LOAD, ASSEMBLE, PACK (LAP)		2012	Naval Surface Warfare Center / Indian Head, MD	SS / FFP	ROCK ISLAND ARSENAL	Mar 2012	Sep 2013	103	11,385.34	N		
1.2) J143 PROPELLANT N-5		2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Dec 2011	Jun 2012	7,182	31.33	Y		
1.3) J143 EC INHIBITING TAPE		2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Dec 2011	Mar 2012	279	42.96	Y		
2.1) M913 LOAD, ASSEMBLE, PACK (LAP)		2010	TO BE SELECTED / UNKNOWN	TBD	ROCK ISLAND ARSENAL	Aug 2011	Oct 2012	31	17,670.30	Y		
2.1) M913 LOAD, ASSEMBLE, PACK (LAP)	Y	2010	TO BE SELECTED / UNKNOWN	TBD	ROCK ISLAND ARSENAL	Aug 2011	Oct 2012	104	17,670.30	Y		
2.1) M913 LOAD, ASSEMBLE, PACK (LAP)		2011	TO BE SELECTED / UNKNOWN	TBD	ROCK ISLAND ARSENAL	Aug 2011	Oct 2012	119	17,973.39	Y		
2.1) M913 LOAD, ASSEMBLE, PACK (LAP)		2012	TO BE SELECTED / UNKNOWN	TBD	ROCK ISLAND ARSENAL	Mar 2012	Mar 2013	84	19,155.97	Y		
2.1) M913 LOAD, ASSEMBLE, PACK (LAP)	Y	2012	TO BE SELECTED / UNKNOWN	TBD	ROCK ISLAND ARSENAL	Mar 2012	Mar 2013	113	19,155.97	Y		
2.2) M913 COMP C-4 CLASS 3		2010	BAE ORDNANCE SYSTEMS / KINDSPORT, TN	SS / FFP	ROCK ISLAND ARSENAL	Apr 2010	Jan 2011	57,408	20.99	N		
2.2) M913 COMP C-4 CLASS 3	Y	2010	BAE ORDNANCE SYSTEMS / KINDSPORT, TN	SS / FFP	ROCK ISLAND ARSENAL	Apr 2010	Jan 2011	192,568	20.99	N		
2.2) M913 COMP C-4 CLASS 3		2011	BAE ORDNANCE SYSTEMS / KINDSPORT, TN	SS / FFP	ROCK ISLAND ARSENAL	Apr 2011	Jan 2012	220,375	21.35	Y		
2.2) M913 COMP C-4 CLASS 3		2012	BAE ORDNANCE SYSTEMS / KINDSPORT, TN	SS / FFP	ROCK ISLAND ARSENAL	Apr 2012	Jan 2013	155,589	19.95	Y		
2.2) M913 COMP C-4 CLASS 3	Y	2012	BAE ORDNANCE SYSTEMS / KINDSPORT, TN	SS / FFP	ROCK ISLAND ARSENAL	Apr 2012	Jan 2013	209,273	19.95	Y		
2.3) M913 FUZE ELECTRIC M113A4		2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Nov 2012	84	2,542.25	N		
2.3) M913 FUZE ELECTRIC M113A4	Y	2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Nov 2012	113	2,542.25	N		
2.3) M913 FUZE ELECTRIC M113A4		2010	GOVERNMENT FURNISHED MATERIAL / STOCK ISSUE	TBD	ROCK ISLAND ARSENAL	Oct 2009	Oct 2009	31	1,256.93	N		
2.3) M913 FUZE ELECTRIC M113A4	Y	2010	GOVERNMENT FURNISHED MATERIAL / STOCK ISSUE	TBD	ROCK ISLAND ARSENAL	Oct 2009	Oct 2009	104	1,256.93	N		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1	P-1 Line Item Nomenclature: 1030 - Linear Charges, All Types	Item Nomenclature: Linear Charges, All Types
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Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
2.3) M913 FUZE ELECTRIC M113A4		2011	GOVERNMENT FURNISHED MATERIAL / STOCK ISSUE	TBD	ROCK ISLAND ARSENAL	Oct 2010	Oct 2010	119	1,256.93	N		
3.1) M914 COMPLETE ROUND		2010	AMERICAN ORDNANCE / MILAN, TN	C / FFP	ROCK ISLAND ARSENAL	Mar 2010	Sep 2011	16	26,877.42	Y		
3.1) M914 COMPLETE ROUND		2011	AMERICAN ORDNANCE / MILAN, TN	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Sep 2012	5	46,539.00	Y		
4.1) MN79 LOAD, ASSEMBLE, PACK (LAP) ⁽¹⁾		2010	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	May 2011	May 2012	1,627	12,591.00	N		
4.1) MN79 LOAD, ASSEMBLE, PACK (LAP) ⁽²⁾		2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	May 2011	Sep 2012	556	13,085.00	Y		
4.1) MN79 LOAD, ASSEMBLE, PACK (LAP) ⁽³⁾	Y	2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	May 2011	Sep 2012	316	13,085.00	N		
4.1) MN79 LOAD, ASSEMBLE, PACK (LAP) ⁽⁴⁾		2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Sep 2013	907	16,040.80	Y		

Remarks:

- ⁽¹⁾FY 2010 and 2011 will be a new contract award. FY2012 procurment will be fixed price option to competitive contract awarded in FY 2011
- ⁽²⁾FY 2010 and 2011 will be a new contract award. FY2012 procurment will be fixed price option to competitive contract awarded in FY 2011
- ⁽³⁾FY 2010 and 2011 will be a new contract award. FY2012 procurment will be fixed price option to competitive contract awarded in FY 2011
- ⁽⁴⁾FY 2010 and 2011 will be a new contract award. FY2012 procurment will be fixed price option to competitive contract awarded in FY 2012

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1030 - Linear Charges, All Types **Item Nomenclature:** Linear Charges, All Types

COST ELEMENTS Units in Thousands							Fiscal Year 2010														Fiscal Year 2011														
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2010														Calendar Year 2011														Later
							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					
1.1) J143 LOAD, ASSEMBLE, PACK (LAP)																																			
	4	2010	Navy	.051	-	.051	-	-	-	-	-	-	A	-	-	-	-	-	.051	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	4	2010	Army	.078	-	.078	-	-	-	-	-	-	A	-	-	-	-	-	.001	.002	.003	.004	.005	.006	.007	.008	.009	.01	.011	.012	-	-			
	4	2010	AF	.078	-	.078	-	-	-	-	-	-	A	-	-	-	-	-	.001	.002	.003	.004	.005	.006	.007	.008	.009	.01	.011	.012	-	-			
	4	2010	Int.	.078	-	.078	-	-	-	-	-	-	A	-	-	-	-	-	.001	.002	.003	.004	.005	.006	.007	.008	.009	.01	.011	.012	-	-			
	4	2011	Navy	.05	-	.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	.05		
	4	2012	Navy	.103	-	.103	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.103		
2.1) M913 LOAD, ASSEMBLE, PACK (LAP)																																			
	5(1)	2010	Navy	.031	-	.031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	.031	
x	5(2)	2010	Navy	.104	-	.104	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	.104	
	5(3)	2011	Navy	.119	-	.119	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	.119	
	5	2012	Navy	.084	-	.084	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.084	
x	5	2012	Navy	.113	-	.113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.113	
3.1) M914 COMPLETE ROUND																																			
	6	2010	Navy	.016	-	.016	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.001	.015		
	6	2011	Navy	.005	-	.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	.005	
4.1) MN79 LOAD, ASSEMBLE, PACK (LAP)																																			
	7	2010	Navy	1.627	-	1.627	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	1.627	
	7	2011	Navy	.556	-	.556	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	.556	
x	7	2011	Navy	.316	-	.316	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	.316	
	7	2012	Navy	.907	-	.907	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.907	
							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					

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1030 - Linear Charges, All Types **Item Nomenclature:** Linear Charges, All Types

COST ELEMENTS Units in Thousands						Fiscal Year 2012													Fiscal Year 2013														
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2012													Calendar Year 2013													Later
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1.1) J143 LOAD, ASSEMBLE, PACK (LAP)																																	
	4	2010	Navy	.051	.051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4	2010	Army	.078	.078	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4	2010	AF	.078	.078	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4	2010	Int.	.078	.078	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4	2011	Navy	.05	-	.05	-	-	-	-	-	-	-	-	-	-	-	.099	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-.049
	4	2012	Navy	.103	-	.103	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.136	-.033	
2.1) M913 LOAD, ASSEMBLE, PACK (LAP)																																	
	5(1)	2010	Navy	.031	-	.031	-	-	-	-	-	-	-	-	-	-	-	.01	.01	.011	-	-	-	-	-	-	-	-	-	-	-	-	-
x	5(2)	2010	Navy	.104	-	.104	-	-	-	-	-	-	-	-	-	-	-	.015	.015	.015	.025	.025	.009	-	-	-	-	-	-	-	-	-	-
	5(3)	2011	Navy	.119	-	.119	-	-	-	-	-	-	-	-	-	-	-	.019	.03	.03	.03	.01	-	-	-	-	-	-	-	-	-	-	-
	5	2012	Navy	.084	-	.084	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	.014	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	
x	5	2012	Navy	.113	-	.113	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	.009	.015	.015	.015	.015	.015	.015	.015	.015	.015	.014	
3.1) M914 COMPLETE ROUND																																	
	6	2010	Navy	.016	.001	.015	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	2011	Navy	.005	-	.005	-	-	-	-	-	-	-	-	-	-	.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1) MN79 LOAD, ASSEMBLE, PACK (LAP)																																	
	7	2010	Navy	1.627	-	1.627	-	-	-	-	-	-	-	.2	.13	.13	.13	.13	.13	.13	.13	.13	.13	.13	.13	.13	.127	-	-	-	-	-	-
	7	2011	Navy	.556	-	.556	-	-	-	-	-	-	-	-	-	-	.01	.01	.01	.01	.01	.01	.01	.01	.01	.07	.07	.15	.07	.07	.066	-	-
x	7	2011	Navy	.316	-	.316	-	-	-	-	-	-	-	-	-	.03	.03	.1	.11	.046	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	2012	Navy	.907	-	.907	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.13	.777	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1	P-1 Line Item Nomenclature: 1030 - Linear Charges, All Types	Item Nomenclature: Linear Charges, All Types
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COST ELEMENTS Units in Thousands						Fiscal Year 2014													Fiscal Year 2015													Later	
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2014													Calendar Year 2015													
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1.1) J143 LOAD, ASSEMBLE, PACK (LAP)																																	
	4	2010	Navy	.051	.051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	4	2010	Army	.078	.078	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	4	2010	AF	.078	.078	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	4	2010	Int.	.078	.078	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	4	2011	Navy	.05	.099	-.049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-.049			
	4	2012	Navy	.103	.136	-.033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-.033			
2.1) M913 LOAD, ASSEMBLE, PACK (LAP)																																	
	5 ⁽¹⁾	2010	Navy	.031	.031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
x	5 ⁽²⁾	2010	Navy	.104	.104	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	5 ⁽³⁾	2011	Navy	.119	.119	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	5	2012	Navy	.084	.074	.01	.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
x	5	2012	Navy	.113	.099	.014	.014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
3.1) M914 COMPLETE ROUND																																	
	6	2010	Navy	.016	.016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	6	2011	Navy	.005	.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
4.1) MN79 LOAD, ASSEMBLE, PACK (LAP)																																	
	7	2010	Navy	1.627	1.627	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	7	2011	Navy	.556	.556	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
x	7	2011	Navy	.316	.316	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	7	2012	Navy	.907	.13	.777	.13	.13	.13	.13	.13	.127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEAD TIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total
1	Naval Surface Warfare Center - Indian Head, MD	.15	.5	1	8	8	24	32	6	6	18	24
2		.025	.056	.168	8	8	24	32	6	6	18	24

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1	P-1 Line Item Nomenclature: 1030 - Linear Charges, All Types	Item Nomenclature: Linear Charges, All Types
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MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEAD TIME (Months)								
		MSR	1-8-5	MAX	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total	
	TO BE SELECTED - UNKNOWN												
3	AMERICAN ORDNANCE - MILAN, TN	.005	.015	.02	8	8	24	32	6	6	18	24	
4	TO BE SELECTED - UNKNOWN	.05	.13	.3	8	8	24	32	6	6	18	24	

Remarks:
⁽¹⁾The FY10 and FY11 Quantities will be awarded together in August 2011 on a new contract
⁽²⁾The FY10 and FY11 Quantities will be awarded together in August 2011 on a new contract
⁽³⁾The FY10 and FY11 Quantities will be awarded together in August 2011 on a new contract

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity:
 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 :
 Marine Corps Ammunition

P-1 Line Item Nomenclature:
 1050 - 40 MM, All Types

ID Code (A=Service Ready, B=Not Service Ready) : A **Related Program Elements:**

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	161.938	74.142	84.864	12.184	97.048	65.316	145.198	157.951	191.890	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	161.938	74.142	84.864	12.184	97.048	65.316	145.198	157.951	191.890	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	161.938	74.142	84.864	12.184	97.048	65.316	145.198	157.951	191.890	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

Base Appropriation Request:

The Cartridge, 40mm, Green Star Parachute, M661(DODIC B504) is designed for illumination and signaling with less weight and bulk and greater accuracy than comparable hand-held signals. Fired from 40mm M203 Grenade Launcher attached to the M16 series rifle.

The Cartridge, 40mm Red Star Parachute M662(DODIC B505) is a fixed round consisting of a projectile assembly and a cartridge case assembly. Fired from the M203 Grenade Launcher and used for illumination and signaling.

The Cartridge, 40mm Red Smoke Ground Marker M713(DODIC B506) is a fixed round of ammunition consisting of a projectile assembly and cartridge case assembly. The projectile assembly contains a pyrotechnic smoke payload. Fired from the M203 Grenade Launcher and provides aerial identification and location of troops on the ground. Upon impact, the cartridge emits red colored smoke for approximately 25 seconds.

The Cartridge, 40mm Green Smoke Ground Marker M715(DODIC B508) is a fixed round of ammunition consisting of a projectile assembly and a cartridge case assembly. The projectile assembly contains a pyrotechnic smoke payload. Fired from the M203 Grenade Launcher and provides aerial identification and location of troops on the ground. Upon impact, the cartridge emits green colored smoke for approximately 25 seconds.

The Cartridge, 40mm Yellow Smoke Ground Marker M716(DODIC B509) is a fixed round of ammunition consisting of a projectile assembly and a cartridge case assembly. The projectile assembly contains a pyrotechnic smoke payload. Fired from the M203 Grenade Launcher and provides aerial identification and location of troops on the ground. Upon impact, the cartridge emits yellow colored smoke for approximately 25 seconds.

The Cartridge, 40mm Target Practice (TP) M781(DODIC B519) is a fixed cartridge consisting of a plastic ogive, metal body, and plastic cartridge case. The ogive houses a highly visible yellow-orange dye. The cartridge case is press-fitted with a .38 caliber blank cartridge containing the propellant. Fired from the M203 Grenade Launcher, used for training and contains no high explosive. Upon impact, the projectile ruptures and releases a yellow-orange dye simulating explosive impact.

The Cartridge, 40mm White Star Parachute M583/M583A1(DODIC B535) is a fixed cartridge consisting of a projectile assembly and a cartridge case assembly. Fired from the M203 Grenade Launcher and used for illumination and signaling.

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy		Date: February 2011
Appropriation / Budget Activity / Budget Sub Activity: 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 : Marine Corps Ammunition		P-1 Line Item Nomenclature: 1050 - 40 MM, All Types
ID Code (A=Service Ready, B=Not Service Ready) : A	Related Program Elements:	
<p>The Cartridge, 40mm High-Explosive Dual-Purpose(HEDP) M430/M430A1 Linked(DODIC B542) is a fixed cartridge consisting of an ogive, projectile body, and cartridge case. Fired from the MK19 Mod3 Grenade Machine Gun. The projectile's shaped charge is designed to penetrate two inches of steel armor and inflict personnel casualties in the target area.</p> <p>The Cartridge, 40mm HEDP M433(DODIC B546) is a fixed round of ammunition consisting of an ogive, projectile body, and cartridge case. Fired from the M203 Grenade Launcher and is a high explosive, dual-purpose round. The projectile's shaped charge is designed to penetrate two inches of steel armor and inflict personnel casualties in the target area.</p> <p>The Cartridge, 40mm Target Practice (TP), Linked M281 MOD 0 (DODIC BA12) is a fixed cartridge consisting of a projectile body, and cartridge case. Fired from the MK19 Mod 3 Grenade Machine Gun and designed for practice or weapon proof testing. Procured as a replacement for the M385(DODIC B576) and M918 (DODIC B584) cartridges.</p> <p>The Cartridge, 40mm Practice Day/Night, Linked M281 MOD 1 (DODIC BA21) is a fixed cartridge consisting of a projectile body, containing a marker that is visible during both day and night operations, and cartridge case. Fired from the MK19 Mod 3 Grenade Machine Gun for practice or weapon proof testing. Procured as a replacement for the BA12 cartridge.</p> <p>The Cartridge, 40mm TP Day/Night M1110(DODIC BA35) is a fixed cartridge consisting of a plastic ogive, metal body, and plastic cartridge case. The ogive houses a highly visible yellow-orange dye and ampules of chemical that cause a visible light signature. Cartridge case is press-fitted with a .38 caliber blank cartridge containing the propellant. Fired from the M203 Grenade Launcher, used for training and contains no high explosive. Upon impact, the projectile ruptures and releases a puff of yellow-orange dye simulating explosive impact and the visible light display.</p> <p>FY12 Overseas Contingency Operations Request (OCO):</p> <p>DODIC B542, \$8.184. Lack of funding to replace combat expenditures will further erode USMC's WRMR stockpile and negatively affect our ability to execute another MCO, if required.</p> <p>DODIC BA35, \$4.000. Lack of funding to replace training expenditures will further erode USMC's War Reserve Munitions Requirement (WRMR) and training stockpile and negatively affect our ability to execute another MCO and/or prepare our Marines for war.</p>		
Remarks:		

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1050 - 40 MM, All Types					Item Nomenclature: 40 MM, All Types									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
1) B504, CTG, 40MM GREEN STAR PARACHUTE		-	-	-	-	-	0.940	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 1.1) B504 LOAD, ASSEMBLE, AND PACK	A	-	-	-	48.98	18,558	0.909	-	-	-	-	-	0.000	-	-	-	-	-	0.000
1.2) B504 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.029	-	-	-	-	-	0.000	-	-	-	-	-	0.000
1.3) B504 QUALITY ASSURANCE	A	-	-	-	-	-	0.002	-	-	-	-	-	0.000	-	-	-	-	-	0.000
2) B505, CTG, 40MM RED STAR PARACHUTE		-	-	-	-	-	1.721	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 2.1) B505 LOAD, ASSEMBLE, AND PACK	A	-	-	-	53.11	30,899	1.641	-	-	-	-	-	0.000	-	-	-	-	-	0.000
2.2) B505 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.074	-	-	-	-	-	0.000	-	-	-	-	-	0.000
2.3) B505 QUALITY ASSURANCE	A	-	-	-	-	-	0.006	-	-	-	-	-	0.000	-	-	-	-	-	0.000
3) B506, CTG, 40MM RED SMOKE GROUND M713		-	-	-	-	-	1.237	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 3.1) B506 LOAD, ASSEMBLE, AND PACK	A	-	-	-	77.64	15,250	1.184	-	-	-	-	-	0.000	-	-	-	-	-	0.000
3.2) B506 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.026	-	-	-	-	-	0.000	-	-	-	-	-	0.000
3.3) B506 QUALITY ASSURANCE	A	-	-	-	-	-	0.001	-	-	-	-	-	0.000	-	-	-	-	-	0.000
3.4) ECBC NON ARDEC ENGINEERING	A	-	-	-	-	-	0.026	-	-	-	-	-	0.000	-	-	-	-	-	0.000
4) B508, CTG, 40MM GREEN SMOKE GROUND M715		-	-	-	-	-	-	-	-	3.000	-	-	0.300	-	-	-	-	-	0.300
† 4.1) B508 LOAD, ASSEMBLE, AND PACK	A	-	-	-	-	-	-	139.39	19,040	2.654	78.95	1,102	0.087	-	-	-	78.95	1,102	0.087
† 4.2) B508 CASE CTG 40MM M118 LLD	A	-	-	-	-	-	-	7.05	19,574	0.138	-	-	0.000	-	-	-	-	-	0.000
4.3) B508 NITROCELLULOSE WW GD D (LB)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 4.4) B508 DELAY ASSEMBLY	A	-	-	-	-	-	-	5.53	20,072	0.111	-	-	0.000	-	-	-	-	-	0.000

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1050 - 40 MM, All Types					Item Nomenclature: 40 MM, All Types									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
† 4.5) B508 METAL BOX M2A1 C1	A	-	-	-	-	-	-	12.30	203	0.002	-	-	0.000	-	-	-	-	-	0.000
† 4.6) B508 METAL BOX M2A1 C2	A	-	-	-	-	-	-	12.30	244	0.003	-	-	0.000	-	-	-	-	-	0.000
4.7) B508 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	0.084	-	-	0.125	-	-	-	-	-	0.125
4.8) B508 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	0.008	-	-	0.004	-	-	-	-	-	0.004
4.9) B508 ECBC NON ARDEC ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	0.084	-	-	-	-	-	0.084
5) B509, CTG, 40MM YELLOW SMOKE GROUND M716		-	-	-	-	-	-	-	-	3.000	-	-	0.300	-	-	-	-	-	0.300
† 5.1) B509 LOAD, ASSEMBLE, AND PACK	A	-	-	-	-	-	-	139.39	19,040	2.654	78.95	1,102	0.087	-	-	-	78.95	1,102	0.087
† 5.2) B509 CASE CTG 40MM M118 LLD	A	-	-	-	-	-	-	7.05	19,574	0.138	-	-	0.000	-	-	-	-	-	0.000
5.3) B509 NITROCELLULOSE WW GD D (LB)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 5.4) B509 DELAY ASSEMBLY	A	-	-	-	-	-	-	5.53	20,072	0.111	-	-	0.000	-	-	-	-	-	0.000
† 5.5) B509 BOX METAL M2A1 C1	A	-	-	-	-	-	-	12.25	245	0.003	-	-	0.000	-	-	-	-	-	0.000
† 5.6) B509 BOX METAL M2A1 C2	A	-	-	-	-	-	-	12.25	204	0.002	-	-	0.000	-	-	-	-	-	0.000
5.7) B509 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	0.084	-	-	0.125	-	-	-	-	-	0.125
5.8) B509 QUALITY ENGINEERING	A	-	-	-	-	-	-	-	-	0.008	-	-	0.004	-	-	-	-	-	0.004
5.9) B509 ECBC NON ARDEC ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	0.084	-	-	-	-	-	0.084
6) B519, CTG, 40MM PRACTICE SNGL M781		-	-	-	-	-	17.679	-	-	5.023	-	-	0.000	-	-	-	-	-	0.000
† 6.1) B519 LOAD, ASSEMBLE, AND PACK C1	A	-	-	-	3.63	2,870K	10.415	4.85	578,557	2.806	-	-	0.000	-	-	-	-	-	0.000

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1							P-1 Line Item Nomenclature: 1050 - 40 MM, All Types								Item Nomenclature: 40 MM, All Types				

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
† 6.2) B519 LOAD, ASSEMBLE, AND PACK C2	A	-	-	-	3.63	1,915K	6.948	4.85	385,567	1.870	-	-	0.000	-	-	-	-	-	0.000
6.3) B519 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.312	-	-	0.343	-	-	0.000	-	-	-	-	-	0.000
6.4) B519 QUALITY ENGINEERING	A	-	-	-	-	-	0.004	-	-	0.004	-	-	0.000	-	-	-	-	-	0.000
7) B535, CTG, 40MM WHITE STAR PARACHUTE M583A1		-	-	-	-	-	4.932	-	-	3.845	-	-	2.154	-	-	-	-	-	2.154
† 7.1) B535 LOAD, ASSEMBLE, AND PACK C1	A	-	-	-	41.33	66,272	2.739	54.71	36,776	2.012	51.21	18,180	0.931	-	-	-	51.21	18,180	0.931
† 7.2) B535 LOAD, ASSEMBLE, AND PACK C2	A	-	-	-	41.33	44,205	1.827	54.71	24,511	1.341	51.21	12,127	0.621	-	-	-	51.21	12,127	0.621
7.3) B535 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.353	-	-	0.479	-	-	0.599	-	-	-	-	-	0.599
7.4) B535 QUALITY ASSURANCE	A	-	-	-	-	-	0.010	-	-	0.013	-	-	0.003	-	-	-	-	-	0.003
7.5) B535 FIRST ARTICLE TEST	A	-	-	-	-	-	0.003	-	-	-	-	-	0.000	-	-	-	-	-	0.000
8) B542, CTG, 40MM HEDP LNKD		-	-	-	-	-	42.601	-	-	21.556	-	-	34.583	-	-	8.184	-	-	42.767
† 8.1) B542 LOAD, ASSEMBLE, AND PACK C1	A	-	-	-	34.50	729,137	25.155	37.78	324,801	12.271	39.49	514,206	20.306	39.49	124,335	4.910	39.49	638,541	25.216
† 8.2) B542 LOAD, ASSEMBLE, AND PACK C2	A	-	-	-	34.45	486,822	16.771	37.78	216,543	8.181	39.49	342,821	13.538	39.49	82,907	3.274	39.49	425,728	16.812
8.3) B542 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.501	-	-	1.073	-	-	0.721	-	-	-	-	-	0.721
8.4) B542 QUALITY ASSURANCE	A	-	-	-	-	-	0.013	-	-	0.031	-	-	0.018	-	-	-	-	-	0.018
8.5) B542 FIRST ARTICLE TEST	A	-	-	-	-	-	0.161	-	-	-	-	-	0.000	-	-	-	-	-	0.000
9) B546, CTG, 40MM HEDP SNGL		-	-	-	-	-	31.991	-	-	19.031	-	-	13.745	-	-	-	-	-	13.745

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Exhibit P-5, Cost Analysis : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1050 - 40 MM, All Types **Item Nomenclature:** 40 MM, All Types

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
† 9.1) B546 LOAD, ASSEMBLE, AND PACK C1	A	-	-	-	49.77	373,189	18.573	45.99	237,399	10.918	54.15	144,247	7.811	-	-	-	54.15	144,247	7.811
† 9.2) B546 LOAD, ASSEMBLE, AND PACK C2	A	-	-	-	49.77	248,792	12.382	45.99	158,251	7.278	54.15	96,159	5.207	-	-	-	54.15	96,159	5.207
9.3) B546 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.631	-	-	0.809	-	-	0.703	-	-	-	-	-	0.703
9.4) B546 QUALITY ASSURANCE	A	-	-	-	-	-	0.021	-	-	0.026	-	-	0.024	-	-	-	-	-	0.024
9.5) B546 FIRST ARTICLE TEST	A	-	-	-	-	-	0.384	-	-	-	-	-	0.000	-	-	-	-	-	0.000
10) BA12, CTG, 40MM PRACTICE MK281/0		-	-	-	-	-	60.837	-	-	13.500	-	-	0.000	-	-	-	-	-	0.000
† 10.1) BA12 LOAD, ASSEMBLE, AND PACK	A	-	-	-	27.52	2,199K	60.512	29.86	439,558	13.124	-	-	0.000	-	-	-	-	-	0.000
10.2) BA12 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.210	-	-	0.254	-	-	0.000	-	-	-	-	-	0.000
10.3) BA12 QUALITY ASSURANCE	A	-	-	-	-	-	0.115	-	-	0.122	-	-	0.000	-	-	-	-	-	0.000
11) BA21, CTG, 40,, PRACTICE DAY/NIGHT MK281/1		-	-	-	-	-	-	-	-	-	-	-	15.000	-	-	-	-	-	15.000
† 11.1) BA21 LOAD, ASSEMBLE, AND PACK	A	-	-	-	-	-	-	-	-	-	30.78	474,431	14.603	-	-	-	30.78	474,431	14.603
11.2) BA21 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	0.268	-	-	-	-	-	0.268
11.3) BA21 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	-	-	-	0.129	-	-	-	-	-	0.129
12) BA35, CTG, 40MM PRACTICE DAY/NIGHT M1110		-	-	-	-	-	-	-	-	5.187	-	-	18.782	-	-	4.000	-	-	22.782
† 12.1) BA35 LOAD, ASSEMBLE, AND PACK	A	-	-	-	-	-	-	9.75	479,385	4.674	10.04	1,810K	18.170	10.04	398,406	4.000	10.04	2,208K	22.170
12.2) BA35 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	0.368	-	-	0.457	-	-	-	-	-	0.457

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Exhibit P-5, Cost Analysis : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1050 - 40 MM, All Types **Item Nomenclature:** 40 MM, All Types

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
12.3) BA35 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	0.145	-	-	0.155	-	-	-	-	-	0.155
Gross/Weapon System Cost		-	-	-	-	-	161.938	-	-	74.142	-	-	84.864	-	-	12.184	-	-	97.048
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	-	-	-	161.938	-	-	74.142	-	-	84.864	-	-	12.184	-	-	97.048
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	-	-	-	161.938	-	-	74.142	-	-	84.864	-	-	12.184	-	-	97.048
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1050 - 40 MM, All Types					Item Nomenclature: 40 MM, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1.1) B504 LOAD, ASSEMBLE, AND PACK		2010	DSE INC / TAMPA, FL	C / TBD	ROCK ISLAND ARSENAL	Mar 2010	Apr 2011	15,945	48.98	Y		
1.1) B504 LOAD, ASSEMBLE, AND PACK	Y	2010	DSE INC / TAMPA, FL	C / TBD	** NO PCO **	Oct 2009	Aug 2010	2,613	48.98	N		
2.1) B505 LOAD, ASSEMBLE, AND PACK		2010	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Jul 2011	May 2012	29,091	53.11	Y		
2.1) B505 LOAD, ASSEMBLE, AND PACK	Y	2010	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Jul 2011	May 2012	1,808	53.11	Y		
3.1) B506 LOAD, ASSEMBLE, AND PACK		2010	TO BE SELECTED / UNKNOWN	C / TBD	ROCK ISLAND ARSENAL	Jul 2011	May 2012	15,018	77.64	Y		
3.1) B506 LOAD, ASSEMBLE, AND PACK	Y	2010	TO BE SELECTED / UNKNOWN	C / TBD	ROCK ISLAND ARSENAL	Jul 2011	May 2012	232	77.64	Y		
4.1) B508 LOAD, ASSEMBLE, AND PACK		2011	TO BE SELECTED / UNKNOWN	C / TBD	ROCK ISLAND ARSENAL	Mar 2011	Apr 2012	19,040	139.39	Y		
4.1) B508 LOAD, ASSEMBLE, AND PACK		2012	TO BE SELECTED / UNKNOWN	C / TBD	ROCK ISLAND ARSENAL	Mar 2012	Jan 2013	1,102	78.95	Y		
4.2) B508 CASE CTG 40MM M118 LLD		2011	TO BE SELECTED / UNKNOWN	C / TBD	ROCK ISLAND ARSENAL	Mar 2011	Jan 2012	19,574	7.05	Y		
4.4) B508 DELAY ASSEMBLY		2011	TO BE SELECTED / UNKNOWN	C / TBD	ROCK ISLAND ARSENAL	Mar 2011	Jan 2012	20,072	5.53	Y		
4.5) B508 METAL BOX M2A1 C1		2011	BWAY CORPORATION / ATLANTA, GA	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Jun 2011	203	12.30	Y		
4.6) B508 METAL BOX M2A1 C2		2011	BEST FOAM FABRICATORS INC / ROGERSVILLE, AL	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Sep 2011	244	12.30	Y		
5.1) B509 LOAD, ASSEMBLE, AND PACK		2011	TO BE SELECTED / UNKNOWN	C / TBD	ROCK ISLAND ARSENAL	Mar 2011	Apr 2012	19,040	139.39	Y		
5.1) B509 LOAD, ASSEMBLE, AND PACK		2012	TO BE SELECTED / UNKNOWN	C / TBD	ROCK ISLAND ARSENAL	Mar 2012	Jan 2013	1,102	78.95	Y		
5.2) B509 CASE CTG 40MM M118 LLD		2011	TO BE SELECTED / UNKNOWN	C / TBD	ROCK ISLAND ARSENAL	Mar 2011	Jan 2012	19,574	7.05	Y		
5.4) B509 DELAY ASSEMBLY		2011	TO BE SELECTED / UNKNOWN	C / TBD	ROCK ISLAND ARSENAL	Mar 2011	Jan 2012	20,072	5.53	Y		
5.5) B509 BOX METAL M2A1 C1		2011	BWAY CORPORATION / ATLANTA, GA	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Jun 2011	245	12.25	Y		
5.6) B509 BOX METAL M2A1 C2		2011	BEST FOAM FABRICATORS INC / ROGERSVILLE, AL	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Sep 2011	204	12.25	Y		
6.1) B519 LOAD, ASSEMBLE, AND PACK C1		2010	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	ROCK ISLAND ARSENAL	Feb 2010	Jun 2012	400,286	3.50	Y		
6.1) B519 LOAD, ASSEMBLE, AND PACK C1	Y	2010	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	ROCK ISLAND ARSENAL	Feb 2010	Nov 2011	2,470K	3.65	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1050 - 40 MM, All Types					Item Nomenclature: 40 MM, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
6.1) B519 LOAD, ASSEMBLE, AND PACK C1		2011	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Jan 2012	578,557	4.85	Y		
6.2) B519 LOAD, ASSEMBLE, AND PACK C2		2010	DSE INC / TAMPA, FL	C / FFP	ROCK ISLAND ARSENAL	Feb 2010	Mar 2011	266,857	3.50	Y		
6.2) B519 LOAD, ASSEMBLE, AND PACK C2	Y	2010	DSE INC / TAMPA, FL	C / FFP	ROCK ISLAND ARSENAL	Feb 2010	Jun 2011	1,648K	3.65	Y		
6.2) B519 LOAD, ASSEMBLE, AND PACK C2		2011	DSE INC / TAMPA, FL	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Jan 2012	385,567	4.85	Y		
7.1) B535 LOAD, ASSEMBLE, AND PACK C1		2010	AMTEC CORPORATION / JANESVILLE, WI	C / FP	ROCK ISLAND ARSENAL	Mar 2010	Mar 2011	60,223	41.33	Y		
7.1) B535 LOAD, ASSEMBLE, AND PACK C1	Y	2010	AMTEC CORPORATION / JANESVILLE, WI	C / TBD	** NO PCO **	Oct 2009	Aug 2010	6,049	41.33	N		
7.1) B535 LOAD, ASSEMBLE, AND PACK C1		2011	AMTEC CORPORATION / JANESVILLE, WI	C / TBD	ROCK ISLAND ARSENAL	Mar 2011	Jan 2012	36,776	54.71	Y		
7.1) B535 LOAD, ASSEMBLE, AND PACK C1		2012	AMTEC CORPORATION / JANESVILLE, WI	C / TBD	ROCK ISLAND ARSENAL	Mar 2012	Jan 2013	18,180	51.21	Y		
7.2) B535 LOAD, ASSEMBLE, AND PACK C2		2010	DSE INC / TAMPA, FL	C / FFP	ROCK ISLAND ARSENAL	Mar 2010	Jun 2011	40,140	41.33	Y		
7.2) B535 LOAD, ASSEMBLE, AND PACK C2	Y	2010	DSE INC / TAMPA, FL	C / FFP	ROCK ISLAND ARSENAL	Mar 2010	Mar 2011	4,065	41.33	Y		
7.2) B535 LOAD, ASSEMBLE, AND PACK C2		2011	DSE INC / TAMPA, FL	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Jan 2012	24,511	54.71	Y		
7.2) B535 LOAD, ASSEMBLE, AND PACK C2		2012	DSE INC / TAMPA, FL	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Jan 2013	12,127	51.21	Y		
8.1) B542 LOAD, ASSEMBLE, AND PACK C1		2010	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	ROCK ISLAND ARSENAL	Mar 2010	Dec 2011	326,705	34.45	Y		
8.1) B542 LOAD, ASSEMBLE, AND PACK C1	Y	2010	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	ROCK ISLAND ARSENAL	Mar 2010	Mar 2012	402,432	34.54	Y		
8.1) B542 LOAD, ASSEMBLE, AND PACK C1		2011	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Aug 2012	267,972	37.78	Y		
8.1) B542 LOAD, ASSEMBLE, AND PACK C1	Y	2011	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	May 2013	56,829	37.78	Y		
8.1) B542 LOAD, ASSEMBLE, AND PACK C1		2012	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Aug 2013	514,206	39.49	Y		
8.1) B542 LOAD, ASSEMBLE, AND PACK C1	Y	2012	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	May 2014	124,335	39.49	Y		
8.2) B542 LOAD, ASSEMBLE, AND PACK C2		2010	DSE INC / TAMPA, FL	C / FFP	ROCK ISLAND ARSENAL	Mar 2010	Jun 2011	217,794	34.45	Y		
8.2) B542 LOAD, ASSEMBLE, AND PACK C2	Y	2010	DSE INC / TAMPA, FL	C / FFP	ROCK ISLAND ARSENAL	Mar 2010	Jun 2012	269,028	34.45	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1050 - 40 MM, All Types					Item Nomenclature: 40 MM, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
8.2) B542 LOAD, ASSEMBLE, AND PACK C2		2011	DSE INC / TAMPA, FL	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Aug 2012	178,639	37.78	Y		
8.2) B542 LOAD, ASSEMBLE, AND PACK C2	Y	2011	DSE INC / TAMPA, FL	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	May 2013	37,904	37.78	Y		
8.2) B542 LOAD, ASSEMBLE, AND PACK C2		2012	DSE INC / TAMPA, FL	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Aug 2013	342,821	39.49	Y		
8.2) B542 LOAD, ASSEMBLE, AND PACK C2	Y	2012	DSE INC / TAMPA, FL	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	May 2014	82,907	39.49	Y		
9.1) B546 LOAD, ASSEMBLE, AND PACK C1		2010	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	ROCK ISLAND ARSENAL	Feb 2010	Jun 2011	57,121	46.55	Y		
9.1) B546 LOAD, ASSEMBLE, AND PACK C1	Y	2010	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	ROCK ISLAND ARSENAL	Feb 2010	Mar 2011	316,068	50.35	Y		
9.1) B546 LOAD, ASSEMBLE, AND PACK C1		2011	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Aug 2012	165,101	45.99	Y		
9.1) B546 LOAD, ASSEMBLE, AND PACK C1	Y	2011	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Apr 2013	72,298	45.99	Y		
9.1) B546 LOAD, ASSEMBLE, AND PACK C1		2012	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Aug 2013	144,247	54.15	Y		
9.2) B546 LOAD, ASSEMBLE, AND PACK C2		2010	DSE INC / TAMPA, FL	C / FFP	ROCK ISLAND ARSENAL	Feb 2010	Jun 2011	38,067	46.55	Y		
9.2) B546 LOAD, ASSEMBLE, AND PACK C2	Y	2010	DSE INC / TAMPA, FL	C / FFP	ROCK ISLAND ARSENAL	Feb 2010	Mar 2011	210,725	50.35	Y		
9.2) B546 LOAD, ASSEMBLE, AND PACK C2		2011	DSE INC / TAMPA, FL	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Aug 2012	110,067	45.99	Y		
9.2) B546 LOAD, ASSEMBLE, AND PACK C2	Y	2011	DSE INC / TAMPA, FL	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Apr 2013	48,184	45.99	Y		
9.2) B546 LOAD, ASSEMBLE, AND PACK C2		2012	DSE INC / TAMPA, FL	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Aug 2013	96,159	54.15	Y		
10.1) BA12 LOAD, ASSEMBLE, AND PACK		2010	AMERICAN RHEINMETALL MUNITIONS / CAMDEN, AR	C / IDIQ	MCSC, QUANTICO, VA	Apr 2010	Apr 2011	772,529	27.52	Y		Oct 2006
10.1) BA12 LOAD, ASSEMBLE, AND PACK	Y	2010	AMERICAN RHEINMETALL MUNITIONS / CAMDEN, AR	C / IDIQ	MCSC, QUANTICO, VA	Apr 2010	Apr 2011	1,426K	27.52	Y		Oct 2006
10.1) BA12 LOAD, ASSEMBLE, AND PACK		2011	AMERICAN RHEINMETALL MUNITIONS / CAMDEN, AR	C / IDIQ	MCSC, QUANTICO, VA	Apr 2011	Apr 2012	439,558	29.86	Y		Oct 2006
11.1) BA21 LOAD, ASSEMBLE, AND PACK		2012	AMERICAN RHEINMETALL MUNITIONS / CAMDEN, AR	C / IDIQ	MCSC, QUANTICO, VA	Dec 2011	Dec 2012	474,431	30.78	Y		Oct 2006
12.1) BA35 LOAD, ASSEMBLE, AND PACK		2011	AMERICAN RHEINMETALL MUNITIONS / CAMDEN, AR	C / IDIQ	MCSC, QUANTICO, VA	Sep 2011	Sep 2012	255,077	9.75	Y		
12.1) BA35 LOAD, ASSEMBLE, AND PACK	Y	2011	AMERICAN RHEINMETALL MUNITIONS / CAMDEN, AR	C / IDIQ	MCSC, QUANTICO, VA	Sep 2011	Oct 2012	224,308	9.75	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1	P-1 Line Item Nomenclature: 1050 - 40 MM, All Types	Item Nomenclature: 40 MM, All Types
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Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
12.1) BA35 LOAD, ASSEMBLE, AND PACK		2012	AMERICAN RHEINMETALL MUNITIONS / CAMDEN, AR	C / IDIQ	MCSC, QUANTICO, VA	Dec 2011	Dec 2012	1,810K	10.04	Y		
12.1) BA35 LOAD, ASSEMBLE, AND PACK	Y	2012	AMERICAN RHEINMETALL MUNITIONS / CAMDEN, AR	C / IDIQ	MCSC, QUANTICO, VA	Dec 2011	Oct 2013	398,406	10.04	Y		

Remarks:

The Army provided FY10 Prior Year total quantity of B519 of 2,200 cartridges. They did not provide the cost and the break out by year.
 The Army provided FY10 Prior Year total quantity of B535 of 9,420 cartridges. They did not provide the cost and the break out by year.
 The Army provided FY10 Prior Year total quantity of B542 of 2,065,820 cartridges. They did not provide the cost and the break out by year.
 The Army provided FY10 Prior Year total quantity of B546 of 24,940 cartridges. They did not provide the cost and the break out by year.

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy																							Date: February 2011								
Appropriation / Budget Activity / Budget Sub Activity:							P-1 Line Item Nomenclature:															Item Nomenclature:									
1508N / BA 2 / BSA 1							1050 - 40 MM, All Types															40 MM, All Types									
COST ELEMENTS Units in Thousands							Fiscal Year 2010															Fiscal Year 2011									
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2010															Calendar Year 2011					Later				
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP
8.1) B542 LOAD, ASSEMBLE, AND PACK C1																															
	8	2010	Navy	326.7	-	326.7	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	326.7		
x	8	2010	Navy	402.4	-	402.4	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	402.4		
	8	2011	Navy	268	-	268	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	268		
x	8	2011	Navy	56.83	-	56.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	56.83		
	8	2012	Navy	514.2	-	514.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	514.2		
x	8	2012	Navy	124.3	-	124.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	124.3		
8.2) B542 LOAD, ASSEMBLE, AND PACK C2																															
	9	2010	Navy	217.8	-	217.8	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68.54	-	-	-	149.3
x	9	2010	Navy	269	-	269	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	269	
	9	2011	Navy	178.6	-	178.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	178.6	
x	9	2011	Navy	37.9	-	37.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	37.9	
	9	2012	Navy	342.8	-	342.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	342.8	
x	9	2012	Navy	82.91	-	82.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82.91	
9.1) B546 LOAD, ASSEMBLE, AND PACK C1																															
	10	2010	Navy	57.12	-	57.12	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	25.27	-	-	25.27	6.581	
x	10	2010	Navy	316.1	-	316.1	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	88.27	-	-	68.69	-	-	79.09	80.02
	10	2011	Navy	165.1	-	165.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	165.1	
x	10	2011	Navy	72.3	-	72.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	72.3	
	10	2012	Navy	144.2	-	144.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	144.2	
9.2) B546 LOAD, ASSEMBLE, AND PACK C2																															
	11	2010	Navy	38.07	-	38.07	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	38.07	-	-	-	-	
x	11	2010	Navy	210.7	-	210.7	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	109.9	-	-	100.8	-	-	-	-
	11	2011	Navy	110.1	-	110.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	110.1	
x	11	2011	Navy	48.18	-	48.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	48.18	
	11	2012	Navy	96.16	-	96.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96.16	
11.1) BA21 LOAD, ASSEMBLE, AND PACK																															
	12	2012	Navy	474.4	-	474.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	474.4	
12.1) BA35 LOAD, ASSEMBLE, AND PACK																															
	13	2011	Navy	255.1	-	255.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	255.1	
x	13	2011	Navy	224.3	-	224.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	224.3	

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy																							Date: February 2011											
Appropriation / Budget Activity / Budget Sub Activity:							P-1 Line Item Nomenclature:										Item Nomenclature:																	
1508N / BA 2 / BSA 1							1050 - 40 MM, All Types										40 MM, All Types																	
COST ELEMENTS Units in Thousands							Fiscal Year 2012										Fiscal Year 2013																	
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2012												Calendar Year 2013						Later									
							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			
8.1) B542 LOAD, ASSEMBLE, AND PACK C1																																		
	8	2010	Navy	326.7	-	326.7	-	-	95.62	-	-	23.9	-	71.71	-	-	71.9	-	-	63.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-
x	8	2010	Navy	402.4	-	402.4	-	-	-	-	-	33.54	33.54	33.54	33.54	33.54	33.54	33.54	33.54	33.54	33.54	33.54	33.49	-	-	-	-	-	-	-	-	-	-	-
	8	2011	Navy	268	-	268	-	-	-	-	-	-	-	-	-	27.06	27.06	27.06	27.06	27.06	27.06	27.06	27.06	27.06	27.06	24.43	-	-	-	-	-	-	-	
x	8	2011	Navy	56.83	-	56.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.67	27.06	27.1	-	-	-	-	-	-
	8	2012	Navy	514.2	-	514.2	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.21	53.21	407.8	-
x	8	2012	Navy	124.3	-	124.3	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	124.3
8.2) B542 LOAD, ASSEMBLE, AND PACK C2																																		
	9	2010	Navy	217.8	68.54	149.3	-	149.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
x	9	2010	Navy	269	-	269	-	-	-	-	-	-	-	22.42	22.42	22.42	22.42	22.42	22.42	22.42	22.42	22.42	22.42	22.42	22.42	22.41	-	-	-	-	-	-	-	
	9	2011	Navy	178.6	-	178.6	-	-	-	-	-	-	-	-	-	18.05	18.04	18.04	18.04	18.04	18.04	18.04	18.04	18.04	18.04	16.27	-	-	-	-	-	-	-	-
x	9	2011	Navy	37.9	-	37.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	18.04	18.06	-	-	-	-	-	-
	9	2012	Navy	342.8	-	342.8	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.47	35.47	271.9	-
x	9	2012	Navy	82.91	-	82.91	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82.91
9.1) B546 LOAD, ASSEMBLE, AND PACK C1																																		
	10	2010	Navy	57.12	50.54	6.581	-	-	6.581	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
x	10	2010	Navy	316.1	236.1	80.02	-	-	80.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	2011	Navy	165.1	-	165.1	-	-	-	-	-	-	-	-	-	19.78	19.78	19.78	19.78	19.78	19.78	19.78	19.78	19.78	6.861	-	-	-	-	-	-	-	-	
x	10	2011	Navy	72.3	-	72.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.9	19.78	19.78	19.84	-	-	-	-	-	-
	10	2012	Navy	144.2	-	144.2	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.14	12.01	120.1	-
9.2) B546 LOAD, ASSEMBLE, AND PACK C2																																		
	11	2010	Navy	38.07	38.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
x	11	2010	Navy	210.7	210.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11	2011	Navy	110.1	-	110.1	-	-	-	-	-	-	-	-	-	13.19	13.19	13.19	13.19	13.19	13.19	13.19	13.19	13.19	4.547	-	-	-	-	-	-	-	-	
x	11	2011	Navy	48.18	-	48.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.614	13.19	13.19	13.19	-	-	-	-	-	-
	11	2012	Navy	96.16	-	96.16	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.049	8.01	80.1	-
11.1) BA21 LOAD, ASSEMBLE, AND PACK																																		
	12	2012	Navy	474.4	-	474.4	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12.1) BA35 LOAD, ASSEMBLE, AND PACK																																		
	13	2011	Navy	255.1	-	255.1	-	-	-	-	-	-	-	-	-	-	-	159.8	95.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
x	13	2011	Navy	224.3	-	224.3	-	-	-	-	-	-	-	-	-	-	-	-	64.51	159.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1050 - 40 MM, All Types **Item Nomenclature:** 40 MM, All Types

COST ELEMENTS Units in Thousands							Fiscal Year 2012														Fiscal Year 2013														
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2012														Calendar Year 2013														Later
							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					
	13	2012	Navy	1810	-	1810	-	-	A -	-	-	-	-	-	-	-	-	-	-	113.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	125.2				
x	13	2012	Navy	398.4	-	398.4	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	398.4					
							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					

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy																							Date: February 2011								
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1							P-1 Line Item Nomenclature: 1050 - 40 MM, All Types										Item Nomenclature: 40 MM, All Types														
COST ELEMENTS Units in Thousands							Fiscal Year 2014										Fiscal Year 2015														
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2014										Calendar Year 2015										Later				
							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
8.1) B542 LOAD, ASSEMBLE, AND PACK C1																															
	8	2010	Navy	326.7	326.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
x	8	2010	Navy	402.4	402.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	8	2011	Navy	268	268	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	8	2011	Navy	56.83	56.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	8	2012	Navy	514.2	106.4	407.8	53.21	53.21	53.21	53.21	53.21	53.21	53.21	35.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	8	2012	Navy	124.3	-	124.3	-	-	-	-	-	-	-	17.38	53.21	53.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8.2) B542 LOAD, ASSEMBLE, AND PACK C2																															
	9	2010	Navy	217.8	217.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	9	2010	Navy	269	269	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	9	2011	Navy	178.6	178.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	9	2011	Navy	37.9	37.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	9	2012	Navy	342.8	70.94	271.9	35.47	35.47	35.47	35.47	35.47	35.47	35.47	23.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	9	2012	Navy	82.91	-	82.91	-	-	-	-	-	-	-	11.59	35.47	35.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9.1) B546 LOAD, ASSEMBLE, AND PACK C1																															
	10	2010	Navy	57.12	57.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	10	2010	Navy	316.1	316.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10	2011	Navy	165.1	165.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	10	2011	Navy	72.3	72.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10	2012	Navy	144.2	24.15	120.1	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9.2) B546 LOAD, ASSEMBLE, AND PACK C2																															
	11	2010	Navy	38.07	38.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	11	2010	Navy	210.7	210.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11	2011	Navy	110.1	110.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	11	2011	Navy	48.18	48.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11	2012	Navy	96.16	16.06	80.1	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11.1) BA21 LOAD, ASSEMBLE, AND PACK																															
	12	2012	Navy	474.4	395.4	79.03	39.54	39.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12.1) BA35 LOAD, ASSEMBLE, AND PACK																															
	13	2011	Navy	255.1	255.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	13	2011	Navy	224.3	224.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity:
 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 :
 Marine Corps Ammunition

P-1 Line Item Nomenclature:
 1083 - 60 MM, All Types

ID Code (A=Service Ready, B=Not Service Ready) : A **Related Program Elements:**

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	65.592	35.027	0.937	10.988	11.925	-	-	-	-	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	65.592	35.027	0.937	10.988	11.925	-	-	-	-	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	65.592	35.027	0.937	10.988	11.925	-	-	-	-	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

The Cartridge, 60mm High Explosive M888 (DODIC B643) is a high explosive cartridge for use in the 60mm M224 Lightweight Company Mortar System. It is intended for use against personnel and light materiel targets.

The Cartridge, 60mm High Explosive M720A1 (DODIC BA16) with M734A1 Multi-Option Fuze (MOFA) is a high explosive round for use in the M224 Lightweight Company Mortar System. It is intended for use against personnel and light materiel targets.

The Cartridge, 60mm Mortar Anti-Personnel Anti-Materiel (DODIC BA29) with M734A1 Multi-Option Fuze is a high explosive round utilizing a shell body liner consisting of tungsten balls in an epoxy matrix to increase lethality.

FY12 Overseas Contingency Operations Request (OCO):

DODIC B643, \$5.000M. Lack of funding to replace combat expenditures will further erode the USMC's WRMR stockpile and negatively affect our ability to execute another MCO, if required.

DODIC BA16, \$5.988M. Lack of funding to replace combat expenditures will further erode the USMC's WRMR stockpile and negatively affect our ability to execute another MCO, if required.

Remarks:

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Exhibit P-5, Cost Analysis : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1083 - 60 MM, All Types **Item Nomenclature:** 60 MM, All Types

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
1) B643, CTG, 60MM HE		-	-	-	-	-	40.134	-	-	20.902	-	-	0.000	-	-	5.000	-	-	5.000
† 1.1) B643 LOAD, ASSEMBLE, AND PACK (LAP)	A	-	-	-	44.89	183,805	8.251	56.61	86,664	4.906	-	-	0.000	49.73	20,149	1.002	49.73	20,149	1.002
† 1.2) B643 PROJECTILE BODY M720	A	-	-	-	32.72	191,167	6.255	33.28	90,144	3.000	-	-	0.000	36.25	20,966	0.760	36.25	20,966	0.760
† 1.3) B643 M27 FIN ASSEMBLY	A	-	-	-	8.00	191,125	1.529	7.33	90,041	0.660	-	-	0.000	10.46	20,937	0.219	10.46	20,937	0.219
† 1.4) B643 CHARGE, PROPELLING M204	A	-	-	-	7.33	764,666	5.605	11.55	360,433	4.163	-	-	0.000	9.17	83,860	0.769	9.17	83,860	0.769
† 1.5) B643 IGNITION CARTRIDGE M702	A	-	-	-	16.17	191,157	3.091	17.78	90,101	1.602	-	-	0.000	17.62	20,942	0.369	17.62	20,942	0.369
† 1.6) B643 COMP B TYPE I GRADE A (LBS)	A	-	-	-	10.12	312,451	3.162	2.54	147,244	0.374	-	-	0.000	19.93	34,270	0.683	19.93	34,270	0.683
† 1.7) B643 COMP A-5 CLASS I (LBS)	A	-	-	-	4.01	5,486	0.022	4.01	2,744	0.011	-	-	0.000	3.12	641	0.002	3.12	641	0.002
† 1.8) B643 M935 FUZE	A	-	-	-	52.00	191,135	9.939	55.47	89,256	4.951	-	-	0.000	57.68	20,752	1.197	57.68	20,752	1.197
1.9) B643 PRODUCTION ENGINEERING	A	-	-	-	-	-	1.139	-	-	0.980	-	-	0.000	-	-	0.001	-	-	0.001
1.10) B643 QUALITY ASSURANCE	A	-	-	-	-	-	0.010	-	-	0.010	-	-	0.000	-	-	-	-	-	0.000
1.11) B643 ACCEPTANCE TESTING	A	-	-	-	-	-	1.118	-	-	0.630	-	-	0.000	-	-	-	-	-	0.000
1.12) B643 GOVERNMENT FURNISHED MATERIAL	A	-	-	-	-	-	-0.022	-	-	-0.385	-	-	0.000	-	-	-0.002	-	-	-0.002
1.13) B643 PC&H FOR EXPLOSIVES	A	-	-	-	-	-	0.035	-	-	-	-	-	0.000	-	-	-	-	-	0.000
2) BA16, CARTRIDGE, 60MM WITH MOF		-	-	-	-	-	23.021	-	-	7.315	-	-	0.937	-	-	5.988	-	-	6.925
† 2.1) BA16 LOAD, ASSEMBLE, AND PACK (LAP)	A	-	-	-	59.97	60,113	3.605	60.17	15,589	0.938	61.27	881	0.054	61.27	15,440	0.946	61.27	16,321	1.000
† 2.2) BA16 SHELL BODY (HF1) 60MM	A	-	-	-	47.70	62,516	2.982	47.70	16,205	0.773	48.57	906	0.044	48.57	16,059	0.780	48.57	16,965	0.824
† 2.3) BA16 FIN ASSEMBLY M27	A	-	-	-	7.25	62,621	0.454	7.33	16,235	0.119	10.46	956	0.010	10.46	16,061	0.168	10.46	17,017	0.178

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Exhibit P-5, Cost Analysis : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1083 - 60 MM, All Types **Item Nomenclature:** 60 MM, All Types

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
† 2.4) BA16 IGNITION CARTRIDGE M702	A	-	-	-	16.17	62,523	1.011	17.78	16,198	0.288	17.62	908	0.016	17.62	16,061	0.283	17.62	16,969	0.299
† 2.5) BA16 PROPELLANT CHARGE M235	A	-	-	-	6.37	250,078	1.593	11.82	64,805	0.766	8.17	3,672	0.030	8.17	64,259	0.525	8.17	67,931	0.555
† 2.6) BA16 M734A1 FUZE, MULTI-OPTION	A	-	-	-	191.62	62,515	11.979	221.56	16,212	3.592	197.44	912	0.180	197.44	16,050	3.169	197.44	16,962	3.349
2.7) BA16 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.300	-	-	0.834	-	-	0.591	-	-	-	-	-	0.591
2.8) BA16 QUALITY ASSURANCE	A	-	-	-	-	-	0.005	-	-	0.005	-	-	0.005	-	-	-	-	-	0.005
2.9) BA16 ACCEPTANCE TESTING	A	-	-	-	-	-	0.740	-	-	-	-	-	0.007	-	-	0.117	-	-	0.124
2.10) BA16 EPA - COST OF MATERIALS	A	-	-	-	-	-	0.052	-	-	-	-	-	0.000	-	-	-	-	-	0.000
2.11) BA16 IM ENGINEERING	A	-	-	-	-	-	0.300	-	-	-	-	-	0.000	-	-	-	-	-	0.000
3) BA29, CARTRIDGE, 60MM MAPAM		-	-	-	-	-	2.437	-	-	6.810	-	-	0.000	-	-	-	-	-	0.000
† 3.1) BA29 LOAD, ASSEMBLE AND PACK (LAP)	A	-	-	-	110.00	2,000	0.220	112.00	6,098	0.683	-	-	0.000	-	-	-	-	-	0.000
† 3.2) BA29 WARHEAD ASSEMBLY	A	-	-	-	291.19	2,201	0.641	296.16	6,466	1.915	-	-	0.000	-	-	-	-	-	0.000
† 3.3) BA29 FIN ASSEMBLY M27	A	-	-	-	7.36	2,038	0.015	7.33	6,276	0.046	-	-	0.000	-	-	-	-	-	0.000
† 3.4) BA29 IGNITION CARTRIDGE M702	A	-	-	-	17.00	2,059	0.035	6.25	17,923	0.112	-	-	0.000	-	-	-	-	-	0.000
† 3.5) BA29 PROPELLANT CHARGE M236	A	-	-	-	10.40	8,365	0.087	11.82	25,380	0.300	-	-	0.000	-	-	-	-	-	0.000
† 3.6) BA29 METAL PARTS, ENHANCED FRAGMENTATION	A	-	-	-	220.00	2,082	0.458	226.60	6,346	1.438	-	-	0.000	-	-	-	-	-	0.000
† 3.7) BA29 M734A1 FUZE, MULTI-OPTION	A	-	-	-	191.62	2,082	0.399	221.56	6,337	1.404	-	-	0.000	-	-	-	-	-	0.000

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1							P-1 Line Item Nomenclature: 1083 - 60 MM, All Types							Item Nomenclature: 60 MM, All Types					
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
3.8) BA29 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.337	-	-	0.626	-	-	0.000	-	-	-	-	-	0.000
3.9) BA29 QUALITY ASSURANCE	A	-	-	-	-	-	0.025	-	-	0.025	-	-	0.000	-	-	-	-	-	0.000
3.10) BA29 ACCEPTANCE TESTING	A	-	-	-	-	-	0.220	-	-	0.261	-	-	0.000	-	-	-	-	-	0.000
Gross/Weapon System Cost		-	-	-	-	-	65.592	-	-	35.027	-	-	0.937	-	-	10.988	-	-	11.925
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	-	-	-	65.592	-	-	35.027	-	-	0.937	-	-	10.988	-	-	11.925
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	-	-	-	65.592	-	-	35.027	-	-	0.937	-	-	10.988	-	-	11.925
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks:																			

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1083 - 60 MM, All Types					Item Nomenclature: 60 MM, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1.1) B643 LOAD, ASSEMBLE, AND PACK (LAP)		2010	AMERICAN ORDNANCE / MILAN, TN	SS / FFP	ROCK ISLAND ARSENAL, IL	May 2010	May 2012	23,480	44.89	Y		
1.1) B643 LOAD, ASSEMBLE, AND PACK (LAP)	Y	2010	AMERICAN ORDNANCE / MILAN, TN	SS / FFP	ROCK ISLAND ARSENAL, IL	May 2010	May 2012	160,325	44.89	Y		
1.1) B643 LOAD, ASSEMBLE, AND PACK (LAP)		2011	AMERICAN ORDNANCE / MILAN, TN	SS / FFP	ROCK ISLAND ARSENAL, IL	May 2011	Mar 2013	55,821	56.61	Y		
1.1) B643 LOAD, ASSEMBLE, AND PACK (LAP)	Y	2011	AMERICAN ORDNANCE / MILAN, TN	SS / FFP	ROCK ISLAND ARSENAL, IL	May 2011	Mar 2013	30,843	56.61	Y		
1.1) B643 LOAD, ASSEMBLE, AND PACK (LAP)	Y	2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Mar 2014	20,149	49.73	Y		
1.2) B643 PROJECTILE BODY M720		2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Mar 2012	24,419	32.72	Y		
1.2) B643 PROJECTILE BODY M720	Y	2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Mar 2012	166,748	32.72	Y		
1.2) B643 PROJECTILE BODY M720		2011	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL, NJ	Sep 2011	Sep 2012	58,053	33.28	Y		
1.2) B643 PROJECTILE BODY M720	Y	2011	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL, NJ	Sep 2011	Sep 2012	32,091	33.28	Y		
1.2) B643 PROJECTILE BODY M720	Y	2012	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2012	Sep 2013	20,966	36.25	Y		
1.3) B643 M27 FIN ASSEMBLY		2010	Flexible Concepts / Elkhart, IN	C / FFP	ROCK ISLAND ARSENAL, IL	Sep 2010	Nov 2011	24,375	8.00	Y		
1.3) B643 M27 FIN ASSEMBLY	Y	2010	Flexible Concepts / Elkhart, IN	C / FFP	ROCK ISLAND ARSENAL, IL	Sep 2010	Nov 2011	166,750	8.00	Y		
1.3) B643 M27 FIN ASSEMBLY		2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND, ARSENAL IL	Mar 2011	Sep 2012	57,981	7.33	Y		
1.3) B643 M27 FIN ASSEMBLY	Y	2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	32,060	7.33	Y		
1.3) B643 M27 FIN ASSEMBLY	Y	2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Sep 2013	20,937	10.46	Y		
1.4) B643 CHARGE, PROPELLING M204		2010	AMERICAN ORDNANCE / MILAN, TN	C / FFP	ROCK ISLAND ARSENAL, IL	May 2010	Sep 2011	97,681	7.33	Y		
1.4) B643 CHARGE, PROPELLING M204	Y	2010	AMERICAN ORDNANCE / MILAN, TN	C / FFP	ROCK ISLAND ARSENAL, IL	May 2010	Sep 2011	666,985	7.33	Y		
1.4) B643 CHARGE, PROPELLING M204		2011	AMERICAN ORDNANCE / MILAN, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	232,121	11.55	Y		
1.4) B643 CHARGE, PROPELLING M204	Y	2011	AMERICAN ORDNANCE / MILAN, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	128,312	11.55	Y		
1.4) B643 CHARGE, PROPELLING M204	Y	2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Sep 2013	83,860	9.17	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1083 - 60 MM, All Types					Item Nomenclature: 60 MM, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1.5) B643 IGNITION CARTRIDGE M702		2010	POCAL INDUSTRIES / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Nov 2011	24,428	16.17	Y		
1.5) B643 IGNITION CARTRIDGE M702	Y	2010	POCAL INDUSTRIES / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Nov 2011	166,729	16.17	Y		
1.5) B643 IGNITION CARTRIDGE M702		2011	POCAL INDUSTRIES / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	58,043	17.78	Y		
1.5) B643 IGNITION CARTRIDGE M702	Y	2011	POCAL INDUSTRIES / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	32,058	17.78	Y		
1.5) B643 IGNITION CARTRIDGE M702	Y	2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Sep 2013	20,942	17.62	Y		
1.6) B643 COMP B TYPE I GRADE A (LBS)		2010	BAE ORDNANCE SYSTEMS / KINDSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2010	Jul 2011	39,921	10.12	Y		
1.6) B643 COMP B TYPE I GRADE A (LBS)	Y	2010	BAE ORDNANCE SYSTEMS / KINDSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2010	Jul 2011	272,530	10.12	Y		
1.6) B643 COMP B TYPE I GRADE A (LBS)	Y	2012	BAE ORDNANCE SYSTEMS / KINDSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Mar 2013	34,270	19.93	Y		
1.6) B643 COMP B TYPE I GRADE A (LBS)		2011	GOVERNMENT FURNISHED MATERIAL / UNKNOWN	TBD	ROCK ISLAND ARSENAL, IL	Oct 2010	Oct 2010	94,882	2.54	Y		
1.6) B643 COMP B TYPE I GRADE A (LBS)	Y	2011	GOVERNMENT FURNISHED MATERIAL / UNKNOWN	TBD	ROCK ISLAND ARSENAL, IL	Oct 2010	Oct 2010	52,362	2.54	Y		
1.7) B643 COMP A-5 CLASS I (LBS)		2010	GOVERNMENT FURNISHED MATERIAL / UNKNOWN	TBD	ROCK ISLAND ARSENAL, IL	Oct 2009	Oct 2009	748	4.01	Y		
1.7) B643 COMP A-5 CLASS I (LBS)	Y	2010	GOVERNMENT FURNISHED MATERIAL / UNKNOWN	TBD	ROCK ISLAND ARSENAL, IL	Oct 2009	Oct 2009	4,738	4.01	Y		
1.7) B643 COMP A-5 CLASS I (LBS)		2011	GOVERNMENT FURNISHED MATERIAL / UNKNOWN	TBD	ROCK ISLAND ARSENAL, IL	Oct 2010	Oct 2010	1,746	4.01	Y		
1.7) B643 COMP A-5 CLASS I (LBS)	Y	2011	GOVERNMENT FURNISHED MATERIAL / UNKNOWN	TBD	ROCK ISLAND ARSENAL, IL	Oct 2010	Oct 2010	998	4.01	Y		
1.7) B643 COMP A-5 CLASS I (LBS)	Y	2012	GOVERNMENT FURNISHED MATERIAL / UNKNOWN	TBD	ROCK ISLAND ARSENAL, IL	Oct 2011	Oct 2011	641	3.12	Y		
1.8) B643 M935 FUZE		2010	L-3 COMMUNICATIONS CORP / CAMDEN, NJ	C / FFP	ROCK ISLAND ARSENAL, IL	May 2010	May 2012	24,404	52.00	Y		
1.8) B643 M935 FUZE	Y	2010	L-3 COMMUNICATIONS CORP / CAMDEN, NJ	C / FFP	ROCK ISLAND ARSENAL, IL	May 2010	May 2012	166,731	52.00	Y		
1.8) B643 M935 FUZE		2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	May 2011	Mar 2013	57,491	55.47	Y		
1.8) B643 M935 FUZE	Y	2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	May 2011	Mar 2013	31,765	55.47	Y		
1.8) B643 M935 FUZE	Y	2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Mar 2014	20,752	57.68	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1083 - 60 MM, All Types					Item Nomenclature: 60 MM, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
2.1) BA16 LOAD, ASSEMBLE, AND PACK (LAP)		2010	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2011	Mar 2012	31,249	59.97	Y		
2.1) BA16 LOAD, ASSEMBLE, AND PACK (LAP)	Y	2010	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2011	Mar 2012	28,864	59.97	Y		
2.1) BA16 LOAD, ASSEMBLE, AND PACK (LAP)	Y	2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2011	Mar 2013	15,589	60.17	Y		
2.1) BA16 LOAD, ASSEMBLE, AND PACK (LAP)		2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Mar 2014	881	61.27	Y		
2.1) BA16 LOAD, ASSEMBLE, AND PACK (LAP) ⁽¹⁾	Y	2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Mar 2014	15,440	61.27	Y		
2.2) BA16 SHELL BODY (HF1) 60MM		2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Mar 2012	32,495	47.70	Y		
2.2) BA16 SHELL BODY (HF1) 60MM	Y	2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Mar 2012	30,021	47.70	Y		
2.2) BA16 SHELL BODY (HF1) 60MM	Y	2011	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL, NJ	Sep 2011	Sep 2012	16,205	47.70	Y		
2.2) BA16 SHELL BODY (HF1) 60MM		2012	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2012	Sep 2013	906	48.57	Y		
2.2) BA16 SHELL BODY (HF1) 60MM	Y	2012	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2012	Sep 2013	16,059	48.57	Y		
2.3) BA16 FIN ASSEMBLY M27		2010	CEREBRUS / MORRIS PLAINS, NJ	C / FFP	ROCK ISLAND ARSENAL, IL	Sep 2010	Jun 2011	32,552	7.25	Y		
2.3) BA16 FIN ASSEMBLY M27	Y	2010	CEREBRUS / MORRIS PLAINS, NJ	C / FFP	ROCK ISLAND ARSENAL, IL	Sep 2010	Jun 2011	30,069	7.25	N		
2.3) BA16 FIN ASSEMBLY M27	Y	2011	CEREBRUS / MORRIS PLAINS, NJ	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	16,235	7.33	N		
2.3) BA16 FIN ASSEMBLY M27		2012	CEREBRUS / MORRIS PLAINS, NJ	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Sep 2013	956	10.46	Y		
2.3) BA16 FIN ASSEMBLY M27	Y	2012	CEREBRUS / MORRIS PLAINS, NJ	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Sep 2013	16,061	10.46	Y		
2.4) BA16 IGNITION CARTRIDGE M702		2010	POCAL INDUSTRIES 1 / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL, IL	May 2010	May 2010	32,529	16.17	Y		
2.4) BA16 IGNITION CARTRIDGE M702	Y	2010	POCAL INDUSTRIES 1 / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Nov 2011	29,994	16.17	N		
2.4) BA16 IGNITION CARTRIDGE M702	Y	2011	POCAL INDUSTRIES 1 / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	16,198	17.78	N		
2.4) BA16 IGNITION CARTRIDGE M702		2012	POCAL INDUSTRIES 2 / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Sep 2012	908	17.62	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1083 - 60 MM, All Types					Item Nomenclature: 60 MM, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
2.4) BA16 IGNITION CARTRIDGE M702	Y	2012	POCAL INDUSTRIES 2 / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Sep 2012	16,061	17.62	Y		
2.5) BA16 PROPELLANT CHARGE M235		2010	AMERICAN ORDNANCE / MILAN, TN	C / FP	PICATINNY ARSENAL, NJ	May 2010	Sep 2011	129,984	6.37	Y		
2.5) BA16 PROPELLANT CHARGE M235	Y	2010	AMERICAN ORDNANCE / MILAN, TN	C / FFP	ROCK ISLAND ARSENAL, IL	May 2010	Sep 2011	120,094	6.37	N		
2.5) BA16 PROPELLANT CHARGE M235	Y	2011	AMERICAN ORDNANCE / MILAN, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	64,805	11.82	N		
2.5) BA16 PROPELLANT CHARGE M235		2012	TO BE SELECTED / UNKNOWN	C / FP	ROCK ISLAND ARSENAL, IL	Mar 2012	Sep 2013	3,672	8.17	Y		
2.5) BA16 PROPELLANT CHARGE M235	Y	2012	TO BE SELECTED / UNKNOWN	C / FP	ROCK ISLAND ARSENAL, IL	Mar 2012	Sep 2013	64,259	8.17	Y		
2.6) BA16 M734A1 FUZE, MULTI-OPTION		2010	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINATTI, OH	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Nov 2011	32,497	191.62	Y		
2.6) BA16 M734A1 FUZE, MULTI-OPTION	Y	2010	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINATTI, OH	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Nov 2011	30,018	191.62	Y		
2.6) BA16 M734A1 FUZE, MULTI-OPTION	Y	2011	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINATTI, OH	C / FFP	PICATINNY ARSENAL, NJ	Sep 2011	Nov 2012	16,212	221.56	Y		
2.6) BA16 M734A1 FUZE, MULTI-OPTION		2012	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINATTI, OH	C / FFP	PICATINNY ARSENAL, NJ	Mar 2012	Nov 2013	912	197.44	Y		
2.6) BA16 M734A1 FUZE, MULTI-OPTION	Y	2012	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINATTI, OH	C / FFP	PICATINNY ARSENAL, NJ	Mar 2012	Nov 2013	16,050	197.44	Y		
3.1) BA29 LOAD, ASSEMBLE AND PACK (LAP)		2010	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Mar 2011	Mar 2012	2,000	110.00	Y		
3.1) BA29 LOAD, ASSEMBLE AND PACK (LAP)		2011	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Sep 2011	Mar 2013	2,134	112.00	Y		
3.1) BA29 LOAD, ASSEMBLE AND PACK (LAP)	Y	2011	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Sep 2011	Mar 2013	3,964	112.00	Y		
3.2) BA29 WARHEAD ASSEMBLY		2010	ATK Tactical Systems / ROCKET CENTER, WV	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Nov 2011	2,201	291.19	Y		
3.2) BA29 WARHEAD ASSEMBLY		2011	ATK Tactical Systems / ROCKET CENTER, WV	C / FFP	PICATINNY ARSENAL, NJ	Sep 2011	Nov 2012	2,347	296.16	Y		
3.2) BA29 WARHEAD ASSEMBLY	Y	2011	ATK Tactical Systems / ROCKET CENTER, WV	C / FFP	PICATINNY ARSENAL, NJ	Sep 2011	Nov 2012	4,119	296.16	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1083 - 60 MM, All Types **Item Nomenclature:** 60 MM, All Types

Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
3.3) BA29 FIN ASSEMBLY M27		2010	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Nov 2011	2,038	7.36	Y		
3.3) BA29 FIN ASSEMBLY M27		2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	2,183	7.33	Y		
3.3) BA29 FIN ASSEMBLY M27	Y	2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	4,093	7.33	Y		
3.4) BA29 IGNITION CARTRIDGE M702		2010	POCAL INDUSTRIES / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Nov 2011	2,059	17.00	Y		
3.4) BA29 IGNITION CARTRIDGE M702		2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Sep 2011	Sep 2012	6,243	6.25	Y		
3.4) BA29 IGNITION CARTRIDGE M702	Y	2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Sep 2011	Sep 2012	11,680	6.25	Y		
3.5) BA29 PROPELLANT CHARGE M236		2010	AMERICAN ORDNANCE / MILAN, TN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Nov 2011	8,365	10.40	Y		
3.5) BA29 PROPELLANT CHARGE M236		2011	AMERICAN ORDNANCE / MILAN, TN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Sep 2012	8,883	11.82	Y		
3.5) BA29 PROPELLANT CHARGE M236	Y	2011	AMERICAN ORDNANCE / MILAN, TN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Sep 2012	16,497	11.82	Y		
3.6) BA29 METAL PARTS, ENHANCED FRAGMENTATION		2010	SAAB BOFORS DYNAMICS / KARLSKOOGA, SWEDEN	SS / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Nov 2011	2,082	220.00	Y		
3.6) BA29 METAL PARTS, ENHANCED FRAGMENTATION		2011	SAAB BOFORS DYNAMICS / KARLSKOOGA, SWEDEN	SS / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Sep 2012	2,220	226.62	Y		
3.6) BA29 METAL PARTS, ENHANCED FRAGMENTATION	Y	2011	SAAB BOFORS DYNAMICS / KARLSKOOGA, SWEDEN	SS / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Sep 2012	4,126	226.62	Y		
3.7) BA29 M734A1 FUZE, MULTI-OPTION		2010	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINNATI, OH	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Nov 2011	2,082	191.62	Y		
3.7) BA29 M734A1 FUZE, MULTI-OPTION		2011	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINNATI, OH	C / FFP	PICATINNY ARSENAL, NJ	Sep 2011	Nov 2012	2,216	221.56	Y		
3.7) BA29 M734A1 FUZE, MULTI-OPTION	Y	2011	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINNATI, OH	C / FFP	PICATINNY ARSENAL, NJ	Sep 2011	Nov 2012	4,121	221.56	Y		

Remarks:
 The Army provided FY10 Prior Year total quantity of B643 of 450,000 cartridges. They did not provide the cost and the break out by year.
 The Army provided FY10 Prior Year total quantity of BA29 of 10,000 cartridges. They did not provide the cost and the break out by year.
 (1)The Army provided FY10 Prior Year total quantity of BA16 of 180,000 cartridges. They did not provide the cost and the break out by year.

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1083 - 60 MM, All Types **Item Nomenclature:** 60 MM, All Types

COST ELEMENTS Units in Thousands							Fiscal Year 2010														Fiscal Year 2011														
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2010														Calendar Year 2011														Later
							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					
1.1) B643 LOAD, ASSEMBLE, AND PACK (LAP)																																			
	14	2010	Navy	23.48	-	23.48	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.48					
x	14	2010	Navy	160.3	-	160.3	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160.3					
	14	2011	Navy	55.82	-	55.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	55.82						
x	14	2011	Navy	30.84	-	30.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	30.84						
x	15	2012	Navy	20.15	-	20.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.15						
2.1) BA16 LOAD, ASSEMBLE, AND PACK (LAP)																																			
	16	2010	Navy	31.25	-	31.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	31.25						
x	16	2010	Navy	28.86	-	28.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	28.86						
x	16	2011	Navy	15.59	-	15.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	15.59						
	16	2012	Navy	.881	-	.881	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.881						
x	16	2012	Navy	15.44	-	15.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.44						
3.1) BA29 LOAD, ASSEMBLE AND PACK (LAP)																																			
	17	2010	Navy	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	2						
	17	2011	Navy	2.134	-	2.134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	2.134						
x	17	2011	Navy	3.964	-	3.964	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	3.964							
							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					

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1	P-1 Line Item Nomenclature: 1083 - 60 MM, All Types	Item Nomenclature: 60 MM, All Types
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COST ELEMENTS Units in Thousands							Fiscal Year 2012														Fiscal Year 2013														Later
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	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	J U N	J U L	A U G	S E P					
1.1) B643 LOAD, ASSEMBLE, AND PACK (LAP)																																			
	14	2010	Navy	23.48	-	23.48	-	-	-	-	-	-	-	-	15	8.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	14	2010	Navy	160.3	-	160.3	-	-	-	-	-	-	-	-	15	7	22	22	22	22	22	16	12.33	-	-	-	-	-	-	-	-	-	-		
	14	2011	Navy	55.82	-	55.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10	5	15	15.82	-	-	-			
x	14	2011	Navy	30.84	-	30.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10	10.84	-	-	-	-	-			
x	15	2012	Navy	20.15	-	20.15	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.15			
2.1) BA16 LOAD, ASSEMBLE, AND PACK (LAP)																																			
	16	2010	Navy	31.25	-	31.25	-	-	-	-	-	7.249	-	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
x	16	2010	Navy	28.86	-	28.86	-	-	-	-	-	4.75	12	-	-	12	.114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
x	16	2011	Navy	15.59	-	15.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.59	-	-	-	-	-	-	-				
	16	2012	Navy	.881	-	.881	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.881				
x	16	2012	Navy	15.44	-	15.44	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.44				
3.1) BA29 LOAD, ASSEMBLE AND PACK (LAP)																																			
	17	2010	Navy	2	-	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	17	2011	Navy	2.134	-	2.134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.134	-	-	-	-	-	-	-				
x	17	2011	Navy	3.964	-	3.964	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1.964	-	-	-	-	-	-				
							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					

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1083 - 60 MM, All Types **Item Nomenclature:** 60 MM, All Types

COST ELEMENTS Units in Thousands							Fiscal Year 2014													Fiscal Year 2015													Later		
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	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	J U N	J U L	A U G	S E P					
1.1) B643 LOAD, ASSEMBLE, AND PACK (LAP)																																			
	14	2010	Navy	23.48	23.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	14	2010	Navy	160.3	160.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	14	2011	Navy	55.82	55.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	14	2011	Navy	30.84	30.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	15	2012	Navy	20.15	-	20.15	-	-	-	-	-	-	20.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.1) BA16 LOAD, ASSEMBLE, AND PACK (LAP)																																			
	16	2010	Navy	31.25	31.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	16	2010	Navy	28.86	28.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	16	2011	Navy	15.59	15.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	16	2012	Navy	.881	-	.881	-	-	-	-	-	.881	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	16	2012	Navy	15.44	-	15.44	-	-	-	-	-	12.4	3.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.1) BA29 LOAD, ASSEMBLE AND PACK (LAP)																																			
	17	2010	Navy	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	17	2011	Navy	2.134	2.134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
x	17	2011	Navy	3.964	3.964	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
							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					

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEAD TIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total
1	AMERICAN ORDNANCE - MILAN, TN	.015	.015	.03	6	6	24	30	6	6	24	30
2	TO BE SELECTED - UNKNOWN	.015	.015	.03	6	6	24	30	6	6	24	30
3	TO BE SELECTED - UNKNOWN	.012	.012	.036	6	6	24	30	6	6	24	30
4	PINE BLUFF ARSENAL - PINE BLUFF, AR	.005	.012	.024	6	6	24	30	6	6	24	30

Remarks:

UNCLASSIFIED

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity:
 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 :
 Marine Corps Ammunition

P-1 Line Item Nomenclature:
 1091 - 81 MM, All Types

ID Code (A=Service Ready, B=Not Service Ready) : A **Related Program Elements:**

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	158.347	68.791	26.324	24.515	50.839	25.177	74.795	60.988	63.986	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	158.347	68.791	26.324	24.515	50.839	25.177	74.795	60.988	63.986	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	158.347	68.791	26.324	24.515	50.839	25.177	74.795	60.988	63.986	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

Base Appropriations Request:

The Cartridge, 81mm High Explosive (HE) M821/M821A2 (DODIC C868) with Multi-Option Fuze M734 is a high explosive round developed for use in the M252 Improved 81mm Mortar System. It is intended for use against personnel and light materiel targets.

The cartridge, 81mm HE M889/M889A1 (DODIC C869) with Point Detonating Fuze M935 is a high explosive round developed for use in the M252 Improved 81mm Mortar System. It is intended for use against personnel and light materiel targets.

The Cartridge, 81mm Smoke Red Phosphorus (RP) M819 with Mechanical Time Super-Quick Fuze M772 (DODIC C870) is a smoke screen round developed for use in the 81mm M252 Mortar System.

The Cartridge, 81mm Illuminating M853A1 (DODIC C871) with Mechanical Time Super-Quick Fuze (MTSQ) M772 is an illuminating round developed for use in the 81mm M252 Mortar System. It is intended for illuminating a desired point or area.

FY12 Overseas Contingency Operations Request (OCO):

DODIC C869, \$24.515. Lack of funding to replace combat expenditures will further erode the USMC's WRMR stockpile and negatively affect our ability to execute another MCO, if required.

Remarks:

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1091 - 81 MM, All Types					Item Nomenclature: 81 MM, All Types									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
1) C868, CTG, 81MM HE W/M734A1 MOF FUZE		-	-	-	-	-	49.399	-	-	13.377	-	-	1.577	-	-	-	-	-	1.577
† 1.1) C868 LOAD, ASSEMBLE, AND PACK	A	-	-	-	63.69	115,764	7.373	64.78	27,385	1.774	67.85	3,080	0.209	-	-	-	67.85	3,080	0.209
† 1.2) C868 FIN ASSEMBLY	A	-	-	-	11.71	120,410	1.410	22.00	28,500	0.627	12.12	3,218	0.039	-	-	-	12.12	3,218	0.039
† 1.3) C868 IGNITION CARTRIDGE	A	-	-	-	18.00	120,389	2.167	18.00	28,500	0.513	18.27	3,175	0.058	-	-	-	18.27	3,175	0.058
† 1.4) C868 PROPELLANT CHARGE	A	-	-	-	7.65	481,569	3.684	13.00	113,923	1.481	8.16	12,745	0.104	-	-	-	8.16	12,745	0.104
† 1.5) C868 SHELL BODY, 81MM	A	-	-	-	54.00	120,407	6.502	57.00	28,491	1.624	58.21	3,195	0.186	-	-	-	58.21	3,195	0.186
† 1.6) C868 COMP B TYPE I GRADE A	A	-	-	-	10.12	376,285	3.808	2.54	88,977	0.226	-	-	0.000	-	-	-	-	-	0.000
† 1.7) C868 IMX-104	A	-	-	-	-	-	-	-	-	-	20.64	9,205	0.190	-	-	-	20.64	9,205	0.190
† 1.8) C868 FUZE, MOF, M734A1	A	-	-	-	190.62	120,402	22.951	222.00	28,487	6.324	197.47	3,195	0.631	-	-	-	197.47	3,195	0.631
1.9) C868 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.594	-	-	0.451	-	-	0.072	-	-	-	-	-	0.072
1.10) C868 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	0.020	-	-	0.000	-	-	-	-	-	0.000
1.11) C868 ACCEPTANCE TESTING	A	-	-	-	-	-	0.910	-	-	0.522	-	-	0.088	-	-	-	-	-	0.088
1.12) C868 GOVERNMENT FURNISHED MATERIAL	A	-	-	-	-	-	-	-	-	-0.226	-	-	0.000	-	-	-	-	-	0.000
1.13) C868 IM ENGINEERING	A	-	-	-	-	-	-	-	-	0.041	-	-	0.000	-	-	-	-	-	0.000
2) C869, CTG, 81MM HE W/M935 PD FUZE		-	-	-	-	-	88.699	-	-	54.700	-	-	19.893	-	-	24.515	-	-	44.408
† 2.1) C869 LOAD, ASSEMBLE, AND PACK	A	-	-	-	62.34	334,520	20.854	63.41	187,400	11.883	67.90	46,156	3.134	67.90	74,963	5.090	67.90	121,119	8.224
† 2.2) C869 FIN ASSEMBLY	A	-	-	-	11.71	521,691	6.109	22.38	194,862	4.361	12.13	47,980	0.582	12.13	77,988	0.946	12.13	125,968	1.528
† 2.3) C869 IGNITION CARTRIDGE	A	-	-	-	16.54	369,710	6.115	18.43	194,900	3.592	18.27	48,002	0.877	18.27	77,997	1.425	18.27	125,999	2.302
† 2.4) C869 PROP CHARGE M220	A	-	-	-	7.15	1,402K	10.022	12.75	779,608	9.940	8.16	192,157	1.568	8.16	312,010	2.546	8.16	504,167	4.114

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1091 - 81 MM, All Types					Item Nomenclature: 81 MM, All Types									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
2.5) C869 SHELL BODY, 81MM ⁽¹⁾	A	-	-	-	-	-	14.887	-	-	11.140	-	-	2.794	-	-	4.538	-	-	7.332
† 2.6) C869 COMP B TYPE I CLASS A	A	-	-	-	10.12	1,087K	11.002	2.54	609,448	1.548	-	-	0.000	-	-	-	-	-	0.000
† 2.7) C869 COMP A-5 CLASS 1	A	-	-	-	4.01	314,963	1.263	4.01	26,683	0.107	3.12	1,603	0.005	3.12	2,244	0.007	3.12	3,847	0.012
2.8) C869 IMX-104 ⁽²⁾	A	-	-	-	-	-	-	-	-	-	-	-	3.096	-	-	5.029	-	-	8.125
2.9) C869 M935 FUZE ⁽³⁾	A	-	-	-	-	-	18.010	-	-	10.744	-	-	2.742	-	-	4.453	-	-	7.195
2.10) C869 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.674	-	-	1.824	-	-	2.001	-	-	-	-	-	2.001
2.11) C869 QUALITY ASSURANCE	A	-	-	-	-	-	0.010	-	-	0.006	-	-	0.007	-	-	-	-	-	0.007
2.12) C869 ACCEPTANCE TESTING	A	-	-	-	-	-	1.010	-	-	1.209	-	-	0.442	-	-	0.488	-	-	0.930
2.13) C869 FIRST ARTICLE	A	-	-	-	-	-	-	-	-	-	-	-	0.150	-	-	-	-	-	0.150
2.14) C869 PRODUCTION VERIFICATION TESTS	A	-	-	-	-	-	-	-	-	-	-	-	2.500	-	-	-	-	-	2.500
2.15) C869 GOVERNMENT FURNISHED MATERIAL	A	-	-	-	-	-	-1.263	-	-	-1.654	-	-	-0.005	-	-	-0.007	-	-	-0.012
2.16) PC&H F/LEAD AZIDE	A	-	-	-	-	-	0.005	-	-	-	-	-	0.000	-	-	-	-	-	0.000
2.17) BOOSTER CUPS	A	-	-	-	-	-	0.001	-	-	-	-	-	0.000	-	-	-	-	-	0.000
3) C870, CTG, 81MM SMOKE RP		-	-	-	-	-	12.270	-	-	0.714	-	-	4.854	-	-	-	-	-	4.854
† 3.1) C870 LOAD, ASSEMBLE, AND PACK	A	-	-	-	245.49	17,235	4.231	-	-	-	259.80	5,881	1.528	-	-	-	259.80	5,881	1.528
† 3.2) C870 OVERPACK CONTAINER PA157	A	-	-	-	36.42	5,958	0.217	-	-	-	38.54	208	0.008	-	-	-	38.54	208	0.008
† 3.3) C870 FIBER CONTAINER PA162	A	-	-	-	4.40	17,954	0.079	-	-	-	4.66	6,223	0.029	-	-	-	4.66	6,223	0.029
† 3.4) C870 GAMS	A	-	-	-	17.46	35,853	0.626	-	-	-	18.21	12,246	0.223	-	-	-	18.21	12,246	0.223
† 3.5) C870 81MM SMOKE TAIL CONE	A	-	-	-	24.05	18,088	0.435	-	-	-	15.63	6,142	0.096	-	-	-	15.63	6,142	0.096

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Exhibit P-5, Cost Analysis : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1091 - 81 MM, All Types **Item Nomenclature:** 81 MM, All Types

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
† 3.6) C870 FIN ASSEMBLY M28	A	-	-	-	17.90	17,933	0.321	-	-	-	17.02	6,110	0.104	-	-	-	17.02	6,110	0.104
† 3.7) C870 PROP CHARGE M218	A	-	-	-	7.15	71,609	0.512	-	-	-	8.02	24,439	0.196	-	-	-	8.02	24,439	0.196
† 3.8) C870 IGN CARTRIDGE M752	A	-	-	-	19.25	17,922	0.345	-	-	-	20.04	6,138	0.123	-	-	-	20.04	6,138	0.123
† 3.9) C870 RED PHOSPHORUS FILL	A	-	-	-	10.32	51,647	0.533	-	-	-	10.92	17,674	0.193	-	-	-	10.92	17,674	0.193
† 3.10) C870 FUZE M772	A	-	-	-	175.99	17,921	3.154	-	-	-	229.01	6,118	1.401	-	-	-	229.01	6,118	1.401
† 3.11) C870 81MM SMOKE BODY TUBE	A	-	-	-	37.34	17,917	0.669	-	-	-	39.51	6,125	0.242	-	-	-	39.51	6,125	0.242
3.12) C870 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.721	-	-	0.714	-	-	0.655	-	-	-	-	-	0.655
3.13) C870 QUALITY ASSURANCE	A	-	-	-	-	-	0.017	-	-	-	-	-	0.006	-	-	-	-	-	0.006
3.14) C870 ACCEPTANCE TESTING	A	-	-	-	-	-	0.260	-	-	-	-	-	0.050	-	-	-	-	-	0.050
3.15) C870 EPA - COST OF STEEL	A	-	-	-	-	-	0.050	-	-	-	-	-	0.000	-	-	-	-	-	0.000
3.16) C870 EPA - CURRENCY FLUCTUATIONS	A	-	-	-	-	-	0.100	-	-	-	-	-	0.000	-	-	-	-	-	0.000
4) C871, CTG, 81MM ILLUM		-	-	-	-	-	7.979	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 4.1) C871 LOAD, ASSEMBLE, AND PACK	A	-	-	-	155.84	10,485	1.634	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 4.2) C871 METAL CONTAINER PA157	A	-	-	-	36.42	3,652	0.133	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 4.3) C871 FIBER CONTAINER	A	-	-	-	4.40	10,909	0.048	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 4.4) C871 FIN ASSEMBLY M29	A	-	-	-	16.54	10,884	0.180	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 4.5) C871 PROP CHARGE M219	A	-	-	-	7.15	43,636	0.312	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 4.6) C871 IGN CARTRIDGE	A	-	-	-	19.71	10,908	0.215	-	-	-	-	-	0.000	-	-	-	-	-	0.000

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Exhibit P-5, Cost Analysis : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1091 - 81 MM, All Types **Item Nomenclature:** 81 MM, All Types

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
† 4.7) C871 TAIL CONE ASSEMBLY	A	-	-	-	25.58	11,180	0.286	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 4.8) C871 BODY TUBE ASSEMBLY	A	-	-	-	27.91	10,892	0.304	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 4.9) C871 ILLUM CANDLE VL	A	-	-	-	134.85	10,901	1.470	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 4.10) C871 FUZE MTSQ M772	A	-	-	-	200.99	10,901	2.191	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 4.11) C871 PARACHUTE 81MM	A	-	-	-	33.21	10,901	0.362	-	-	-	-	-	0.000	-	-	-	-	-	0.000
4.12) C871 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.127	-	-	-	-	-	0.000	-	-	-	-	-	0.000
4.13) C871 QUALITY ASSURANCE	A	-	-	-	-	-	0.037	-	-	-	-	-	0.000	-	-	-	-	-	0.000
4.14) C871 ACCEPTANCE TESTING	A	-	-	-	-	-	0.680	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Gross/Weapon System Cost		-	-	-	-	-	158.347	-	-	68.791	-	-	26.324	-	-	24.515	-	-	50.839
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	-	-	-	158.347	-	-	68.791	-	-	26.324	-	-	24.515	-	-	50.839
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	-	-	-	158.347	-	-	68.791	-	-	26.324	-	-	24.515	-	-	50.839
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:
 (1)CE 2.5, C869 Quantities and Unit Cost:
 FY10 Baseline = 157,190, U/C 55.01; FY10 OCO = 113,434, U/C 55.01
 FY11 Baseline = 118,107, U/C 57.16; FY11 OCO = 76,784, U/C 57.16
 FY12 Baseline = 47,999, U/C 58.21; FY12 OCO = 77,959, U/C 58.21
 (2)CE 2.8: C869 Quantities and Unit Cost:
 FY12 Baseline Qty = 150,000, U/C = 20.64; FY12 OCO Qty = 243,653, U/C = 20.64
 (3)CE 2.9, C869 Fuze Quantities and Unit Cost:
 FY10 Baseline Qty = 155,673, U/C 52.00; FY10 OCO Qty = 190,673, U/C = 52.00
 FY11 Baseline Qty = 116,970, U/C 55.45; FY11 OCO Qty = 76,790, U/C = 55.45
 FY12 Baseline Qty = 47,538, U/C = 57.68; FY12 OCO Qty = 77,202, U/C = 57.68

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1091 - 81 MM, All Types					Item Nomenclature: 81 MM, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1.1) C868 LOAD, ASSEMBLE, AND PACK	Y	2010	GDOTS CANADA / CANADA	C / FFP	ROCK ISLAND ARSENAL	Sep 2010	Mar 2012	115,764	63.69	Y		
1.1) C868 LOAD, ASSEMBLE, AND PACK		2011	TO BE SELECTED / Unknown	C / FFPLOE	ROCK ISLAND ARSENAL	Jun 2011	Mar 2013	12,241	64.78	Y		
1.1) C868 LOAD, ASSEMBLE, AND PACK	Y	2011	TO BE SELECTED / Unknown	C / FFP	ROCK ISLAND ARSENAL	Jun 2011	Mar 2013	15,144	64.78	Y		
1.1) C868 LOAD, ASSEMBLE, AND PACK		2012	TO BE SELECTED / Unknown	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Mar 2014	3,080	67.85	Y		
1.2) C868 FIN ASSEMBLY	Y	2010	GAYSTON CORP / SPRINGSBORO, OH	C / FFP	PICATINNY ARSENAL	May 2010	Sep 2011	120,410	11.71	Y		
1.2) C868 FIN ASSEMBLY		2011	GAYSTON CORP / SPRINGSBORO, OH	C / FFP	PICATINNY ARSENAL	Mar 2011	Sep 2012	12,727	22.00	Y		
1.2) C868 FIN ASSEMBLY	Y	2011	GAYSTON CORP / SPRINGSBORO, OH	C / FFP	PICATINNY ARSENAL	Mar 2011	Sep 2012	15,773	22.00	Y		
1.2) C868 FIN ASSEMBLY		2012	TO BE SELECTED / Unknown	C / FFP	PICATINNY ARSENAL	Mar 2012	Sep 2013	3,218	12.12	Y		
1.3) C868 IGNITION CARTRIDGE	Y	2010	POCAL INDUSTRIES / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL	May 2010	Sep 2011	120,389	18.00	Y		
1.3) C868 IGNITION CARTRIDGE		2011	POCAL INDUSTRIES / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Sep 2012	12,722	18.00	Y		
1.3) C868 IGNITION CARTRIDGE	Y	2011	POCAL INDUSTRIES / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Sep 2012	15,778	18.00	Y		
1.3) C868 IGNITION CARTRIDGE		2012	TO BE SELECTED / Unknown	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Sep 2013	3,175	18.27	Y		
1.4) C868 PROPELLANT CHARGE	Y	2010	AMERICAN ORDNANCE / MILAN, TN	C / FFP	ROCK ISLAND ARSENAL	Mar 2010	Sep 2011	481,569	7.65	Y		
1.4) C868 PROPELLANT CHARGE		2011	AMERICAN ORDNANCE / MILAN, TN	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Sep 2012	50,923	13.00	Y		
1.4) C868 PROPELLANT CHARGE	Y	2011	AMERICAN ORDNANCE / MILAN, TN	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Sep 2012	63,000	13.00	Y		
1.4) C868 PROPELLANT CHARGE		2012	TO BE SELECTED / Unknown	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Sep 2013	12,745	8.16	Y		
1.5) C868 SHELL BODY, 81MM	Y	2010	MEDICO INDUSTRIES / WILKES-BARRE, PA	C / FFP	PICATINNY ARSENAL	Sep 2010	Sep 2011	120,407	54.00	Y		
1.5) C868 SHELL BODY, 81MM		2011	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	May 2011	Sep 2012	12,737	57.00	Y		
1.5) C868 SHELL BODY, 81MM	Y	2011	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	May 2011	Sep 2012	15,754	57.00	Y		
1.5) C868 SHELL BODY, 81MM		2012	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Mar 2012	Sep 2013	3,195	58.21	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1091 - 81 MM, All Types					Item Nomenclature: 81 MM, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1.6) C868 COMP B TYPE I GRADE A	Y	2010	BAE ORDNANCE SYSTEMS / KINGSPO, TN	C / FFP	ROCK ISLAND ARSENAL	Jun 2010	Jul 2011	376,285	10.12	Y		
1.6) C868 COMP B TYPE I GRADE A		2011	GOVERNMENT FURNISHED MATERIAL / PICATINNY ARSENAL, NJ	TBD	ROCK ISLAND ARSENAL	Oct 2010	Oct 2010	39,764	2.54	Y		
1.6) C868 COMP B TYPE I GRADE A	Y	2011	GOVERNMENT FURNISHED MATERIAL / PICATINNY ARSENAL, NJ	TBD	ROCK ISLAND ARSENAL	Oct 2010	Oct 2010	49,213	2.54	Y		
1.7) C868 IMX-104		2012	BAE ORDNANCE SYSTEMS / KINGSPO, TN	SS / FFP	ROCK ISLAND ARSENAL	Mar 2012	Nov 2013	9,205	20.64	Y		
1.8) C868 FUZE, MOF, M734A1	Y	2010	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINATTI, OH	C / FFP	PICATINNY ARSENAL	Mar 2011	Nov 2011	120,402	190.62	Y		
1.8) C868 FUZE, MOF, M734A1		2011	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINATTI, OH	C / FFP	PICATINNY ARSENAL	Sep 2011	Nov 2012	12,730	222.00	Y		
1.8) C868 FUZE, MOF, M734A1	Y	2011	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINATTI, OH	C / FFP	PICATINNY ARSENAL	Sep 2011	Nov 2012	15,757	222.00	Y		
1.8) C868 FUZE, MOF, M734A1		2012	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINATTI, OH	C / FFP	PICATINNY ARSENAL	Mar 2012	Nov 2013	3,195	197.47	Y		
2.1) C869 LOAD, ASSEMBLE, AND PACK		2010	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Jun 2011	Aug 2012	151,155	62.34	Y		
2.1) C869 LOAD, ASSEMBLE, AND PACK	Y	2010	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Jun 2011	Aug 2012	183,365	62.34	Y		
2.1) C869 LOAD, ASSEMBLE, AND PACK		2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Jun 2011	Mar 2013	113,563	63.41	Y		
2.1) C869 LOAD, ASSEMBLE, AND PACK	Y	2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Jun 2011	Mar 2013	73,837	63.41	Y		
2.1) C869 LOAD, ASSEMBLE, AND PACK		2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Mar 2014	46,156	67.90	Y		
2.1) C869 LOAD, ASSEMBLE, AND PACK	Y	2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Mar 2014	74,963	67.90	Y		
2.2) C869 FIN ASSEMBLY		2010	GAYSTON CORP / SPRINGSBORO, OH	C / FFP	PICATINNY ARSENAL	May 2010	Sep 2011	157,216	11.71	Y		
2.2) C869 FIN ASSEMBLY	Y	2010	GAYSTON CORP / SPRINGSBORO, OH	C / FFP	PICATINNY ARSENAL	May 2010	Sep 2011	364,475	11.71	Y		
2.2) C869 FIN ASSEMBLY		2011	GAYSTON CORP / SPRINGSBORO, OH	C / FFP	PICATINNY ARSENAL	Mar 2011	Sep 2012	118,097	22.38	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1091 - 81 MM, All Types					Item Nomenclature: 81 MM, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
2.2) C869 FIN ASSEMBLY	Y	2011	GAYSTON CORP / SPRINGSBORO, OH	C / FFP	PICATINNY ARSENAL	Mar 2011	Sep 2012	76,765	22.38	Y		
2.2) C869 FIN ASSEMBLY		2012	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Mar 2012	Sep 2013	47,980	12.13	Y		
2.2) C869 FIN ASSEMBLY	Y	2012	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Mar 2012	Sep 2013	77,988	12.13	Y		
2.3) C869 IGNITION CARTRIDGE		2010	POCAL INDUSTRIES / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL	May 2010	Sep 2011	157,195	16.54	Y		
2.3) C869 IGNITION CARTRIDGE	Y	2010	POCAL INDUSTRIES / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL	Jun 2010	Oct 2011	212,515	16.54	Y		
2.3) C869 IGNITION CARTRIDGE		2011	POCAL INDUSTRIES / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Sep 2012	118,123	18.43	Y		
2.3) C869 IGNITION CARTRIDGE	Y	2011	POCAL INDUSTRIES / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Sep 2012	76,777	18.43	Y		
2.3) C869 IGNITION CARTRIDGE		2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Sep 2013	48,002	18.27	Y		
2.3) C869 IGNITION CARTRIDGE	Y	2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Sep 2013	77,997	18.27	Y		
2.4) C869 PROP CHARGE M220		2010	AMERICAN ORDNANCE / MILAN, TN	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Sep 2012	619,720	7.15	Y		
2.4) C869 PROP CHARGE M220	Y	2010	AMERICAN ORDNANCE / MILAN, TN	C / FFP	ROCK ISLAND ARSENAL	Mar 2010	Sep 2011	781,958	7.15	Y		
2.4) C869 PROP CHARGE M220		2011	AMERICAN ORDNANCE / MILAN, TN	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Sep 2012	472,471	12.75	Y		
2.4) C869 PROP CHARGE M220	Y	2011	AMERICAN ORDNANCE / MILAN, TN	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Sep 2012	307,137	12.75	Y		
2.4) C869 PROP CHARGE M220		2012	TO BE SELECTED / Unknown	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Sep 2013	192,157	8.16	Y		
2.4) C869 PROP CHARGE M220	Y	2012	TO BE SELECTED / Unknown	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Sep 2013	312,010	8.16	Y		
2.6) C869 COMP B TYPE I CLASS A		2010	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL	Jun 2010	Jul 2011	491,206	10.12	Y		
2.6) C869 COMP B TYPE I CLASS A	Y	2010	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL	Jun 2010	Jul 2011	595,949	10.12	Y		
2.6) C869 COMP B TYPE I CLASS A		2011	GOVERNMENT FURNISHED MATERIAL / PICATINNY ARSENAL, NJ	TBD	ROCK ISLAND ARSENAL	Oct 2010	Oct 2010	369,291	2.54	Y		
2.6) C869 COMP B TYPE I CLASS A	Y	2011	GOVERNMENT FURNISHED MATERIAL / PICATINNY ARSENAL, NJ	TBD	ROCK ISLAND ARSENAL	Oct 2010	Oct 2010	240,157	2.54	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1091 - 81 MM, All Types					Item Nomenclature: 81 MM, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
2.7) C869 COMP A-5 CLASS 1		2010	GOVERNMENT FURNISHED MATERIAL / PICATINNY ARSENAL, NJ	C / TBD	ROCK ISLAND ARSENAL	Oct 2009	Oct 2009	3,741	4.01	Y		
2.7) C869 COMP A-5 CLASS 1	Y	2010	GOVERNMENT FURNISHED MATERIAL / PICATINNY ARSENAL, NJ	C / TBD	ROCK ISLAND ARSENAL	Oct 2009	Oct 2009	311,222	4.01	Y		
2.7) C869 COMP A-5 CLASS 1		2011	GOVERNMENT FURNISHED MATERIAL / PICATINNY ARSENAL, NJ	C / TBD	ROCK ISLAND ARSENAL	Oct 2010	Oct 2010	3,491	4.01	Y		
2.7) C869 COMP A-5 CLASS 1	Y	2011	GOVERNMENT FURNISHED MATERIAL / PICATINNY ARSENAL, NJ	C / TBD	ROCK ISLAND ARSENAL	Oct 2010	Oct 2010	23,192	4.01	Y		
2.7) C869 COMP A-5 CLASS 1		2012	GOVERNMENT FURNISHED MATERIAL / PICATINNY ARSENAL, NJ	C / TBD	ROCK ISLAND ARSENAL	Oct 2011	Oct 2011	1,603	3.12	Y		
2.7) C869 COMP A-5 CLASS 1	Y	2012	GOVERNMENT FURNISHED MATERIAL / PICATINNY ARSENAL, NJ	C / TBD	ROCK ISLAND ARSENAL	Oct 2011	Oct 2011	2,244	3.12	Y		
3.1) C870 LOAD, ASSEMBLE, AND PACK		2010	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL	Jan 2010	Aug 2012	13,092	245.50	Y		
3.1) C870 LOAD, ASSEMBLE, AND PACK	Y	2010	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL	Jan 2010	Aug 2012	4,143	245.50	Y		
3.1) C870 LOAD, ASSEMBLE, AND PACK		2012	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL	Jan 2012	Jan 2014	5,881	259.80	Y		
3.2) C870 OVERPACK CONTAINER PA157		2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Mar 2011	Dec 2011	4,530	36.42	Y		
3.2) C870 OVERPACK CONTAINER PA157	Y	2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Mar 2011	Dec 2011	1,428	36.42	Y		
3.2) C870 OVERPACK CONTAINER PA157		2012	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Mar 2012	Sep 2013	208	38.54	Y		
3.3) C870 FIBER CONTAINER PA162		2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Mar 2011	Dec 2011	13,636	4.40	Y		
3.3) C870 FIBER CONTAINER PA162	Y	2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Mar 2011	Dec 2011	4,318	4.40	Y		
3.3) C870 FIBER CONTAINER PA162		2012	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Mar 2012	Sep 2013	6,223	4.66	Y		
3.4) C870 GAMS		2010	DESIGN WEST ARATECH / TUSTIN, CA	C / FFP	PICATINNY ARSENAL	Jul 2010	Aug 2010	27,236	17.22	Y		
3.4) C870 GAMS	Y	2010	DESIGN WEST ARATECH / TUSTIN, CA	C / FFP	PICATINNY ARSENAL	Jul 2010	Aug 2010	8,617	18.22	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1091 - 81 MM, All Types					Item Nomenclature: 81 MM, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
3.4) C870 GAMS		2012	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Mar 2012	Jan 2013	12,246	18.21	Y		
3.5) C870 81MM SMOKE TAIL CONE		2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Mar 2011	Mar 2012	13,597	24.05	Y		
3.5) C870 81MM SMOKE TAIL CONE	Y	2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Mar 2011	Mar 2012	4,491	24.05	Y		
3.5) C870 81MM SMOKE TAIL CONE		2012	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Mar 2012	Sep 2013	6,142	15.63	Y		
3.6) C870 FIN ASSEMBLY M28		2010	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Feb 2012	13,631	17.90	Y		
3.6) C870 FIN ASSEMBLY M28	Y	2010	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Feb 2012	4,302	17.90	Y		
3.6) C870 FIN ASSEMBLY M28		2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Sep 2013	6,110	17.02	Y		
3.7) C870 PROP CHARGE M218		2010	AMERICAN ORDNANCE / MILAN, TN	C / FFP	ROCK ISLAND ARSENAL	Mar 2010	Sep 2011	54,406	7.15	Y		
3.7) C870 PROP CHARGE M218	Y	2010	AMERICAN ORDNANCE / MILAN, TN	C / FFP	ROCK ISLAND ARSENAL	Mar 2010	Sep 2011	17,203	7.15	Y		
3.7) C870 PROP CHARGE M218		2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Sep 2013	24,439	8.02	Y		
3.8) C870 IGN CARTRIDGE M752		2010	POCAL INDUSTRIES / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL	May 2010	Jan 2011	13,610	19.25	Y		
3.8) C870 IGN CARTRIDGE M752	Y	2010	POCAL INDUSTRIES / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL	May 2010	Jan 2011	4,312	19.25	Y		
3.8) C870 IGN CARTRIDGE M752		2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Sep 2013	6,138	20.04	Y		
3.9) C870 RED PHOSPHORUS FILL		2010	CLARIANT CORP / KNAPSACK, GERMANY	C / FFP	PICATINNY ARSENAL	Mar 2011	Sep 2012	39,244	10.32	Y		
3.9) C870 RED PHOSPHORUS FILL	Y	2010	CLARIANT CORP / KNAPSACK, GERMANY	C / FFP	PICATINNY ARSENAL	Mar 2011	Sep 2012	12,403	10.32	Y		
3.9) C870 RED PHOSPHORUS FILL		2012	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Mar 2012	Sep 2013	17,674	10.92	Y		
3.10) C870 FUZE M772		2010	JUNGHANS MICROTECH GMBH / DENNINGEN	MIPR	ROCK ISLAND ARSENAL	Jul 2010	Nov 2011	13,614	176.00	Y		
3.10) C870 FUZE M772	Y	2010	JUNGHANS MICROTECH GMBH / DENNINGEN	MIPR	ROCK ISLAND ARSENAL	Jul 2010	Nov 2011	4,307	176.00	Y		
3.10) C870 FUZE M772		2012	JUNGHANS MICROTECH GMBH / DENNINGEN	MIPR	ROCK ISLAND ARSENAL	Mar 2012	Nov 2013	6,118	229.01	Y		
3.11) C870 81MM SMOKE BODY TUBE		2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	May 2011	Mar 2012	13,605	37.34	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1091 - 81 MM, All Types					Item Nomenclature: 81 MM, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
3.11) C870 81MM SMOKE BODY TUBE	Y	2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	May 2011	Mar 2012	4,312	37.34	Y		
3.11) C870 81MM SMOKE BODY TUBE		2012	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Mar 2012	Sep 2013	6,125	39.51	Y		
4.1) C871 LOAD, ASSEMBLE, AND PACK		2010	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL	Apr 2010	Dec 2012	4,325	155.84	Y		
4.1) C871 LOAD, ASSEMBLE, AND PACK	Y	2010	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL	Apr 2010	Dec 2012	6,160	155.84	Y		
4.2) C871 METAL CONTAINER PA157		2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Mar 2011	Dec 2011	1,510	36.42	Y		
4.2) C871 METAL CONTAINER PA157	Y	2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Mar 2011	Dec 2011	2,142	36.42	Y		
4.3) C871 FIBER CONTAINER		2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Mar 2011	Dec 2011	4,545	4.40	Y		
4.3) C871 FIBER CONTAINER	Y	2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Mar 2011	Dec 2011	6,364	4.40	Y		
4.4) C871 FIN ASSEMBLY M29		2010	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Feb 2012	4,471	16.55	Y		
4.4) C871 FIN ASSEMBLY M29	Y	2010	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Feb 2012	6,413	16.53	Y		
4.5) C871 PROP CHARGE M219		2010	AMERICAN ORDNANCE / MILAN, TN	C / FFP	ROCK ISLAND ARSENAL	Jun 2010	Sep 2011	18,042	7.15	Y		
4.5) C871 PROP CHARGE M219	Y	2010	AMERICAN ORDNANCE / MILAN, TN	C / FFP	ROCK ISLAND ARSENAL	Jun 2010	Sep 2011	25,594	7.15	Y		
4.6) C871 IGN CARTRIDGE		2010	POCAL INDUSTRIES / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL	May 2010	Jan 2011	4,515	19.71	Y		
4.6) C871 IGN CARTRIDGE	Y	2010	POCAL INDUSTRIES / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL	May 2010	Jan 2011	6,393	19.71	Y		
4.7) C871 TAIL CONE ASSEMBLY		2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Apr 2011	Feb 2012	4,769	25.58	Y		
4.7) C871 TAIL CONE ASSEMBLY	Y	2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Apr 2011	Feb 2012	6,411	25.58	Y		
4.8) C871 BODY TUBE ASSEMBLY		2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Apr 2011	Sep 2011	4,479	27.91	Y		
4.8) C871 BODY TUBE ASSEMBLY	Y	2010	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL	Apr 2011	Sep 2011	6,413	27.91	Y		
4.9) C871 ILLUM CANDLE VL		2010	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	PO	ROCK ISLAND ARSENAL	Jan 2010	Feb 2012	4,494	134.85	Y		
4.9) C871 ILLUM CANDLE VL	Y	2010	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	PO	ROCK ISLAND ARSENAL	Jan 2010	Feb 2012	6,407	134.85	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1	P-1 Line Item Nomenclature: 1091 - 81 MM, All Types	Item Nomenclature: 81 MM, All Types
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Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
4.10) C871 FUZE MTSQ M772		2010	JUNGHANS MICROTECH GMBH / DUNNINGEN, GERMANY	MIPR	ROCK ISLAND ARSENAL	Jul 2010	Nov 2011	4,498	201.00	Y		
4.10) C871 FUZE MTSQ M772	Y	2010	JUNGHANS MICROTECH GMBH / DUNNINGEN, GERMANY	MIPR	ROCK ISLAND ARSENAL	Jul 2010	Nov 2011	6,403	201.00	Y		
4.11) C871 PARACHUTE 81MM		2010	NORTH AMERICAN AERODYNAMICS, INC / ROXBORO, NC	C / FFP	ROCK ISLAND ARSENAL	May 2010	Jul 2011	4,487	33.21	Y		
4.11) C871 PARACHUTE 81MM	Y	2010	NORTH AMERICAN AERODYNAMICS, INC / ROXBORO, NC	C / FFP	ROCK ISLAND ARSENAL	May 2010	Jul 2011	6,414	33.21	Y		

Remarks:

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1091 - 81 MM, All Types **Item Nomenclature:** 81 MM, All Types

COST ELEMENTS Units in Thousands							Fiscal Year 2010														Fiscal Year 2011														Later
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	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					
2.1) C869 LOAD, ASSEMBLE, AND PACK																																			
	18	2010	Navy	151.2	-	151.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	151.2	
x	18	2010	Navy	183.4	-	183.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	183.4	
	18	2011	Navy	113.6	-	113.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	113.6		
x	18	2011	Navy	73.84	-	73.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	73.84			
	18	2012	Navy	46.16	-	46.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46.16			
x	18	2012	Navy	74.96	-	74.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74.96				
							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					

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1091 - 81 MM, All Types **Item Nomenclature:** 81 MM, All Types

COST ELEMENTS Units in Thousands							Fiscal Year 2012													Fiscal Year 2013												Later	
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	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	J U N	J U L	A U G	S E P			
2.1) C869 LOAD, ASSEMBLE, AND PACK																																	
	18	2010	Navy	151.2	-	151.2	-	-	-	-	-	-	-	-	-	-	-	20.59	20.68	20.68	20.68	20.68	20.68	20.68	20.68	6.485	-	-	-	-	-	-	
x	18	2010	Navy	183.4	-	183.4	-	-	-	-	-	-	-	-	-	-	-	15.41	15.32	15.32	15.32	15.32	15.32	15.32	15.32	20.52	27	25.15	3.365	-	-	-	
	18	2011	Navy	113.6	-	113.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	22.32	25.69	10.61	19.02	17.92
x	18	2011	Navy	73.84	-	73.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	4.85	10.31	10.31	25.39	16.98	-
	18	2012	Navy	46.16	-	46.16	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46.16	
x	18	2012	Navy	74.96	-	74.96	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74.96	
							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			

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1091 - 81 MM, All Types **Item Nomenclature:** 81 MM, All Types

COST ELEMENTS Units in Thousands							Fiscal Year 2014														Fiscal Year 2015														Later
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2014														Calendar Year 2015														
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
2.1) C869 LOAD, ASSEMBLE, AND PACK																																			
	18	2010	Navy	151.2	151.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	18	2010	Navy	183.4	183.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	18	2011	Navy	113.6	95.64	17.92	17.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	18	2011	Navy	73.84	73.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	18	2012	Navy	46.16	-	46.16	-	-	-	-	-	36	10.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	18	2012	Navy	74.96	-	74.96	-	-	-	-	25.85	36	13.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEAD TIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total
1	TO BE SELECTED - UNKNOWN	.012	.012	.036	6	6	24	30	6	6	24	30

Remarks:

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 : Marine Corps Ammunition	P-1 Line Item Nomenclature: 1121 - 120 MM, All Types
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ID Code (A=Service Ready, B=Not Service Ready) : A **Related Program Elements:**

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	91.753	103.353	9.387	11.227	20.614	8.704	10.016	16.393	16.666	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	91.753	103.353	9.387	11.227	20.614	8.704	10.016	16.393	16.666	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	91.753	103.353	9.387	11.227	20.614	8.704	10.016	16.393	16.666	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

Base Appropriation Request:
 The Cartridge, 120mm Target Practice Cone Stabilized Discarding Sabot with Tracer (TPCSDS-T) M865 (DODIC C785) is a kinetic energy, target practice round for use with the 120mm smooth bore M256 Cannon. It is designed to simulate the service round characteristics at reduced maximum ranges to allow the practice firings on short range proving grounds and training areas.
 The XM1002 Target Practice Multi-Purpose Cartridge with Tracer (TPMP-T) (DODIC CA31), 120mm Cartridge is a Training Cartridge for the tactical M830A1 HEAT-MP-T Cartridge.
 Expeditionary Fire Support System (EFSS) (DODIC EFSS) will be a family of 120MM that will include Illumination, HE, and White Phosphorus munitions. The EFSS will provide all-weather, ground-based, close supporting, accurate, immediately responsive, and lethal indirect fire support for the Marine Air-Ground Task Force (MAGTF). EFSS will be the principal indirect fire support weapon for Marine Expeditionary Units and vertical assault elements of a Ship-To-Objective Maneuver force. EFSS will be capable of successfully engaging a spectrum of potential point and area targets, including motorized, light armored, and dismounted personnel targets, command and control systems, and indirect fire systems.
 The M1101 High Explosive (HE) Cartridge with Electronic Time (ET) Fuze (DODIC CA45) is designed for use with the EFSS 120mm Mortar System. The round is used against personnel and materiel providing both fragmentation and blast effect. It consists of a ET fuze, tail charge assembly, and projectile body with PBX-128 explosive fill. The M1101 uses the M767A1 ET fuze.
 FY12 Overseas Contingency Operations Request (OCO):
 DODIC CA31, \$4.000. Lack of funding to replace training expenditures will further erode the USMC's War Reserve Munition Requirement (WRMR) and training stockpile and negatively affect our ability to execute another MCO and/or prepare our Marines for war.
 DODIC EFSS, \$7.227. Lack of funding to replace combat expenditures will further erode the USMC's WRMR stockpile and negatively affect our ability to execute another MCO, if required.

Remarks:

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1121 - 120 MM, All Types					Item Nomenclature: 120 MM, All Types									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
1) C785, CTG, 120MM TPCSDS-T M865		-	-	-	-	-	35.305	-	-	-	-	-	0.534	-	-	-	-	-	0.534
† 1.1) C785 COMPLETE ROUND M865 ⁽¹⁾	A	-	-	-	898.22	36,990	33.225	-	-	-	-	-	0.000	-	-	-	-	-	0.000
1.2) C785 ACCEPTANCE TESTING	A	-	-	-	-	-	0.153	-	-	-	-	-	0.000	-	-	-	-	-	0.000
1.3) C785 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.174	-	-	-	-	-	0.000	-	-	-	-	-	0.000
1.4) C785 QUALITY ASSURANCE	A	-	-	-	-	-	0.001	-	-	-	-	-	0.000	-	-	-	-	-	0.000
1.5) C785 NONRECURRING	A	-	-	-	-	-	1.752	-	-	-	-	-	0.534	-	-	-	-	-	0.534
2) CA31, CTG, 120MM TPMP-T M1002		-	-	-	-	-	34.570	-	-	20.712	-	-	8.853	-	-	4.000	-	-	12.853
† 2.1) CA31 COMPLETE ROUND ⁽²⁾	A	-	-	-	1,504.93	14,406	21.680	1,627.05	6,151	10.008	3,284.00	1,275	4.187	3,284.00	609	2.000	3,283.97	1,884	6.187
† 2.2) CA31 COMPLETE ROUND (2)	A	-	-	-	1,511.19	7,997	12.085	1,627.05	6,151	10.008	3,284.00	1,275	4.187	3,284.00	609	2.000	3,283.97	1,884	6.187
2.3) CA31 ACCEPTANCE TESTING	A	-	-	-	-	-	0.255	-	-	0.260	-	-	0.088	-	-	-	-	-	0.088
2.4) CA31 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.530	-	-	0.432	-	-	0.389	-	-	-	-	-	0.389
2.5) CA31 QUALITY ASSURANCE	A	-	-	-	-	-	0.003	-	-	0.004	-	-	0.002	-	-	-	-	-	0.002
2.6) CA31 NONRECURRING	A	-	-	-	-	-	0.017	-	-	-	-	-	0.000	-	-	-	-	-	0.000
3) EFSS, EXPEDITIONARY FIRE SUPPORT SYSTEM (EFSS)		-	-	-	-	-	21.878	-	-	82.641	-	-	0.000	-	-	7.227	-	-	7.227
† 3.1) EFSS AMMUNITION UNDER DEVELOPMENT	A	-	-	-	4,685.80	4,669	21.878	4,826.32	17,123	82.641	-	-	0.000	4,970.43	1,454	7.227	4,970.43	1,454	7.227
3.2) EFSS PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000

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Exhibit P-5, Cost Analysis : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1121 - 120 MM, All Types **Item Nomenclature:** 120 MM, All Types

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
Gross/Weapon System Cost		-	-	-	-	-	91.753	-	-	103.353	-	-	9.387	-	-	11.227	-	-	20.614
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	-	-	-	91.753	-	-	103.353	-	-	9.387	-	-	11.227	-	-	20.614
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	-	-	-	91.753	-	-	103.353	-	-	9.387	-	-	11.227	-	-	20.614
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:
⁽¹⁾CE:1.1-C785. Unit costs for FY10 Baseline and FY10 OCO are different. The Army priced the OCO separately than the baseline.
⁽²⁾CE:2.1-CA31: Unit costs for FY10 Baseline and FY10 OCO are different. The Army priced the OCO separately than the baseline.

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1121 - 120 MM, All Types					Item Nomenclature: 120 MM, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1.1) C785 COMPLETE ROUND M865	Y	2010	GENERAL DYNAMICS / ST PETERSBURG, FL	SS / FFP	JMC, ROCK ISLAND, IL	Feb 2010	Mar 2011	33,420	895.92	N		
1.1) C785 COMPLETE ROUND M865		2010	ALLIANT TECH SYS INC / PLYMOUTH, MN	SS / FFP	JMC, ROCK ISLAND, IL	Feb 2010	Feb 2011	3,570	919.53	N		
2.1) CA31 COMPLETE ROUND		2010	GENERAL DYNAMICS / ST. PETERSBURG, FL	SS / FFP	JMC, ROCK ISLAND, IL	Feb 2010	May 2011	3,714	1,475.11	N		
2.1) CA31 COMPLETE ROUND	Y	2010	GENERAL DYNAMICS / ST. PETERSBURG, FL	SS / FFP	JMC, ROCK ISLAND, IL	Feb 2010	May 2011	10,692	1,515.40	N		
2.1) CA31 COMPLETE ROUND		2011	GENERAL DYNAMICS / ST. PETERSBURG, FL	SS / FFP	JMC, ROCK ISLAND, IL	Jan 2011	Dec 2011	1,771	1,626.99	N		
2.1) CA31 COMPLETE ROUND	Y	2011	GENERAL DYNAMICS / ST. PETERSBURG, FL	SS / FFP	JMC, ROCK ISLAND, IL	Jan 2011	Dec 2011	4,380	1,626.99	N		
2.1) CA31 COMPLETE ROUND		2012	GENERAL DYNAMICS / ST. PETERSBURG, FL	TBD	JMC, ROCK ISLAND, IL	Jan 2012	Dec 2012	1,275	3,284.00	N		
2.1) CA31 COMPLETE ROUND	Y	2012	GENERAL DYNAMICS / ST. PETERSBURG, FL	TBD	JMC, ROCK ISLAND, IL	Jan 2012	Dec 2012	609	3,284.00	N		
2.2) CA31 COMPLETE ROUND (2)		2010	ALLIANT TECH SYS INC / PLYMOUTH, MN	SS / FFP	JMC, ROCK ISLAND, IL	Feb 2010	Jan 2011	870	1,475.11	N		
2.2) CA31 COMPLETE ROUND (2)	Y	2010	ALLIANT TECH SYS INC / PLYMOUTH, MN	SS / FFP	JMC, ROCK ISLAND, IL	Feb 2010	Jan 2011	7,127	1,515.40	N		
2.2) CA31 COMPLETE ROUND (2)		2011	ALLIANT TECH SYS INC / PLYMOUTH, MN	SS / FFP	JMC, ROCK ISLAND, IL	Jan 2011	Dec 2011	1,771	1,626.99	N		
2.2) CA31 COMPLETE ROUND (2)	Y	2011	ALLIANT TECH SYS INC / PLYMOUTH, MN	SS / FFP	JMC, ROCK ISLAND, IL	Jan 2011	Dec 2011	4,380	1,626.99	N		
2.2) CA31 COMPLETE ROUND (2)		2012	ALLIANT TECH SYS INC / PLYMOUTH, MN	TBD	JMC, ROCK ISLAND, IL	Jan 2012	Dec 2012	1,275	3,284.00	N		
2.2) CA31 COMPLETE ROUND (2)	Y	2012	ALLIANT TECH SYS INC / PLYMOUTH, MN	TBD	JMC, ROCK ISLAND, IL	Jan 2012	Dec 2012	609	3,284.00	N		
3.1) EFSS AMMUNITION UNDER DEVELOPMENT		2009	GENERAL DYNAMICS / ST PETERSBURG, FL	C / FFP	MCSC	Jan 2011	Mar 2012	11,984	4,685.80	N		
3.1) EFSS AMMUNITION UNDER DEVELOPMENT	Y	2009	GENERAL DYNAMICS / ST PETERSBURG, FL	C / FFP	MCSC	Jan 2011	Mar 2012	6,682	4,685.80	N		
3.1) EFSS AMMUNITION UNDER DEVELOPMENT		2010	GENERAL DYNAMICS / ST PETERSBURG, FL	C / FFP	MCSC	Jan 2011	Mar 2012	3,815	4,685.80	N		
3.1) EFSS AMMUNITION UNDER DEVELOPMENT	Y	2010	GENERAL DYNAMICS / ST PETERSBURG, FL	C / FFP	MCSC	Jan 2011	Mar 2012	854	4,685.80	N		
3.1) EFSS AMMUNITION UNDER DEVELOPMENT	Y	2011	GENERAL DYNAMICS / ST PETERSBURG, FL	C / FFP	MCSC	Jan 2011	May 2013	17,123	4,826.32	N		
3.1) EFSS AMMUNITION UNDER DEVELOPMENT	Y	2012	GENERAL DYNAMICS / ST PETERSBURG, FL	C / FFP	MCSC	Jan 2012	May 2014	1,454	4,970.43	N		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy		Date: February 2011
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1	P-1 Line Item Nomenclature: 1121 - 120 MM, All Types	Item Nomenclature: 120 MM, All Types
Remarks:		

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1121 - 120 MM, All Types **Item Nomenclature:** 120 MM, All Types

COST ELEMENTS Units in Thousands							Fiscal Year 2012														Fiscal Year 2013														
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2012														Calendar Year 2013														Later
							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					
1.1) C785 COMPLETE ROUND M865																																			
x	19	2010	Navy	33.42	33.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	20	2010	Navy	3.57	3.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
2.1) CA31 COMPLETE ROUND																																			
	21	2010	Navy	3.714	3.27	.444	-	.444	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
x	21	2010	Navy	10.69	5.31	5.382	-	5.382	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	21	2011	Navy	1.771	-	1.771	-	-	.23	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.141	-	-	-	-	-	-	-	-	-	-	-			
x	21	2011	Navy	4.38	-	4.38	-	-	.42	.36	.36	.36	.36	.36	.36	.36	.36	.36	.36	.36	.36	-	-	-	-	-	-	-	-	-	-	-			
	21	2012	Navy	1.275	-	1.275	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	.18	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.195			
x	21	2012	Navy	.609	-	.609	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	.06	.05	.05	.05	.05	.05	.05	.05	.05	.05	.099				
2.2) CA31 COMPLETE ROUND (2)																																			
	22	2010	Navy	.87	.36	.51	-	.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
x	22	2010	Navy	7.127	7.127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	22	2011	Navy	1.771	-	1.771	-	-	.23	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.141	-	-	-	-	-	-	-	-	-	-	-			
x	22	2011	Navy	4.38	-	4.38	-	-	.42	.36	.36	.36	.36	.36	.36	.36	.36	.36	.36	.36	.36	-	-	-	-	-	-	-	-	-	-	-			
	22	2012	Navy	1.275	-	1.275	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	.18	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.195			
x	22	2012	Navy	.609	-	.609	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	.06	.05	.05	.05	.05	.05	.05	.05	.05	.05	.099				
3.1) EFSS AMMUNITION UNDER DEVELOPMENT																																			
	23	2009	Navy	11.98	-	11.98	-	-	-	-	-	11.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
x	23	2009	Navy	6.682	-	6.682	-	-	-	-	-	6.682	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	23	2010	Navy	3.815	-	3.815	-	-	-	-	-	3.146	-	.669	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
x	23	2010	Navy	.854	-	.854	-	-	-	-	-	.854	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
x	23	2011	Navy	17.12	-	17.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	4	-	4	7.123				
x	23	2012	Navy	1.454	-	1.454	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.454				
							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					

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1121 - 120 MM, All Types **Item Nomenclature:** 120 MM, All Types

COST ELEMENTS Units in Thousands						Fiscal Year 2014													Fiscal Year 2015													Later	
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	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	J U N	J U L	A U G	S E P			
1.1) C785 COMPLETE ROUND M865																																	
x	19	2010	Navy	33.42	33.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	20	2010	Navy	3.57	3.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2.1) CA31 COMPLETE ROUND																																	
	21	2010	Navy	3.714	3.714	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	21	2010	Navy	10.69	10.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	21	2011	Navy	1.771	1.771	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	21	2011	Navy	4.38	4.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	21	2012	Navy	1.275	1.08	.195	.1	.095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	21	2012	Navy	.609	.51	.099	.05	.049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2.2) CA31 COMPLETE ROUND (2)																																	
	22	2010	Navy	.87	.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	22	2010	Navy	7.127	7.127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	22	2011	Navy	1.771	1.771	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	22	2011	Navy	4.38	4.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	22	2012	Navy	1.275	1.08	.195	.1	.095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	22	2012	Navy	.609	.51	.099	.05	.049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3.1) EFSS AMMUNITION UNDER DEVELOPMENT																																	
	23	2009	Navy	11.98	11.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	23	2009	Navy	6.682	6.682	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	23	2010	Navy	3.815	3.815	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	23	2010	Navy	.854	.854	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	23	2011	Navy	17.12	10	7.123	-	4	-	3.123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
x	23	2012	Navy	1.454	-	1.454	-	-	-	-	-	-	-	1	-	.454	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
							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			

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1	P-1 Line Item Nomenclature: 1121 - 120 MM, All Types	Item Nomenclature: 120 MM, All Types
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MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEAD TIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total
1	GENERAL DYNAMICS - ST PETERSBURG, FL	.001	.011	.034	6	4	11	15	6	4	11	15
2	ALLIANT TECH SYS INC - PLYMOUTH, MN	.001	.011	.034	6	4	11	15	6	4	11	15
3	GENERAL DYNAMICS - ST. PETERSBURG, FL	.001	.011	.034	6	4	11	15	6	4	11	15
4	ALLIANT TECH SYS INC - PLYMOUTH, MN	.001	.011	.034	6	4	11	15	6	4	11	15
5	GENERAL DYNAMICS - ST PETERSBURG, FL	-	-	-								

Remarks:

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 : Marine Corps Ammunition	P-1 Line Item Nomenclature: 1388 - CTG 25 MM, All Types
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ID Code (A=Service Ready, B=Not Service Ready) : A **Related Program Elements:**

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	2.815	3.927	3.889	0.802	4.691	6.318	7.088	5.179	9.099	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	2.815	3.927	3.889	0.802	4.691	6.318	7.088	5.179	9.099	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	2.815	3.927	3.889	0.802	4.691	6.318	7.088	5.179	9.099	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

Base Appropriation Request:

The Cartridge, 25mm Target Practice Discarding Sabot with Tracer (TPDS-T) M910 Linked (DODIC A940) is fired from the M242 Automatic Cannon. This cartridge is a fixed type, percussion primer 25mm ammunition intended as a training substitute for armor piercing service ammunition.

The Cartridge, 25mm Target Practice-Tracer (TP-T) M793 Linked (DODIC A976) is a target practice cartridge used in training, gun testing, and gun system functioning for the M242 25mm Automatic Cannon. The M793 is a fixed type, percussion primed 25mm projectile, and is intended as a substitute for the 25mm tactical round cartridge.

FY12 Overseas Contingency Operations Request (OCO):

DODIC A940, \$0.802. Lack of funding to replace training expenditures will further erode the USMC's War Reserve Munitions Requirement (WRMR) and training stockpile and negatively affect our ability to execute another MCO and/or prepare our Marines for war.

Remarks:

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1							P-1 Line Item Nomenclature: 1388 - CTG 25 MM, All Types							Item Nomenclature: CTG 25 MM, All Types					
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
1) A940, CTG, 25MM TPDS-T LINKED M910		-	-	-	-	-	2.091	-	-	2.927	-	-	2.889	-	-	0.802	-	-	3.691
† 1.1) A940 LOAD, ASSEMBLE, AND PACK C1	A	-	-	-	23.43	40,419	0.947	29.04	44,525	1.293	30.28	42,041	1.273	30.28	12,483	0.378	30.28	54,524	1.651
† 1.2) A940 LOAD, ASSEMBLE, AND PACK C2	A	-	-	-	23.43	40,503	0.949	29.04	44,559	1.294	30.28	42,041	1.273	30.28	12,483	0.378	30.28	54,524	1.651
† 1.3) A940 CONTAINER PA125	A	-	-	-	50.34	2,781	0.140	50.34	3,059	0.154	53.75	2,884	0.155	53.75	856	0.046	53.74	3,740	0.201
1.4) A940 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.053	-	-	0.057	-	-	0.060	-	-	-	-	-	0.060
1.5) A940 QUALITY ASSURANCE	A	-	-	-	-	-	0.002	-	-	0.002	-	-	0.004	-	-	-	-	-	0.004
1.6) A940 FIRST ARTICLE TESTING	A	-	-	-	-	-	-	-	-	0.127	-	-	0.124	-	-	-	-	-	0.124
2) A976, CTG, 25MM TP-T LINKED M793		-	-	-	-	-	0.724	-	-	1.000	-	-	1.000	-	-	-	-	-	1.000
† 2.1) A976 LOAD, ASSEMBLE, AND PACK C1	A	-	-	-	18.17	18,111	0.329	22.40	18,929	0.424	34.47	12,388	0.427	-	-	-	34.47	12,388	0.427
† 2.2) A976 LOAD, ASSEMBLE, AND PACK C2	A	-	-	-	18.18	18,152	0.330	22.40	18,929	0.424	31.80	13,428	0.427	-	-	-	31.80	13,428	0.427
† 2.3) A976 CONTAINER PA125	A	-	-	-	25.60	1,250	0.032	50.34	1,291	0.065	53.75	856	0.046	-	-	-	53.75	856	0.046
2.4) A976 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.032	-	-	0.033	-	-	0.036	-	-	-	-	-	0.036
2.5) A976 QUALITY ASSURANCE	A	-	-	-	-	-	0.001	-	-	0.001	-	-	0.001	-	-	-	-	-	0.001
2.6) A976 FIRST ARTICLE TESTING	A	-	-	-	-	-	-	-	-	0.053	-	-	0.063	-	-	-	-	-	0.063
Gross/Weapon System Cost		-	-	-	-	-	2.815	-	-	3.927	-	-	3.889	-	-	0.802	-	-	4.691
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	-	-	-	2.815	-	-	3.927	-	-	3.889	-	-	0.802	-	-	4.691
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1388 - CTG 25 MM, All Types **Item Nomenclature:** CTG 25 MM, All Types

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
Total Obligation Authority		-	-	-	-	-	2.815	-	-	3.927	-	-	3.889	-	-	0.802	-	-	4.691
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1388 - CTG 25 MM, All Types					Item Nomenclature: CTG 25 MM, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1.1) A940 LOAD, ASSEMBLE, AND PACK C1		2010	GENERAL DYNAMICS OTS / MARION, IL	C / FFP	ROCK ISLAND ARSENAL	Mar 2010	Jan 2011	37,687	23.43	Y		
1.1) A940 LOAD, ASSEMBLE, AND PACK C1	Y	2010	GENERAL DYNAMICS OTS / MARION, IL	C / FFP	ROCK ISLAND ARSENAL	Mar 2010	Jan 2011	2,732	23.43	Y		
1.1) A940 LOAD, ASSEMBLE, AND PACK C1		2011	GENERAL DYNAMICS OTS / MARION, IL	C / FFP	ROCK ISLAND ARSENAL	Jan 2011	Jan 2012	28,444	29.04	Y		
1.1) A940 LOAD, ASSEMBLE, AND PACK C1	Y	2011	GENERAL DYNAMICS OTS / MARION, IL	C / FFP	ROCK ISLAND ARSENAL	Jan 2011	Jan 2012	16,081	29.04	Y		
1.1) A940 LOAD, ASSEMBLE, AND PACK C1		2012	GENERAL DYNAMICS OTS / MARION, IL	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Mar 2013	42,041	30.28	Y		
1.1) A940 LOAD, ASSEMBLE, AND PACK C1	Y	2012	GENERAL DYNAMICS OTS / MARION, IL	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Mar 2013	12,483	30.28	Y		
1.2) A940 LOAD, ASSEMBLE, AND PACK C2		2010	ALLIANT TECH SYS, INC / MESA, AZ	C / CS	ROCK ISLAND ARSENAL	Mar 2010	Jan 2011	37,729	23.43	Y		
1.2) A940 LOAD, ASSEMBLE, AND PACK C2	Y	2010	ALLIANT TECH SYS, INC / MESA, AZ	C / FFP	ROCK ISLAND ARSENAL	Mar 2010	Jan 2011	2,774	23.43	Y		
1.2) A940 LOAD, ASSEMBLE, AND PACK C2		2011	ALLIANT TECH SYS, INC / MESA, AZ	C / FFP	ROCK ISLAND ARSENAL	Jan 2011	Jan 2012	28,478	29.04	Y		
1.2) A940 LOAD, ASSEMBLE, AND PACK C2	Y	2011	ALLIANT TECH SYS, INC / MESA, AZ	C / FFP	ROCK ISLAND ARSENAL	Jan 2011	Jan 2012	16,081	29.04	Y		
1.2) A940 LOAD, ASSEMBLE, AND PACK C2		2012	ALLIANT TECH SYS, INC / MESA, AZ	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Mar 2013	42,041	30.28	Y		
1.2) A940 LOAD, ASSEMBLE, AND PACK C2	Y	2012	ALLIANT TECH SYS, INC / MESA, AZ	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Mar 2013	12,483	30.28	Y		
1.3) A940 CONTAINER PA125		2010	CONCO, INC / LOUISVILLE, KY	C / FFP	ROCK ISLAND ARSENAL	Apr 2010	Nov 2010	2,582	50.34	Y		
1.3) A940 CONTAINER PA125	Y	2010	CONCO, INC / LOUISVILLE, KY	C / FFP	ROCK ISLAND ARSENAL	Apr 2010	Nov 2010	199	50.34	Y		
1.3) A940 CONTAINER PA125		2011	CONCO, INC / LOUISVILLE, KY	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Nov 2011	1,947	50.34	Y		
1.3) A940 CONTAINER PA125	Y	2011	CONCO, INC / LOUISVILLE, KY	C / FFP	ROCK ISLAND ARSENAL	Mar 2011	Nov 2011	1,112	50.34	Y		
1.3) A940 CONTAINER PA125		2012	CONCO, INC / LOUISVILLE, KY	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Nov 2012	2,884	53.75	Y		
1.3) A940 CONTAINER PA125	Y	2012	CONCO, INC / LOUISVILLE, KY	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Nov 2012	856	53.75	Y		
2.1) A976 LOAD, ASSEMBLE, AND PACK C1		2010	GENERAL DYNAMICS OTS / MARION, IL	C / TBD	ROCK ISLAND ARSENAL	Mar 2010	Jan 2011	7,000	18.18	Y		
2.1) A976 LOAD, ASSEMBLE, AND PACK C1	Y	2010	GENERAL DYNAMICS OTS / MARION, IL	C / TBD	** NO PCO **	Mar 2010	Jan 2011	11,111	18.18	N		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1388 - CTG 25 MM, All Types **Item Nomenclature:** CTG 25 MM, All Types

Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
2.1) A976 LOAD, ASSEMBLE, AND PACK C1		2011	GENERAL DYNAMICS OTS / MARION, IL	C / TBD	ROCK ISLAND ARSENAL	Jan 2011	Jan 2012	18,929	22.40	Y		
2.1) A976 LOAD, ASSEMBLE, AND PACK C1		2012	GENERAL DYNAMICS OTS / MARION, IL	C / FP	ROCK ISLAND ARSENAL	Mar 2012	Mar 2013	12,388	34.47	Y		
2.2) A976 LOAD, ASSEMBLE, AND PACK C2		2010	ALLIANT TECH SYS, INC / MESA, AZ	C / FFP	ROCK ISLAND ARSENAL	Mar 2010	Jan 2011	7,041	18.18	Y		
2.2) A976 LOAD, ASSEMBLE, AND PACK C2	Y	2010	ALLIANT TECH SYS, INC / MESA, AZ	C / FFP	ROCK ISLAND ARSENAL	Mar 2010	Jan 2011	11,111	18.18	Y		
2.2) A976 LOAD, ASSEMBLE, AND PACK C2		2011	ALLIANT TECH SYS, INC / MESA, AZ	C / FFP	ROCK ISLAND ARSENAL	Jan 2011	Jan 2012	18,929	22.40	Y		
2.2) A976 LOAD, ASSEMBLE, AND PACK C2		2012	ALLIANT TECH SYS, INC / MESA, AZ	C / FFP	ROCK ISLAND ARSENAL	Mar 2012	Mar 2013	13,428	31.80	Y		
2.3) A976 CONTAINER PA125		2010	CONCO, INC / LOUISVILLE, KY	C / TBD	ROCK ISLAND ARSENAL	Apr 2010	Nov 2010	469	25.60	Y		
2.3) A976 CONTAINER PA125	Y	2010	CONCO, INC / LOUISVILLE, KY	C / TBD	** NO PCO **	Apr 2010	Nov 2010	781	25.60	N		
2.3) A976 CONTAINER PA125		2011	CONCO, INC / LOUISVILLE, KY	C / TBD	ROCK ISLAND ARSENAL	Mar 2011	Nov 2011	1,291	50.34	Y		
2.3) A976 CONTAINER PA125		2012	CONCO, INC / LOUISVILLE, KY	C / FP	ROCK ISLAND ARSENAL	Mar 2012	Nov 2012	856	53.75	Y		

Remarks:
 The Army provided FY10 Prior Year total quantity of A940 of 147,030 cartridges. They did not provide the cost and the break out by year.
 The Army provided FY10 Prior Year total quantity of A976 of 3,000 cartridges. They did not provide the cost and the break out by year.

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity:
 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 :
 Marine Corps Ammunition

P-1 Line Item Nomenclature:
 1468 - Grenades, All Types

ID Code (A=Service Ready, B=Not Service Ready) : A **Related Program Elements:**

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	16.735	15.435	13.452	5.911	19.363	13.755	15.982	14.236	16.470	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	16.735	15.435	13.452	5.911	19.363	13.755	15.982	14.236	16.470	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	16.735	15.435	13.452	5.911	19.363	13.755	15.982	14.236	16.470	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

Base Appropriation Request Continued:

The Fuze, Hand Grenade Practice, w/ Conf Clip, M228 (DODIC G878) is a pyrotechnic delay-igniting fuze. The fuze is used with the Grenade, Hand Practice M69 (DODIC G811). The fuze contains a primer and a pyrotechnic delay column.

The Grenade, Hand Fragmentation w/ Conf Clip, M67 (DODIC G881) is used to supplement small arms fire against the enemy in close combat. The grenade produces casualties by high velocity projection of fragments in a uniform distribution pattern. The grenade body contains 6.5 ounces of Composition B high explosive. This grenade is fuzed with the M213 Pyrotechnic Delay-detonating fuze.

The Grenade, Hand Incendiary Thermite (TH-3) AN-M14 (DODIC G900) is used to provide a source of intense heat to destroy equipment. This incendiary hand grenade generates heat up to 4000 F. The grenade filler will burn for 30 to 45 seconds. It is filled with an incendiary mixture, TH-3, and First-Fire Mixture VII. This grenade is fuzed with the M201A1 Pyrotechnic Delay-igniting Fuze.

The Grenade, 66mm Smoke Screening (IR), Vehicle Launched MK 1 MOD 0 (DODIC GG24 formerly VIRSS) is used in the M257 Smoke Grenade Launcher installed on Tanks, AAV's, and LAVs. This 66mm Smoke Screening grenade will provide Infra-Red (IR) and visual smoke screening for armored/tactical vehicles and personal in combat as well as in training environments.

The Mine, Antipersonnel M18A1 Non-Electric (Shock Tube) initiation system (DODIC J007) is a fragmentation anti-personnel mine that contains 700 steel balls and 682 grams of composition C4 explosive. It is a command detonated mine that is activated by a blasting cap. The mine projects a fan shaped pattern of steel balls in a 60 arc at a height of 2 meters and cover a casualty radius of 100 meters.

The Riot Control Agent, CS (DODIC K765) is a riot control agent capsule that consists of ortho-chlorobenzylidene malano-nitrile. The capsules are used to demonstrate to trainees the protection effort afforded by properly fitted chemical-biological masks, and to demonstrate to unmasked trainees the effects of CS riot control agents.

The SPIDER, (DODIC's TS01, TS02, and TS04, Formally-KSPD) is a hand-emplaced system that consists of three main hardware items: Munition Control Units (lethal and non-lethal), remote control and a repeater. SPIDER requires a man-in-the loop for system operation and activation of the lethal mechanism. With this feature, the Marine makes a conscious decision based on intelligence and rules of engagement to engage a target with a lethal mechanism. This prevents fratricide and addresses the humanitarian concerns.

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy		Date: February 2011
Appropriation / Budget Activity / Budget Sub Activity: 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 : Marine Corps Ammunition		P-1 Line Item Nomenclature: 1468 - Grenades, All Types
ID Code (A=Service Ready, B=Not Service Ready) : A	Related Program Elements:	
<p>The Intelligent Munition System/SCORPION (DODIC TS05, Formally-KIMS) is a part of the FCS system of Unattended Munitions Family capable of guarding terrain against mounted forces and providing combat information to the war fighter. SCORPION provides unmanned ground sensors linked to a lethality component via a command and control system. The engagement components include both lethal and non-lethal effects. The lethality options include attack options for both anti-vehicle and anti-personnel.</p> <p>The Signal, Illumination, Ground Green Star Parachute M195 (DODIC L305) is a rocket propelled, fin stabilized, hand launched, nighttime/daytime signaling device. When fired vertically, the signal projects to an altitude of approximately 700-800 feet, producing a parachute suspended star which burns for approximately 25 seconds (minimum).</p> <p>The Signal, Illumination Ground Red Star Parachute M126A1 (DODIC L311) is a rocket propelled, fin stabilized, hand launched, nighttime/daytime signaling device. When fired vertically, the signal projects to an altitude of approximately 700-800 feet, producing a parachute suspended star that burns for 25 seconds (minimum).</p> <p>The Signal, Illumination Ground Green Star Cluster M125A1 (DODIC L314) is a rocket propelled, fin stabilized, hand launched, nighttime/daytime signaling device. When fired vertically, the signals project to an altitude of approximately 700-800 feet and produce five illuminant "stars" that burn for 6 seconds 18 seconds (minimum).</p> <p>The Simulator, Projectile Ground Burst M115A2 (DODIC L594) is used to simulate battle noises and effects on land only (in flight and ground explosions) during maneuvers and personnel training. This simulator consists of a cylindrical paper tube containing a photoflash charge and a whistle assembly. The whistle assembly, extending from one end of the photoflash charge, is a paper tube containing a slow burning whistle composition, and is joined to a fuze lighter by a length of safety fuze.</p> <p>The Cartridge, Simulator Signal and Illumination White Star GF 1.5 (DODIC LA44) is used in the OMEGA 36/B2 BES System as a training device which ignites pyrotechnic cartridges on command. When used in conjunction with the GF 1.5 Signal and Illumination, White Star cartridge it produces the flash/bang/stars simulating impact/strike/hit of a round on an armored target. The cartridge emits 8 to 12 white burning stars. It has a 3000 meter visibility and a 110 db maximum sound level at 6 Meters.</p> <p>The Cartridge, Simulator Airburst GF 1.5 (DODIC LA45) is used in the OMEGA 36/B2 BES System as a training device which ignites pyrotechnic cartridges on command. When used in conjunction with the GF 1.5 Cartridge, Simulator Airburst it produces a whistle, flash, bang, and smoke signature which simulates indirect artillery fire. It has a 3000 Meter infrared visibility and a 140 db maximum sound level at 6 Meters.</p> <p>The Cartridge, Simulator Hostile Fire GF 1.5 (DODIC LA46) is used in the OMEGA 36/B2 BES System as a training device which ignites pyrotechnic cartridges on command. When used in conjunction with the GF 1.5 Hostile Fire cartridge, it produces an orange flash and white smoke simulating large caliber gunfire. It has an 1800 meter visibility with the naked eye. It has a 3000 Meter visibility and a 140 db maximum sound level at 6 Meters.</p> <p>The Cartridge, Simulator AT Guided Missile Stinger GF 1.5 (DODIC LA47) is used in the OMEGA 36/B2 BES System as a training device which ignites pyrotechnic cartridges on command. When used in conjunction with the GF 1.5 Cartridge, Simulator AT Guided Missile Stinger it simulates firing an RPG and produces a 1 Meter Missile Plume Tail. It has a 3000 meter visibility with a 120 db maximum sound level at 6 Meters.</p> <p>The Signaling Colored Smoke Grenade (SCSG, colors: Green, Yellow, Red, Violet, and White) is a Foreign Comparative Test (FCT) program. SCSG provide ground-to-air or ground-to-ground signaling during battlefield operations. The intent is to procure colored smoke grenades that will provide the war fighter with similar smoke duration, a standard and possibly safer initiation system, and a reduced flame at ignition. The grenades must display performance similar to or greater than the existing M18 smoke grenades.</p> <p>The Smokey Sam, DODIC YW33 is a rocket constructed of phenolic paper and Styrofoam fins used to provide a realistic visual Surface-to-Air Missile (SAM) threat during air war training exercises. Because of its lightweight construction, the Smokey Sam will not cause serious damage even if it should hit low flying aircraft. It was given its name because of the thick white cloud of smoke that it trails when fired to simulate a SAM. The Smokey Sam is 38 cm (15 in) long and has a diameter of 5 cm (2 in). It has a maximum ceiling of 550 m (1800 ft). The Smokey Sam can be launched from unprepared ground by using single bay or four bay launchers (LMU-23/E and LMU-24/E, respectively).</p> <p>FY12 Overseas Contingency Operations Request (OCO):</p> <p>DODIC G881, \$1.300. Lack of funding to replace training expenditures will further erode the USMC's War Reserve Munitions Requirement (WRMR) and training stockpile that will negatively affect our ability to execute another MCO and/or prepare our Marines for combat.</p>		

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy		Date: February 2011
Appropriation / Budget Activity / Budget Sub Activity: 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 : Marine Corps Ammunition		P-1 Line Item Nomenclature: 1468 - Grenades, All Types
ID Code (A=Service Ready, B=Not Service Ready) : A	Related Program Elements:	
<p>DODIC G900, \$1.900. Lack of funding to replace combat and training expenditures will further erode the USMC's War Reserve Munitions Requirement (WRMR) stockpile and negatively affect our ability to execute another MCO, if required.</p> <p>DODIC J007, \$1.800. The Mine, Antipersonnel M18A1 Non-Electric (Shock Tube) initiation system is a fragmentation anti-personnel mine that contains 700 steel balls and 682 grams of composition C4 explosive. It is a command detonated mine that is activated by a blasting cap. The mine projects a fan shaped pattern of steel balls in a 60 arc at a height of 2 meters and cover a casualty radius of 100 meters.</p> <p>DODIC YW33, \$0.911. Lack of funding to replace this vital training expenditure will further erode the USMC's ability to properly train to fight and will negatively affect our ability to execute valid training as required.</p>		
Remarks:		

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Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Navy					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1		P-1 Line Item Nomenclature: 1468 - Grenades, All Types			Aggregated Item Name: Various	
(\$ in Millions, Unit \$ in Dollars, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<i>(Uncategorized)</i>		4.886	1.191	2.500	0.000	2.500
0.1) GG24 (VIRSS) GREN, 66mm SSVL MK 1 MOD 0	A	0.860	0.191	0.200	-	0.200
Quantity		4,778	1,032	1,053	-	1,053
Unit Cost		180.00	185.00	190.00	-	190.00
0.2) LA44 SIMULATOR, SIG & ILLUM WS GF 1.5	A	-	-	0.100	-	0.100
Quantity		-	-	15,060	-	15,060
Unit Cost		-	-	6.64	-	6.64
0.3) LA45 SIMULATOR, AIRBURST GF 1.5	A	-	-	0.050	-	0.050
Quantity		-	-	5,187	-	5,187
Unit Cost		-	-	9.64	-	9.64
0.4) LA46 SIMULATOR, HOSTILE FIRE GF 1.5	A	-	-	0.100	-	0.100
Quantity		-	-	16,287	-	16,287
Unit Cost		-	-	6.14	-	6.14
0.5) LA47 SIMULATOR, AT GM STINGER 1.5	A	-	-	0.050	-	0.050
Quantity		-	-	5,030	-	5,030
Unit Cost		-	-	9.94	-	9.94
0.6) SCSG , SIGNALING COLORED SMOKE GRENADE	A	4.026	1.000	2.000	-	2.000
Quantity		89,467	20,000	36,364	-	36,364
Unit Cost		45.00	50.00	55.00	-	55.00
Total		4.886	1.191	2.500	0.000	2.500
Remarks:						

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Exhibit P-5, Cost Analysis : PB 2012 Navy												Date: February 2011							
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1						P-1 Line Item Nomenclature: 1468 - Grenades, All Types						Item Nomenclature: Grenades, All Types							

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
1) G878 FUZE, HAND GREN PRACT W/ CONF CLIP M228		-	-	-	-	-	2.458	-	-	5.114	-	-	2.886	-	-	-	-	-	2.886
† 1.1) G878 LOAD, ASSEMBLE, PACK (LAP) C 1 ⁽¹⁾	A	-	-	-	4.42	297,285	1.314	7.07	417,114	2.949	5.76	267,014	1.538	-	-	-	5.76	267,014	1.538
† 1.2) G878 LOAD, ASSEMBLE, PACK (LAP) C 2 ⁽²⁾	A	-	-	-	4.42	198,000	0.875	7.07	278,027	1.966	5.76	178,299	1.027	-	-	-	5.76	178,299	1.027
1.3) G878 PRODUCT ENGINEERING	A	-	-	-	-	-	0.266	-	-	0.198	-	-	0.317	-	-	-	-	-	0.317
1.4) G878 QUALITY ASSURANCE	A	-	-	-	-	-	0.003	-	-	0.001	-	-	0.004	-	-	-	-	-	0.004
2) G881 GRENADE, HAND FRAG W/ CONF CLIP M67		-	-	-	-	-	2.811	-	-	7.030	-	-	2.236	-	-	1.300	-	-	3.536
† 2.1) G881 LOAD, ASSEMBLE AND PACK (LAP) ⁽³⁾	A	-	-	-	27.75	81,369	2.258	42.06	150,285	6.321	30.56	55,007	1.681	30.56	42,539	1.300	30.56	97,546	2.981
2.2) G881 PRODUCT ENGINEERING	A	-	-	-	-	-	0.536	-	-	0.702	-	-	0.544	-	-	-	-	-	0.544
2.3) G881 QUALITY ASSURANCE	A	-	-	-	-	-	0.006	-	-	0.007	-	-	0.011	-	-	-	-	-	0.011
2.4) G881 NONRECURRING	A	-	-	-	-	-	0.011	-	-	-	-	-	0.000	-	-	-	-	-	0.000
3) G900 GRENADE, HAND INCENDIARY TH3 AN- M14		-	-	-	-	-	1.212	-	-	-	-	-	1.500	-	-	1.900	-	-	3.400
† 3.1) G900 LOAD, ASSEMBLE AND PACK (LAP) ⁽⁴⁾	A	-	-	-	70.35	12,651	0.890	-	-	-	77.36	9,204	0.712	77.36	22,583	1.747	77.36	31,787	2.459
† 3.2) G900 FUZE HAND GRENADE M201A1	A	-	-	-	4.35	13,103	0.057	-	-	-	4.71	9,554	0.045	4.71	23,567	0.111	4.71	33,121	0.156
† 3.3) G900 GREN, TOPS AND BODIES	A	-	-	-	1.51	14,570	0.022	-	-	-	1.62	10,494	0.017	1.62	25,926	0.042	1.62	36,420	0.059
3.4) G900 PRODUCT ENGINEERING	A	-	-	-	-	-	0.242	-	-	-	-	-	0.719	-	-	-	-	-	0.719
3.5) G900 QUALITY ASSURANCE	A	-	-	-	-	-	0.001	-	-	-	-	-	0.007	-	-	-	-	-	0.007

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011							
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1468 - Grenades, All Types					Item Nomenclature: Grenades, All Types												
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012											
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M			
4) GG24 VIRSS, GREN 66MM SSVL MK 1 MOD 0		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000		
5) J007 MINE, APERS M18A1 W/ SHOCK TUBE		-	-	-	-	-	0.233	-	-	-	-	-	-	-	-	-	-	-	-	0.500	1.800	2.300
† 5.1) J007 LOAD, ASSEMBLE AND PACK (LAP) ⁽⁵⁾	A	-	-	-	209.31	965	0.202	-	-	-	-	-	-	0.000	246.58	6,213	1.532	246.58	6,213	1.532	1.532	
† 5.2) J007 COMP C-4 CLASS 3	A	-	-	-	19.38	1,600	0.031	-	-	-	-	-	-	0.000	19.95	10,276	0.205	19.95	10,276	0.205	0.205	
5.3) J007 PRODUCT ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	-	0.500	-	-	0.063	-	-	0.563	0.563	
6) K765 RIOT CONTROL AGENT, CS		-	-	-	-	-	-	-	-	-	-	-	-	0.300	-	-	-	-	-	0.300	0.300	
† 6.1) K765 LOAD, ASSEMBLE AND PACK (LAP)	A	-	-	-	-	-	-	-	-	-	0.39	5,128	0.002	-	-	-	-	0.39	5,128	0.002	0.002	
6.2) K765 PRODUCT ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	-	0.296	-	-	-	-	-	0.296	0.296	
6.3) K765 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	-	-	-	-	0.002	-	-	-	-	-	0.002	0.002	
7) KIMS (TS05) DISPENSING MODULE		-	-	-	-	-	-	-	-	2.000	-	-	0.000	-	-	-	-	-	-	0.000	0.000	
† 7.1) KIMS LOAD, ASSEMBLE AND PACK (LAP)	A	-	-	-	-	-	-	134,000.00	12	1.608	-	-	0.000	-	-	-	-	-	-	0.000	0.000	
7.2) KIMS PRODUCT ENGINEERING	A	-	-	-	-	-	-	-	-	0.295	-	-	0.000	-	-	-	-	-	-	0.000	0.000	
7.3) KIMS QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	0.097	-	-	0.000	-	-	-	-	-	-	0.000	0.000	
8) KSPD (TS01, 002, 004) MUNITION CONTROL UNIT		-	-	-	-	-	2.000	-	-	0.050	-	-	1.909	-	-	-	-	-	-	1.909	1.909	
† 8.1) KSPD LOAD, ASSEMBLE AND PACK (LAP)	A	-	-	-	451,500.00	4	1.806	-	-	-	335,000.00	5	1.675	-	-	-	-	335,000.00	5	1.675	1.675	
8.2) KSPD PRODUCT ENGINEERING	A	-	-	-	-	-	0.194	-	-	0.050	-	-	0.234	-	-	-	-	-	-	0.234	0.234	
9) L305 SIGNAL, ILLUM GROUND GSP M195		-	-	-	-	-	1.202	-	-	0.050	-	-	0.020	-	-	-	-	-	-	0.020	0.020	

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1468 - Grenades, All Types					Item Nomenclature: Grenades, All Types									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
† 9.1) L305 LOAD, ASSEMBLE AND PACK (LAP) ⁽⁶⁾	A	-	-	-	41.09	28,036	1.152	51.77	483	0.025	58.98	34	0.002	-	-	-	58.98	34	0.002
† 9.2) L305 BOX METAL M548 (EA)	A	-	-	-	31.65	853	0.027	32.61	31	0.001	38.69	26	0.001	-	-	-	38.69	26	0.001
9.3) L305 PRODUCT ENGINEERING	A	-	-	-	-	-	0.020	-	-	0.023	-	-	0.017	-	-	-	-	-	0.017
9.4) L305 QUALITY ASSURANCE	A	-	-	-	-	-	0.003	-	-	0.001	-	-	0.000	-	-	-	-	-	0.000
10) L311 SIGNAL, ILLUM GROUND RSP M126A1		-	-	-	-	-	-	-	-	-	-	-	0.050	-	-	-	-	-	0.050
† 10.1) L311 LOAD, ASSEMBLE AND PACK (LAP) ⁽⁷⁾	A	-	-	-	-	-	-	-	-	-	60.89	624	0.038	-	-	-	60.89	624	0.038
† 10.2) L311 BOX METAL M548 (EA)	A	-	-	-	-	-	-	-	-	-	38.69	26	0.001	-	-	-	38.69	26	0.001
10.3) L311 PRODUCT ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	0.011	-	-	-	-	-	0.011
10.4) L311 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
11) L314 SIGNAL, ILLUM GROUND GSC M125A1		-	-	-	-	-	0.981	-	-	-	-	-	0.000	-	-	-	-	-	0.000
11.1) L314 LOAD, ASSEMBLE AND PACK (LAP)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
11.2) L314 BOX METAL M548 (EA)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
11.3) L314 PRODUCT ENGINEERING	A	-	-	-	-	-	0.981	-	-	-	-	-	0.000	-	-	-	-	-	0.000
11.4) L314 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
12) L594 SIMULATOR, PROJ GROUND BURST M115A2		-	-	-	-	-	0.590	-	-	-	-	-	1.051	-	-	-	-	-	1.051
† 12.1) L594 LOAD, ASSEMBLE AND PACK (LAP) ⁽⁸⁾	A	-	-	-	20.03	26,211	0.525	-	-	-	23.04	41,840	0.964	-	-	-	23.04	41,840	0.964
12.2) L594 PRODUCT ENGINEERING	A	-	-	-	-	-	0.063	-	-	-	-	-	0.086	-	-	-	-	-	0.086

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Exhibit P-5, Cost Analysis : PB 2012 Navy														Date: February 2011					
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1							P-1 Line Item Nomenclature: 1468 - Grenades, All Types							Item Nomenclature: Grenades, All Types					

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
12.3) L594 QUALITY ASSURANCE	A	-	-	-	-	-	0.002	-	-	-	-	-	0.001	-	-	-	-	-	0.001
13) LA44 SIMULATOR, SIG & ILLUM WS GF 1.5		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
14) LA45 SIMULATOR, AIRBURST GF 1.5		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
15) LA46 SIMULATOR, HOSTILE FIRE GF 1.5		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
16) LA47 SIMULATOR, AT GM STINGER 1.5		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
17) SCSG SIGNAL COLORED SMOKE GREEN		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
18) YW33 GTR-18 SMOKEY SAM		-	-	-	-	-	0.362	-	-	-	-	-	0.500	-	-	0.911	-	-	1.411
† 18.1) YW33 LOAD, ASSEMBLE AND PACK (LAP)	A	-	-	-	-	-	-	-	-	-	172.18	2,614	0.450	172.21	5,290	0.911	172.19	7,904	1.361
18.2) YW33 PRODUCT ENGINEERING	A	-	-	-	-	-	0.362	-	-	-	-	-	0.048	-	-	-	-	-	0.048
18.3) YW33 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	-	-	-	0.002	-	-	-	-	-	0.002
Gross/Weapon System Cost		-	-	-	-	-	11.849	-	-	14.244	-	-	10.952	-	-	5.911	-	-	16.863
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	-	-	-	11.849	-	-	14.244	-	-	10.952	-	-	5.911	-	-	16.863
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	-	-	-	11.849	-	-	14.244	-	-	10.952	-	-	5.911	-	-	16.863
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:
⁽¹⁾FY10PY (Prior year)
 G878 C-1, The Army provided FY10 Prior Year total quantity of 400.82. They did not provide the cost and the break out by year.
⁽²⁾FY10PY (Prior year)
 G878 C-2, The Army provided FY10 Prior Year total quantity of 1252.44. They did not provide the cost and the break out by year.
⁽³⁾FY10PY (Prior year)
 G881, The Army provided FY10 Prior Year total quantity of 44.31. They did not provide the cost and the break out by year.
⁽⁴⁾FY10PY (Prior year)

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Exhibit P-5, Cost Analysis : PB 2012 Navy		Date: February 2011
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1	P-1 Line Item Nomenclature: 1468 - Grenades, All Types	Item Nomenclature: Grenades, All Types
<p>G900, The Army provided FY10 Prior Year total quantity of 30.00. They did not provide the cost and the break out by year. (5)FY10PY (Prior year)</p> <p>J007, The Army provided FY10 Prior Year total quantity of 21.00. They did not provide the cost and the break out by year. (6)FY10PY (Prior year)</p> <p>L305, The Army provided FY10 Prior Year total quantity of 89.83. They did not provide the cost and the break out by year. (7)FY10PY (Prior year)</p> <p>L311, The Army provided FY10 Prior Year total quantity of 44.78. They did not provide the cost and the break out by year. (8)FY10PY (Prior year)</p> <p>L594, The Army provided FY10 Prior Year total quantity of 445.50. They did not provide the cost and the break out by year.</p>		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1468 - Grenades, All Types					Item Nomenclature: Grenades, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1.1) G878 LOAD, ASSEMBLE, PACK (LAP) C 1		2010	ALLIANT TECH SYS, INC / ROCKET CENTER,WV	C / FFP	JMC	Mar 2010	Jan 2012	230,090	4.42	Y		Jan 2010
1.1) G878 LOAD, ASSEMBLE, PACK (LAP) C 1	Y	2010	ALLIANT TECH SYS, INC / ROCKET CENTER,WV	C / FFP	JMC	Mar 2010	Jan 2012	67,195	4.42	Y		Jan 2010
1.1) G878 LOAD, ASSEMBLE, PACK (LAP) C 1		2011	ALLIANT TECH SYS, INC / ROCKET CENTER,WV	C / FFP	JMC	Mar 2011	Mar 2012	142,008	7.07	Y		Jan 2011
1.1) G878 LOAD, ASSEMBLE, PACK (LAP) C 1	Y	2011	ALLIANT TECH SYS, INC / ROCKET CENTER,WV	C / FFP	JMC	Mar 2011	Mar 2012	275,106	7.07	Y		Jan 2011
1.1) G878 LOAD, ASSEMBLE, PACK (LAP) C 1		2012	ALLIANT TECH SYS, INC / ROCKET CENTER,WV	C / FFP	JMC	Mar 2012	Mar 2013	267,014	5.76	Y		Jan 2012
1.2) G878 LOAD, ASSEMBLE, PACK (LAP) C 2		2010	MARTIN ELECTRONICS, INC. / PERRY,FL	C / FFP	JMC	Mar 2010	Nov 2011	154,000	4.42	Y		Jan 2010
1.2) G878 LOAD, ASSEMBLE, PACK (LAP) C 2	Y	2010	MARTIN ELECTRONICS, INC. / PERRY,FL	C / FFP	JMC	Mar 2010	Jan 2012	44,000	4.42	Y		Jan 2010
1.2) G878 LOAD, ASSEMBLE, PACK (LAP) C 2		2011	MARTIN ELECTRONICS, INC. / PERRY,FL	C / FFP	JMC	Mar 2011	Mar 2012	95,000	7.07	Y		Jan 2011
1.2) G878 LOAD, ASSEMBLE, PACK (LAP) C 2	Y	2011	MARTIN ELECTRONICS, INC. / PERRY,FL	C / FFP	JMC	Mar 2011	Mar 2012	183,027	7.07	Y		Jan 2011
1.2) G878 LOAD, ASSEMBLE, PACK (LAP) C 2		2012	MARTIN ELECTRONICS, INC. / PERRY,FL	C / FFP	JMC	Mar 2012	Mar 2013	178,299	5.76	Y		Jan 2012
2.1) G881 LOAD, ASSEMBLE AND PACK (LAP)		2010	D & Z DEFENSE SYS DIV / LONE STAR TEXARKANA, TX	C / FFP	JMC	Sep 2010	Mar 2012	81,369	27.75	Y		Jul 2010
2.1) G881 LOAD, ASSEMBLE AND PACK (LAP)		2011	D & Z DEFENSE SYS DIV / LONE STAR TEXARKANA, TX	C / FFP	JMC	Mar 2011	Sep 2012	81,455	42.06	Y		Jan 2011
2.1) G881 LOAD, ASSEMBLE AND PACK (LAP)	Y	2011	D & Z DEFENSE SYS DIV / LONE STAR TEXARKANA, TX	C / FFP	JMC	Mar 2011	Sep 2012	68,830	42.06	Y		Jan 2011
2.1) G881 LOAD, ASSEMBLE AND PACK (LAP)		2012	D & Z DEFENSE SYS DIV / LONE STAR TEXARKANA, TX	C / FFP	JMC	Mar 2012	Sep 2013	55,007	30.56	Y		Jan 2012
2.1) G881 LOAD, ASSEMBLE AND PACK (LAP)	Y	2012	D & Z DEFENSE SYS DIV / LONE STAR TEXARKANA, TX	C / FFP	JMC	Mar 2012	Sep 2013	42,539	30.56	Y		Jan 2012
3.1) G900 LOAD, ASSEMBLE AND PACK (LAP)	Y	2010	PINE BLUFF ARSENAL / PINE BLUFF, AR	SS / FP	JMC	Mar 2010	May 2012	12,651	70.35	Y		Jan 2010
3.1) G900 LOAD, ASSEMBLE AND PACK (LAP)		2012	PINE BLUFF ARSENAL / PINE BLUFF, AR	SS / FP	JMC	Mar 2012	Mar 2013	9,204	77.36	Y		Jan 2012
3.1) G900 LOAD, ASSEMBLE AND PACK (LAP)	Y	2012	PINE BLUFF ARSENAL / PINE BLUFF, AR	SS / FP	JMC	Mar 2012	Mar 2013	22,583	77.36	Y		Jan 2012
3.2) G900 FUZE HAND GRENADE M201A1	Y	2010	MARTIN ELECTRONICS, INC. / PERRY,FL	C / FFP	JMC	Mar 2010	Mar 2011	13,103	4.35	Y		Jan 2010
3.2) G900 FUZE HAND GRENADE M201A1		2012	MARTIN ELECTRONICS, INC. / PERRY,FL	C / FFP	JMC	Mar 2012	Mar 2013	9,554	4.71	Y		Jan 2012

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1468 - Grenades, All Types					Item Nomenclature: Grenades, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
3.2) G900 FUZE HAND GRENADE M201A1	Y	2012	MARTIN ELECTRONICS, INC. / PERRY, FL	C / FFP	JMC	Mar 2012	Mar 2013	23,567	4.71	Y		Jan 2012
3.3) G900 GREN, TOPS AND BODIES	Y	2010	TOOL MASTERS INC / TUSCUMBIA, AL	C / FFP	JMC	Mar 2010	Mar 2011	14,570	1.51	Y		Jan 2010
3.3) G900 GREN, TOPS AND BODIES		2012	TOOL MASTERS INC / TUSCUMBIA, AL	C / FFP	JMC	Mar 2012	Mar 2013	10,494	1.62	Y		Jan 2012
3.3) G900 GREN, TOPS AND BODIES	Y	2012	TOOL MASTERS INC / TUSCUMBIA, AL	C / FFP	JMC	Mar 2012	Mar 2013	25,926	1.62	Y		Jan 2012
5.1) J007 LOAD, ASSEMBLE AND PACK (LAP)	Y	2010	TO BE SELECTED / UNKNOWN	C / FFP	JMC	Jun 2011	Dec 2012	965	209.31	Y		Apr 2011
5.1) J007 LOAD, ASSEMBLE AND PACK (LAP)	Y	2012	TO BE SELECTED / UNKNOWN	C / FFP	JMC	Mar 2012	Jun 2013	6,213	246.58	Y		Jan 2012
5.2) J007 COMP C-4 CLASS 3	Y	2010	BAE ORDNANCE SYSTEMS / KINDSPORT, TN	SS / FFP	JMC	Apr 2010	Jan 2011	1,600	19.38	Y		Feb 2010
5.2) J007 COMP C-4 CLASS 3	Y	2012	BAE ORDNANCE SYSTEMS / KINDSPORT, TN	SS / FFP	JMC	Apr 2012	Jan 2013	10,276	19.95	Y		Feb 2012
6.1) K765 LOAD, ASSEMBLE AND PACK (LAP)		2012	TBD / TBD	C / FFP	JMC	May 2012	Aug 2013	5,128	0.39	Y		Mar 2012
7.1) KIMS LOAD, ASSEMBLE AND PACK (LAP)		2011	TBD / TBD	C / TBD	JMC	Mar 2011	Sep 2013	12	134,000.00	N		Jan 2011
8.1) KSPD LOAD, ASSEMBLE AND PACK (LAP)		2010	ALLIANT TECH/TEXTRON / WILMINGTON, MA	SS / FP	PEO AMMO	Mar 2012	Jun 2013	4	451,500.00	N		Jan 2012
8.1) KSPD LOAD, ASSEMBLE AND PACK (LAP)		2012	ALLIANT TECH/TEXTRON / WILMINGTON, MA	C / TBD	PEO AMMO	Mar 2012	Jun 2013	5	335,000.00	N		Jan 2012
9.1) L305 LOAD, ASSEMBLE AND PACK (LAP)	Y	2010	SECURITY SIGNALS / CORDOVA, TN	C / FFP	JMC	Mar 2010	Jun 2012	28,036	41.09	Y		Jan 2010
9.1) L305 LOAD, ASSEMBLE AND PACK (LAP)		2011	TBD / TBD	C / FFP	JMC	Oct 2011	Nov 2012	483	51.77	Y		Aug 2011
9.1) L305 LOAD, ASSEMBLE AND PACK (LAP)		2012	TBD / TBD	C / FFP	JMC	Mar 2012	Jun 2013	34	58.98	Y		Jan 2012
9.2) L305 BOX METAL M548 (EA)	Y	2010	CONCO, INC / LOUISVILLE, KY	C / FFP	JMC	Aug 2010	Aug 2011	853	31.65	Y		Jun 2010
9.2) L305 BOX METAL M548 (EA)		2011	CONCO, INC / LOUISVILLE, KY	C / FFP	JMC	Dec 2010	Aug 2011	31	32.61	Y		Oct 2010
9.2) L305 BOX METAL M548 (EA)		2012	CONCO, INC / LOUISVILLE, KY	C / FFP	JMC	Dec 2011	Aug 2012	26	38.69	Y		Oct 2011
10.1) L311 LOAD, ASSEMBLE AND PACK (LAP)		2012	TO BE SELECTED / UNKNOWN	C / FFP	JMC	Mar 2012	Jun 2013	624	60.89	Y		Jan 2012
10.2) L311 BOX METAL M548 (EA)		2012	CONCO, INC / LOUISVILLE, KY	C / FFP	JMC	Dec 2011	Aug 2012	26	38.69	Y		Oct 2011
12.1) L594 LOAD, ASSEMBLE AND PACK (LAP)	Y	2010	PYROTECHNIQUE GRUCCI / RADFORD, VA	C / FFP	JMC	Oct 2009	Jan 2011	26,211	20.03	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1	P-1 Line Item Nomenclature: 1468 - Grenades, All Types	Item Nomenclature: Grenades, All Types
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Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
12.1) L594 LOAD, ASSEMBLE AND PACK (LAP)		2012	TO BE SELECTED / UNKNOWN	C / FFP	JMC	Mar 2012	Mar 2013	41,840	23.04	Y		Jan 2012
18.1) YW33 LOAD, ASSEMBLE AND PACK (LAP)		2012	NSWC INDIAN HEAD DIV / Indian Head, MD	SS / FFP	JMC	Mar 2012	Sep 2012	2,614	172.18	N		Jan 2012
18.1) YW33 LOAD, ASSEMBLE AND PACK (LAP)	Y	2012	NSWC INDIAN HEAD DIV / Indian Head, MD	SS / FFP	JMC	Mar 2012	Sep 2012	5,290	172.21	N		Jan 2012

Remarks:

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 : Marine Corps Ammunition	P-1 Line Item Nomenclature: 1471 - Rockets, All Types
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ID Code (A=Service Ready, B=Not Service Ready) : A	Related Program Elements:
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	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	21.204	27.538	15.556	18.871	34.427	10.794	16.057	13.346	13.616	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	21.204	27.538	15.556	18.871	34.427	10.794	16.057	13.346	13.616	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	21.204	27.538	15.556	18.871	34.427	10.794	16.057	13.346	13.616	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:
 Base Appropriation Request:
 The Cartridge and Launcher, 84mm M136 AT-4 (DODIC C995) is mainly employed against armored personnel carriers. However, it can be used against battle tanks when fired at the flanks or rear. It can also be employed as an assault weapon against bunkers, field fortifications, and other hard-point positions. Issued as one round of ammunition, the AT-4 tactical round is a self-contained, lightweight, disposable weapon.

The M72AS Trainer Rocket (DODIC HA21) is a 21mm Sub-Caliber practice rocket that fully simulates the M72A7 Tactical Rocket. The Trainer Rocket is used with the M72AS Trainer Launcher (E5002VIIB) which is the same tube as the Tactical Rocket but contains an insert for use with the 21mm sub-caliber munition.

The M72A7 Tactical Rocket, High Explosive, (DODIC HA29) is a lightweight, single shot, disposable weapon optimized to defeat light armored vehicles and other hard targets at close combat ranges.

The Rocket, 83mm Common Practice (CP) (SMAW) (DODIC HX07) Rocket is designed as a practice round for DODICs HX05, HA34 and HX06 SMAW rockets.

FY12 Overseas Contingency Operations Request:
 DODIC HA29, \$18.871 Lack of funding to replace combat expenditures will further erode the USMC's WRMR stockpile and negatively affect our ability to execute another MCO, if required.

Remarks:

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Exhibit P-5, Cost Analysis : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1471 - Rockets, All Types **Item Nomenclature:** Rockets, All Types

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
1) HA21 ROCKET, TRAINER M72AS 21MM		-	-	-	-	-	3.578	-	-	7.603	-	-	1.138	-	-	-	-	-	1.138
† 1.1) HA21 COMPLETE ROUND	A	-	-	-	77.84	45,966	3.578	81.73	93,026	7.603	84.19	13,517	1.138	-	-	-	84.19	13,517	1.138
2) HA29 ROCKET, 66MM HE M72A7 W/ GRAZE		-	-	-	-	-	13.101	-	-	15.075	-	-	9.937	-	-	18.871	-	-	28.808
† 2.1) HA29 COMPLETE ROUND	A	-	-	-	2,447.87	5,352	13.101	2,520.48	5,981	15.075	2,595.87	3,828	9.937	2,596.09	7,269	18.871	2,596.02	11,097	28.808
3) C995 ROCKET, 84MM HEAA (AT-4)		-	-	-	-	-	1.921	-	-	2.079	-	-	3.093	-	-	-	-	-	3.093
† 3.1) C995 COMPLETE ROUND	A	-	-	-	2,850.15	674	1.921	2,948.94	705	2.079	3,047.29	1,015	3.093	-	-	-	3,047.29	1,015	3.093
4) HX07 ROCKET, 83MM HEAA PRACTICE		-	-	-	-	-	2.604	-	-	2.781	-	-	1.388	-	-	-	-	-	1.388
4.1) HX07 COMPLETE ROUND ⁽¹⁾	A	-	-	-	-	-	2.604	-	-	2.781	-	-	1.388	-	-	-	-	-	1.388
Gross/Weapon System Cost		-	-	-	-	-	21.204	-	-	27.538	-	-	15.556	-	-	18.871	-	-	34.427
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	-	-	-	21.204	-	-	27.538	-	-	15.556	-	-	18.871	-	-	34.427
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	-	-	-	21.204	-	-	27.538	-	-	15.556	-	-	18.871	-	-	34.427
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:
⁽¹⁾DODIC HX07: NO P5A WILL BE GENERATED. THERE IS NO QTY OR CONTRACT DATA FOR THIS ITEM. ITEM IS NOW CONSIDERED A LEGACY MUNITION, AND A NEW VERSION IS CURRENTLY IN DEVELOPMENT

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1471 - Rockets, All Types					Item Nomenclature: Rockets, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1.1) HA21 COMPLETE ROUND ⁽¹⁾		2010	NAMMO Talley Defense Systems / Mesa, AZ	SS / FP	MCSC, Quantico, VA	Jun 2010	May 2011	13,643	77.84	Y	Jul 2011	Apr 2009
1.1) HA21 COMPLETE ROUND ⁽²⁾	Y	2010	NAMMO Talley Defense Systems / Mesa, AZ	SS / FP	MCSC, Quantico, VA	Jun 2010	May 2011	32,323	77.84	Y	Jul 2011	Apr 2009
1.1) HA21 COMPLETE ROUND ⁽³⁾		2011	NAMMO Talley Defense Systems / Mesa, AZ	SS / FP	MCSC, Quantico, VA	Jan 2011	Sep 2012	13,887	81.73	Y	Jul 2012	Apr 2009
1.1) HA21 COMPLETE ROUND ⁽⁴⁾	Y	2011	NAMMO Talley Defense Systems / Mesa, AZ	SS / FP	MCSC, Quantico, VA	Jan 2011	Sep 2012	79,139	81.73	Y	Jul 2012	Apr 2009
1.1) HA21 COMPLETE ROUND ⁽⁵⁾		2012	NAMMO Talley Defense Systems / Mesa, AZ	SS / FP	MCSC, Quantico, VA	Nov 2011	Aug 2012	13,517	84.19	Y	Jul 2013	Apr 2009
2.1) HA29 COMPLETE ROUND ⁽⁶⁾		2010	NAMMO Talley Defense Systems / Mesa, AZ	SS / FP	MCSC, Quantico, VA	Jun 2010	Jun 2011	3,064	2,448.05	Y	Jul 2011	Apr 2009
2.1) HA29 COMPLETE ROUND ⁽⁷⁾	Y	2010	NAMMO Talley Defense Systems / Mesa, AZ	SS / FP	MCSC, Quantico, VA	Jun 2010	Jun 2011	2,288	2,448.05	Y	Jul 2011	Apr 2009
2.1) HA29 COMPLETE ROUND ⁽⁸⁾		2011	NAMMO Talley Defense Systems / Mesa, AZ	SS / FP	MCSC, Quantico, VA	Jan 2011	Oct 2011	3,174	2,520.52	Y	Jul 2012	Apr 2009
2.1) HA29 COMPLETE ROUND ⁽⁹⁾	Y	2011	NAMMO Talley Defense Systems / Mesa, AZ	SS / FP	MCSC, Quantico, VA	Jan 2011	Oct 2011	2,807	2,520.52	Y	Jul 2012	Apr 2009
2.1) HA29 COMPLETE ROUND ⁽¹⁰⁾		2012	NAMMO Talley Defense Systems / Mesa, AZ	SS / FP	MCSC, Quantico, VA	Nov 2011	Oct 2012	3,828	2,595.87	Y	Jul 2013	Apr 2009
2.1) HA29 COMPLETE ROUND	Y	2012	NAMMO Talley Defense Systems / Mesa, AZ	SS / FP	MCSC, Quantico, VA	Nov 2011	Oct 2012	7,269	2,596.09	Y	Jul 2013	Apr 2009
3.1) C995 COMPLETE ROUND ⁽¹¹⁾		2010	SAAB BOFORS DYNAMICS / KARLSKOGA, SWEDEN	SS / FP	MCSC, Quantico, VA	Jan 2012	Jan 2013	674	2,850.15	Y	Apr 2011	May 2006
3.1) C995 COMPLETE ROUND ⁽¹²⁾		2011	SAAB BOFORS DYNAMICS / KARLSKOGA, SWEDEN	SS / FP	MCSC, Quantico, VA	Jan 2012	Jan 2013	705	2,948.94	Y	Apr 2011	May 2006
3.1) C995 COMPLETE ROUND ⁽¹³⁾		2012	SAAB BOFORS DYNAMICS / KARLSKOGA, SWEDEN	SS / FP	MCSC, Quantico, VA	Jan 2012	Jan 2013	1,015	3,047.29	Y	Apr 2011	May 2006
Remarks: DODIC HX07: NO P5A WILL BE GENERATED FOR HX07 SMAW, 83mm COMMON PRACTICE DUE TO NO QTY OR CONTRACT DATA FOR THIS ITEM. ITEM IS NOW CONSIDERED A LEGACY MUNITION, AND A NEW VERSION IS CURRENTLY IN DEVELOPMENT ⁽¹⁾ First delivery is in May 2011 ⁽²⁾ First delivery is in May 2011 ⁽³⁾ First delivery is in September 2012 ⁽⁴⁾ First delivery is in September 2012 ⁽⁵⁾ First delivery is in August 2012 ⁽⁶⁾ 0 ⁽⁷⁾ 0 ⁽⁸⁾ 0 ⁽⁹⁾ 0												

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy		Date: February 2011
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1	P-1 Line Item Nomenclature: 1471 - Rockets, All Types	Item Nomenclature: Rockets, All Types
<p>⁽¹⁰⁾0</p> <p>⁽¹¹⁾NO DELIVERY ORDER HAS BEEN AWARDED FOR 2010</p> <p>⁽¹²⁾NO DELIVERY ORDER HAS BEEN AWARDED FOR 2011</p> <p>⁽¹³⁾NO DELIVERY ORDER HAS BEEN AWARDED FOR 2012</p>		

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1471 - Rockets, All Types **Item Nomenclature:** Rockets, All Types

COST ELEMENTS Units in Thousands							Fiscal Year 2012													Fiscal Year 2013													Later
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	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	J U N	J U L	A U G	S E P			
1.1) HA21 COMPLETE ROUND																																	
	24	2010	Navy	13.64	13.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
x	24	2010	Navy	32.32	32.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24	2011	Navy	13.89	-	13.89	-	-	-	-	-	-	-	-	-	-	-	13.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
x	24	2011	Navy	79.14	-	79.14	-	-	-	-	-	-	-	-	-	-	-	36.11	-	-	43.03	-	-	-	-	-	-	-	-	-	-	-	-
	24	2012	Navy	13.52	-	13.52	-	A -	-	-	-	-	-	-	-	-	13.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1) HA29 COMPLETE ROUND																																	
	25	2010	Navy	3.064	1.024	2.04	.256	.256	.256	.256	.256	.256	.256	.248	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	25	2010	Navy	2.288	.764	1.524	.191	.191	.191	.191	.191	.191	.191	.187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	25	2011	Navy	3.174	-	3.174	.265	.265	.265	.265	.265	.265	.265	.265	.265	.265	.259	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	25	2011	Navy	2.807	-	2.807	.234	.234	.234	.234	.234	.234	.234	.234	.234	.234	.233	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	25	2012	Navy	3.828	-	3.828	-	A -	-	-	-	-	-	-	-	-	-	.319	.319	.319	.319	.319	.319	.319	.319	.319	.319	.319	.319	.319	.319	-	
x	25	2012	Navy	7.269	-	7.269	-	A -	-	-	-	-	-	-	-	-	-	.606	.606	.606	.606	.606	.606	.606	.606	.606	.606	.606	.606	.606	.603	-	
							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			

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy		Date: February 2011
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1	P-1 Line Item Nomenclature: 1471 - Rockets, All Types	Item Nomenclature: Rockets, All Types

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEAD TIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total
1	NAMMO Talley Defense Systems - Mesa, AZ	.001	.05	.18	1	12	12	24	12	12	12	24
2	NAMMO Talley Defense Systems - Mesa, AZ	.001	.012	.028	12	12	12	24	12	12	12	24

Remarks:

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity:
 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 :
 Marine Corps Ammunition

P-1 Line Item Nomenclature:
 1473 - Artillery, All Types

ID Code (A=Service Ready, B=Not Service Ready) : A **Related Program Elements:**

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	139.744	207.541	42.526	57.003	99.529	44.468	78.571	51.517	59.062	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	139.744	207.541	42.526	57.003	99.529	44.468	78.571	51.517	59.062	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	139.744	207.541	42.526	57.003	99.529	44.468	78.571	51.517	59.062	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

Baseline Appropriation Request:

The Projectile, 155mm Illuminating M485A2 (DODIC D505) is a separate loading artillery projectile that consists of a hollow steel shell with an illuminant canister, a canister expelling charge in the projectile nose, and a drogue parachute in the base. This projectile is fired from the 155mm M198 and M777 Towed Howitzers. The projectile uses a Mechanical Time fuze.

The Projectile, 155mm High Explosive (HE) M795 (DODIC D529) is fired from the 155mm M198 Howitzer and is compatible with the M777 Light Weight 155 Howitzer. It is used to provide conventional support fires and provides an increase in range, lethality, and accuracy.

The Projectile, 155mm Smoke White Phosphorus (WP) M110A2 (DODIC D550) is a separate loading projectile used to provide smoke for marking purposes and can be used to provide screening of mechanized or infantry maneuver. The M110A2 projectile is fired from the M198 and M777 Towed Howitzers. A point detonating fuze is normally used with this projectile.

The M231 Modular Artillery Charge System (MACS)(DODIC DA12) is a propelling charge for the 155mm family of artillery projectiles. The M231 is used at lower zones (1 or 2 increments at a time) and is based on the classical unicharge design, i.e. bi-directional center core ignition, granular propellant contained in a rigid combustible case. MACS will offer improvements in logistics, range, and simplicity when compared to existing bag propellants (M203 series, M119 series, M3 series and M4 series).

The M232 MACS (DODIC DA13) is a propelling charge for the 155mm family of artillery projectiles. The M232 is used at higher zones and is based on the classical unicharge design, i.e. bi-directional center core ignition, granular propellant contained in a rigid combustible case. MACS will offer improvements in logistics, range, and simplicity when compared to existing bag propellants (M203 series, M119 series and M4 series).

The Excalibur 155mm (DODIC DA45) Precision Guided Extended Range Artillery Projectile, also known as the M982 ER DPICM (Extended Range Dual Purpose Improved Conventional Munitions) Projectile, is a smart munition. It provides capability to attack all three key target sets, soft and armored vehicles, and reinforced bunkers, out to ranges exceeding current 155mm family of artillery munitions.

The XM1066 155mm IR Illuminating Projectile (DODIC DA49) is fired from the M777 Lightweight Towed Howitzer using standard bagged propellant charges. The XM1066 is the same as the existing M485A2 155mm White Light Illuminating Projectile with the exception of an IR candle and aluminum ballast. The XM1066 is designed to match the physical properties of the M485A2 projectile in flight and to be handled logistically and fired like a typical 155mm projectile. With an optimal height of burst of 600 meters and the use of night vision devices a 2400 meter diameter of illumination, nearly three times that of the M485A2 visible light projectile.

FY12 Overseas Contingency Operations Request (OCO):

The Projectile, 155mm High Explosive (HE) M795 (DODIC D529) is fired from the 155mm M198 Howitzer and is compatible with the M777 Light Weight 155 Howitzer. It is used to provide conventional support fires and provides an increase in range, lethality, and accuracy. Lack of funding to replace training expenditures will further erode the USMC's WRMR and training stockpile and negatively affect our ability to execute another MCO and/or prepare our Marines for war.

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy	Date: February 2011
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Appropriation / Budget Activity / Budget Sub Activity: 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 : Marine Corps Ammunition	P-1 Line Item Nomenclature: 1473 - Artillery, All Types
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ID Code (A=Service Ready, B=Not Service Ready) : A	Related Program Elements:
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Remarks:

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1473 - Artillery, All Types					Item Nomenclature: Artillery, All Types									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
1) D505, PROJ, 155MM, M485A2, ILLUM		-	-	-	-	-	-	-	-	19.972	-	-	0.000	-	-	-	-	-	0.000
† 1.1) D505 LOAD, ASSEMBLE & PACK (LAP) ⁽¹⁾	A	-	-	-	-	-	-	311.73	16,232	5.060	-	-	0.000	-	-	-	-	-	0.000
† 1.2) D505 PROJ MPTS (EA)	A	-	-	-	-	-	-	280.90	16,561	4.652	-	-	0.000	-	-	-	-	-	0.000
† 1.3) D505 UNIVERSAL LIFTING PLUG (EA)	A	-	-	-	-	-	-	8.84	16,629	0.147	-	-	0.000	-	-	-	-	-	0.000
† 1.4) D505 VL ILLUM CANISTER, 155MM	A	-	-	-	-	-	-	331.97	16,884	5.605	-	-	0.000	-	-	-	-	-	0.000
† 1.5) D505 GROMMET (EA)	A	-	-	-	-	-	-	6.26	16,773	0.105	-	-	0.000	-	-	-	-	-	0.000
† 1.6) D505 PARACHUTE MAIN, 155MM ILLUM	A	-	-	-	-	-	-	41.54	16,731	0.695	-	-	0.000	-	-	-	-	-	0.000
† 1.7) D505 DELAY ELEMENT	A	-	-	-	-	-	-	26.44	16,717	0.442	-	-	0.000	-	-	-	-	-	0.000
† 1.8) D505 CANISTER, MPTS ASSY	A	-	-	-	-	-	-	61.34	16,710	1.025	-	-	0.000	-	-	-	-	-	0.000
† 1.9) D505 PARACHUTE, MAIN SUPPORTS	A	-	-	-	-	-	-	3.96	66,667	0.264	-	-	0.000	-	-	-	-	-	0.000
† 1.10) D505 PARACHUTE, DROGUE SUPPORTS	A	-	-	-	-	-	-	2.41	34,025	0.082	-	-	0.000	-	-	-	-	-	0.000
† 1.11) D505 PARACHUTE, DROGUE ASSY	A	-	-	-	-	-	-	17.98	16,740	0.301	-	-	0.000	-	-	-	-	-	0.000
† 1.12) D505 CANISTER, BASE ASSY	A	-	-	-	-	-	-	17.93	16,676	0.299	-	-	0.000	-	-	-	-	-	0.000
1.13) D505 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	0.333	-	-	0.000	-	-	-	-	-	0.000
1.14) D505 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	0.012	-	-	0.000	-	-	-	-	-	0.000
1.15) D505 ACCEPTANCE TESTING	A	-	-	-	-	-	-	-	-	0.950	-	-	0.000	-	-	-	-	-	0.000

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1473 - Artillery, All Types					Item Nomenclature: Artillery, All Types									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
2) D529, PROJ, 155MM, M795 HE		-	-	-	-	-	26.522	-	-	30.552	-	-	17.380	-	-	57.003	-	-	74.383
† 2.1) D529 LOAD, ASSEMBLE & PACK (LAP) ⁽²⁾	A	-	-	-	110.74	47,183	5.225	113.00	48,699	5.503	115.47	18,576	2.145	115.47	63,099	7.286	115.47	81,675	9.431
† 2.2) D529 SUPPLEMENTAL CHARGES	A	-	-	-	6.00	48,167	0.289	40.00	49,675	1.987	25.89	18,965	0.491	25.89	64,349	1.666	25.89	83,314	2.157
† 2.3) D529 PLUG, SHOCK ATTENUATING M795	A	-	-	-	7.44	48,118	0.358	8.00	49,625	0.397	7.73	19,017	0.147	7.73	64,424	0.498	7.73	83,441	0.645
2.4) D529 TNT TYPE I FLAKE(LB) ⁽³⁾	A	-	-	-	-	-	2.509	-	-	3.011	-	-	7.077	-	-	24.040	-	-	31.117
2.5) D529 METAL PARTS M795 ⁽⁴⁾	A	-	-	-	-	-	16.219	-	-	17.832	-	-	6.613	-	-	22.464	-	-	29.077
† 2.6) D529 WOODEN PALLETS	A	-	-	-	69.59	6,136	0.427	71.99	6,334	0.456	73.63	2,417	0.178	73.63	8,203	0.604	73.63	10,620	0.782
2.7) D529 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.909	-	-	0.801	-	-	0.601	-	-	-	-	-	0.601
2.8) D529 ACCEPTANCE TESTING	A	-	-	-	-	-	0.586	-	-	0.565	-	-	0.128	-	-	0.445	-	-	0.573
3) D550, PROJ, 155MM, M110A2, SMOKE WP		-	-	-	-	-	30.096	-	-	-	-	-	5.000	-	-	-	-	-	5.000
† 3.1) D550 LOAD, ASSEMBLE & PACK (LAP)	A	-	-	-	256.30	44,717	11.461	-	-	-	271.23	5,383	1.460	-	-	-	271.23	5,383	1.460
† 3.2) D550 CASING PROJ BURSTER M1E1	A	-	-	-	57.74	45,601	2.633	-	-	-	70.03	5,483	0.384	-	-	-	70.03	5,483	0.384
† 3.3) D550 UNIVERSAL LIFTING PLUG	A	-	-	-	7.67	45,893	0.352	-	-	-	9.78	5,521	0.054	-	-	-	9.78	5,521	0.054
† 3.4) D550 CHG BSTR M54A1 ASSY	A	-	-	-	77.12	46,058	3.552	-	-	-	72.50	5,545	0.402	-	-	-	72.50	5,545	0.402
† 3.5) D550 METAL PARTS, M110	A	-	-	-	239.19	45,613	10.910	-	-	-	291.02	5,488	1.597	-	-	-	291.02	5,488	1.597
† 3.6) D550 COMP B TYPE I GRADE A	A	-	-	-	-	-	-	-	-	-	19.93	3,713	0.074	-	-	-	19.93	3,713	0.074
† 3.7) D550 GROMMET, HE SMOKE	A	-	-	-	1.98	45,959	0.091	-	-	-	2.01	5,473	0.011	-	-	-	2.01	5,473	0.011

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity:					P-1 Line Item Nomenclature:					Item Nomenclature:									
1508N / BA 2 / BSA 1					1473 - Artillery, All Types					Artillery, All Types									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
3.8) D550 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.433	-	-	-	-	-	0.801	-	-	-	-	-	0.801
3.9) D550 QUALITY ASSURANCE	A	-	-	-	-	-	0.014	-	-	-	-	-	0.005	-	-	-	-	-	0.005
3.10) D550 ACCEPTANCE TESTING	A	-	-	-	-	-	0.600	-	-	-	-	-	0.212	-	-	-	-	-	0.212
3.11) D550 NON RECURRING COSTS	A	-	-	-	-	-	0.050	-	-	-	-	-	0.000	-	-	-	-	-	0.000
4) DA12, CHG, 155MM, M231, MOD ARTY CHG SYS		-	-	-	-	-	38.285	-	-	24.571	-	-	7.578	-	-	-	-	-	7.578
† 4.1) DA12 LOAD, ASSEMBLE & PACK (LAP) ⁽⁵⁾	A	-	-	-	15.72	394,465	6.202	16.36	262,041	4.287	17.36	70,737	1.228	-	-	-	17.36	70,737	1.228
† 4.2) DA12 IGNITION PROPELLANT, MACS	A	-	-	-	8.66	25,057	0.217	7.79	16,816	0.131	9.28	4,526	0.042	-	-	-	9.28	4,526	0.042
† 4.3) DA12 COMBUSTIBLE CASES	A	-	-	-	29.05	402,935	11.705	27.39	269,880	7.392	32.24	72,891	2.350	-	-	-	32.24	72,891	2.350
† 4.4) DA12 BLACK POWDER, M231	A	-	-	-	13.50	23,777	0.321	14.03	15,681	0.220	13.98	4,220	0.059	-	-	-	13.98	4,220	0.059
† 4.5) DA12 PROPELLANT, PAPP7993	A	-	-	-	10.70	1,383K	14.799	11.43	917,148	10.483	11.39	247,761	2.822	-	-	-	11.39	247,761	2.822
† 4.6) DA12 CONTAINER M231	A	-	-	-	39.19	100,765	3.949	41.57	25,908	1.077	42.46	18,394	0.781	-	-	-	42.46	18,394	0.781
4.7) DA12 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.643	-	-	0.498	-	-	0.203	-	-	-	-	-	0.203
4.8) DA12 ACCEPTANCE TESTING	A	-	-	-	-	-	0.449	-	-	0.483	-	-	0.093	-	-	-	-	-	0.093
5) DA13, CHG, 155MM, M232A1, MOD ARTY CHG SYS		-	-	-	-	-	44.841	-	-	31.913	-	-	12.568	-	-	-	-	-	12.568
† 5.1) DA13 LOAD, ASSEMBLE & PACK (LAP) ⁽⁶⁾	A	-	-	-	19.65	366,361	7.199	20.42	246,963	5.043	20.72	88,707	1.838	-	-	-	20.72	88,707	1.838
† 5.2) DA13 IGNITION PROPELLANT	A	-	-	-	8.66	23,441	0.203	7.79	15,789	0.123	9.28	5,711	0.053	-	-	-	9.28	5,711	0.053

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1473 - Artillery, All Types					Item Nomenclature: Artillery, All Types									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
† 5.3) DA13 COMBUSTIBLE CASES	A	-	-	-	31.25	377,349	11.794	30.33	254,402	7.716	32.84	91,352	3.000	-	-	-	32.84	91,352	3.000
† 5.4) DA13 BLACK POWDER CLASS 1 (LB)	A	-	-	-	13.50	22,667	0.306	14.03	14,825	0.208	13.98	5,293	0.074	-	-	-	13.98	5,293	0.074
5.5) DA13 PROPELLANT M31A2 (7)	A	-	-	-	-	-	21.805	-	-	15.400	-	-	6.142	-	-	-	-	-	6.142
† 5.6) DA13 CONTAINER M232A1	A	-	-	-	40.69	72,671	2.957	44.82	51,852	2.324	42.46	18,629	0.791	-	-	-	42.46	18,629	0.791
5.7) DA13 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.574	-	-	0.550	-	-	0.365	-	-	-	-	-	0.365
5.8) DA13 ACCEPTANCE TESTING	A	-	-	-	-	-	0.003	-	-	0.549	-	-	0.305	-	-	-	-	-	0.305
6) DA45 155MM, XM982, EXCALIBUR		-	-	-	-	-	-	-	-	90.533	-	-	0.000	-	-	-	-	-	0.000
† 6.1) DA45 COMPLETE ROUND	A	-	-	-	-	-	-	86,617.00	855	74.058	-	-	0.000	-	-	-	-	-	0.000
† 6.2) DA45 CONTAINER SYSTEM	A	-	-	-	-	-	-	1,200.00	855	1.026	-	-	0.000	-	-	-	-	-	0.000
6.3) DA45 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	13.100	-	-	0.000	-	-	-	-	-	0.000
6.4) DA45 ACCEPTANCE TESTING	A	-	-	-	-	-	-	-	-	2.349	-	-	0.000	-	-	-	-	-	0.000
7) DA49, 155MM, IR ILLUM		-	-	-	-	-	-	-	-	10.000	-	-	0.000	-	-	-	-	-	0.000
† 7.1) DA49 LOAD, ASSEMBLE & PACK (LAP)	A	-	-	-	-	-	-	311.73	8,536	2.661	-	-	0.000	-	-	-	-	-	0.000
† 7.2) DA49 PROJ BODY 155MM M485	A	-	-	-	-	-	-	280.91	8,707	2.446	-	-	0.000	-	-	-	-	-	0.000
† 7.3) DA49 UNIVERSAL LIFTING PLUG(EA)	A	-	-	-	-	-	-	8.84	8,710	0.077	-	-	0.000	-	-	-	-	-	0.000
† 7.4) DA49 IR ILLUM CANISTER, 155MM	A	-	-	-	-	-	-	331.97	8,877	2.947	-	-	0.000	-	-	-	-	-	0.000
† 7.5) DA49 GROMMET(EA)	A	-	-	-	-	-	-	6.26	8,786	0.055	-	-	0.000	-	-	-	-	-	0.000

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Exhibit P-5, Cost Analysis : PB 2012 Navy													Date: February 2011						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1						P-1 Line Item Nomenclature: 1473 - Artillery, All Types						Item Nomenclature: Artillery, All Types							

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
† 7.6) DA49 PARACHUTE, MAIN	A	-	-	-	-	-	-	3.96	8,586	0.034	-	-	0.000	-	-	-	-	-	0.000
† 7.7) DA49 DELAY ELEMENT	A	-	-	-	-	-	-	26.44	8,775	0.232	-	-	0.000	-	-	-	-	-	0.000
† 7.8) DA49 CANISTER, MPTS ASSY	A	-	-	-	-	-	-	61.34	8,787	0.539	-	-	0.000	-	-	-	-	-	0.000
† 7.9) DA49 PARACHUTE, MAIN SUPPORTS	A	-	-	-	-	-	-	3.96	35,101	0.139	-	-	0.000	-	-	-	-	-	0.000
† 7.10) DA49 PARACHUTE, DROGUE SUPPORTS	A	-	-	-	-	-	-	2.41	17,842	0.043	-	-	0.000	-	-	-	-	-	0.000
† 7.11) DA49 PARACHUTE, DROGUE ASSY	A	-	-	-	-	-	-	17.98	8,788	0.158	-	-	0.000	-	-	-	-	-	0.000
† 7.12) DA49 CANISTER, BASE ASSY	A	-	-	-	-	-	-	17.93	8,812	0.158	-	-	0.000	-	-	-	-	-	0.000
7.13) DA49 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	0.010	-	-	0.000	-	-	-	-	-	0.000
7.14) DA49 ACCEPTANCE TESTING	A	-	-	-	-	-	-	-	-	0.501	-	-	0.000	-	-	-	-	-	0.000
Gross/Weapon System Cost		-	-	-	-	-	139.744	-	-	207.541	-	-	42.526	-	-	57.003	-	-	99.529
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	-	-	-	139.744	-	-	207.541	-	-	42.526	-	-	57.003	-	-	99.529
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	-	-	-	139.744	-	-	207.541	-	-	42.526	-	-	57.003	-	-	99.529
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:
 (1)CE 1.1, D505: "The Army provided FY10 Prior Year total quantity of 63,000. They did not provide the cost and the break out by year."
 (2)CE 2.1, D529: No PY data provided by the Army
 (3)CE 2.4, D529 Quantities and Unit Cost:
 FY10 Baseline Qty = 520,464, U/C = 4.74; FY10 OCO Qty = 8,861, U/C = 4.74
 FY11 Baseline Qty = 670,270, U/C = 4.44; FY11 OCO Qty = 7,883, U/C = 4.44
 FY12 Baseline Qty = 557,244, U/C = 12.70; FY12 OCO Qty = 1,892,913, U/C = 12.70
 (4)CE 2.5, D529 Quantities and Unit Cost:
 FY10 Baseline Qty = 17,698, U/C = 336.98; FY10 OCO Qty = 30,432, U/C = 336.98

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Exhibit P-5, Cost Analysis : PB 2012 Navy		Date: February 2011
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1	P-1 Line Item Nomenclature: 1473 - Artillery, All Types	Item Nomenclature: Artillery, All Types
<p>FY11 Baseline Qty = 22,791, U/C = 359.00; FY11 OCO Qty = 26,880, U/C = 359.00 FY12 Baseline Qty = 18,946, U/C = 349.04; FY12 OCO Qty = 64,359, U/C = 349.04 (5)CE 4.1, DA12: The Army provided FY10 Prior Year total quantity of 63,000. They did not provide the cost and the break out by year. (6)CE 5.1, DA13: "The Army provided FY10 Prior Year total quantity of 683,400. They did not provide the cost and the break out by year." (7)CE 5.5, DA13 Quantities and Unit Cost: FY10 Baseline Qty = 897,759, U/C = 12.94; FY10 OCO Qty = 762,004, U/C = 13.37 FY11 Baseline Qty = 841,139, U/C = 12.47; FY11 OCO Qty = 393,825, U/C = 12.47 FY12 Baseline Qty = 443,786, U/C/ = 13.84</p>		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1473 - Artillery, All Types					Item Nomenclature: Artillery, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1.1) D505 LOAD, ASSEMBLE & PACK (LAP)		2011	PINE BLUFF ARSENAL / PINE BLUFF, AR	C / TBD	ROCK ISLAND ARSENAL, IL	Feb 2011	Feb 2013	10,089	311.73	Y		
1.1) D505 LOAD, ASSEMBLE & PACK (LAP)	Y	2011	PINE BLUFF ARSENAL / PINE BLUFF, AR	C / TBD	ROCK ISLAND ARSENAL, IL	Feb 2011	Feb 2013	6,143	311.73	Y		
1.2) D505 PROJ MPTS (EA)		2011	IMT CORPORATION / INGERSOLL, CANADA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	10,292	280.91	Y		
1.2) D505 PROJ MPTS (EA)	Y	2011	IMT DEFENSE CORP / WESTERVILLE, OH	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	6,269	280.91	Y		
1.3) D505 UNIVERSAL LIFTING PLUG (EA)		2011	CORONET MACHINERY / BETHEL, CT	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	10,294	8.84	Y		
1.3) D505 UNIVERSAL LIFTING PLUG (EA)	Y	2011	CORONET MACHINERY / BETHEL, CT	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	6,335	8.84	Y		
1.4) D505 VL ILLUM CANISTER, 155MM		2011	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	C / TBD	ROCK ISLAND ARSENAL, IL	Feb 2011	Sep 2012	10,495	331.97	Y		
1.4) D505 VL ILLUM CANISTER, 155MM	Y	2011	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	C / TBD	ROCK ISLAND ARSENAL, IL	Feb 2011	Sep 2012	6,389	331.97	Y		
1.5) D505 GROMMET (EA)		2011	LC INDUSTRIES / HAZELHURST, MS	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	10,383	6.26	Y		
1.5) D505 GROMMET (EA)	Y	2011	LC INDUSTRIES / HAZELHURST, MS	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	6,390	6.26	Y		
1.6) D505 PARACHUTE MAIN, 155MM ILLUM		2011	NORTH AMERICAN AERODYNAMICS, INC / ROXBORO, NC	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	10,400	41.54	Y		
1.6) D505 PARACHUTE MAIN, 155MM ILLUM	Y	2011	NORTH AMERICAN AERODYNAMICS, INC / ROXBORO, NC	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	6,331	41.54	Y		
1.7) D505 DELAY ELEMENT		2011	SECURITY SIGNALS / CORDOVA, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	10,401	26.44	Y		
1.7) D505 DELAY ELEMENT	Y	2011	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	6,316	26.44	Y		
1.8) D505 CANISTER, MPTS ASSY		2011	WOODLAWN LLC MFG / MARSHALL, TX	C / FFP	** NO PCO **	Mar 2011	Sep 2012	10,385	61.34	Y		
1.8) D505 CANISTER, MPTS ASSY	Y	2011	WOODLAWN LLC MFG / MARSHALL, TX	C / FFP	** NO PCO **	Mar 2011	Sep 2012	6,325	61.34	Y		
1.9) D505 PARACHUTE, MAIN SUPPORTS		2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	41,414	3.96	Y		
1.9) D505 PARACHUTE, MAIN SUPPORTS	Y	2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	25,253	3.96	Y		
1.10) D505 PARACHUTE, DROGUE SUPPORTS		2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	21,162	2.41	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1473 - Artillery, All Types					Item Nomenclature: Artillery, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1.10) D505 PARACHUTE, DROGUE SUPPORTS	Y	2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	12,863	2.41	Y		
1.11) D505 PARACHUTE, DROGUE ASSY		2011	NORTH AMERICAN AERODYNAMICS, INC / ROXBORO, NC	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	10,400	17.98	Y		
1.11) D505 PARACHUTE, DROGUE ASSY	Y	2011	NORTH AMERICAN AERODYNAMICS, INC / ROXBORO, NC	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	6,340	17.98	Y		
1.12) D505 CANISTER, BASE ASSY		2011	WOODLAWN LLC MFG / MARSHALL, TX	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	10,374	17.93	Y		
1.12) D505 CANISTER, BASE ASSY	Y	2011	WOODLAWN LLC MFG / MARSHALL, TX	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	6,302	17.93	Y		
2.1) D529 LOAD, ASSEMBLE & PACK (LAP)		2010	AMERICAN ORDNANCE / MIDDLETOWN, IA	C / FFP	PICATINNY ARSENAL, NJ	Mar 2010	Mar 2012	17,347	110.74	Y		
2.1) D529 LOAD, ASSEMBLE & PACK (LAP)	Y	2010	AMERICAN ORDNANCE / MIDDLETOWN, IA	C / FFP	PICATINNY ARSENAL, NJ	Mar 2010	Mar 2012	29,836	110.74	Y		
2.1) D529 LOAD, ASSEMBLE & PACK (LAP)		2011	AMERICAN ORDNANCE / MIDDLETOWN, IA	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Mar 2013	22,345	113.00	Y		
2.1) D529 LOAD, ASSEMBLE & PACK (LAP)	Y	2011	AMERICAN ORDNANCE / MIDDLETOWN, IA	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Mar 2013	26,354	113.00	Y		
2.1) D529 LOAD, ASSEMBLE & PACK (LAP)		2012	AMERICAN ORDNANCE / MIDDLETOWN, IA	C / FFP	PICATINNY ARSENAL, NJ	Mar 2012	Mar 2014	18,576	115.47	Y		
2.1) D529 LOAD, ASSEMBLE & PACK (LAP)	Y	2012	AMERICAN ORDNANCE / MIDDLETOWN, IA	C / FFP	PICATINNY ARSENAL, NJ	Mar 2012	Mar 2014	63,099	115.47	Y		
2.2) D529 SUPPLEMENTAL CHARGES		2010	MCALESTER AAP / MCALESTER, OK	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2010	Sep 2011	17,667	6.00	Y		
2.2) D529 SUPPLEMENTAL CHARGES	Y	2010	MCALESTER AAP / MCALESTER, OK	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2010	Sep 2011	30,500	6.00	Y		
2.2) D529 SUPPLEMENTAL CHARGES		2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	22,800	40.00	Y		
2.2) D529 SUPPLEMENTAL CHARGES	Y	2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	26,875	40.00	Y		
2.2) D529 SUPPLEMENTAL CHARGES		2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Sep 2013	18,965	25.89	Y		
2.2) D529 SUPPLEMENTAL CHARGES	Y	2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Sep 2013	64,349	25.89	Y		
2.3) D529 PLUG, SHOCK ATTENUATING M795		2010	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Mar 2012	17,742	7.44	Y		
2.3) D529 PLUG, SHOCK ATTENUATING M795	Y	2010	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Mar 2012	30,376	7.44	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1473 - Artillery, All Types					Item Nomenclature: Artillery, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
2.3) D529 PLUG, SHOCK ATTENUATING M795		2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	22,750	8.00	Y		
2.3) D529 PLUG, SHOCK ATTENUATING M795	Y	2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	26,875	8.00	Y		
2.3) D529 PLUG, SHOCK ATTENUATING M795		2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Sep 2013	19,017	7.73	Y		
2.3) D529 PLUG, SHOCK ATTENUATING M795	Y	2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Sep 2013	64,424	7.73	Y		
2.6) D529 WOODEN PALLETS		2010	KNOX CNTY ASSOC RETARDED CITIZENS / VINCENNES, IN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2010	Sep 2011	2,256	69.58	Y		
2.6) D529 WOODEN PALLETS	Y	2010	KNOX CNTY ASSOC RETARDED CITIZENS / VINCENNES, IN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2010	Sep 2011	3,880	69.58	Y		
2.6) D529 WOODEN PALLETS		2011	KNOX CNTY ASSOC RETARDED CITIZENS / VINCENNES, IN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Sep 2012	2,903	72.00	Y		
2.6) D529 WOODEN PALLETS	Y	2011	KNOX CNTY ASSOC RETARDED CITIZENS / VINCENNES, IN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Sep 2012	3,431	72.00	Y		
2.6) D529 WOODEN PALLETS		2012	KNOX CNTY ASSOC RETARDED CITIZENS / VINCENNES, IN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2012	Sep 2013	2,417	73.63	Y		
2.6) D529 WOODEN PALLETS	Y	2012	KNOX CNTY ASSOC RETARDED CITIZENS / VINCENNES, IN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2012	Sep 2013	8,203	73.63	Y		
3.1) D550 LOAD, ASSEMBLE & PACK (LAP)		2010	PINE BLUFF ARSENAL / PINE BLUFF, AR	C / TBD	ROCK ISLAND ARSENAL, IL	Jan 2010	Jan 2012	23,543	256.30	Y		
3.1) D550 LOAD, ASSEMBLE & PACK (LAP)	Y	2010	PINE BLUFF ARSENAL / PINE BLUFF, AR	C / TBD	ROCK ISLAND ARSENAL, IL	Jan 2010	Jan 2012	21,174	256.30	Y		
3.1) D550 LOAD, ASSEMBLE & PACK (LAP)		2012	PINE BLUFF ARSENAL / PINE BLUFF, AR	C / TBD	ROCK ISLAND ARSENAL, IL	Jan 2012	Jan 2014	5,383	271.23	Y		
3.2) D550 CASING PROJ BURSTER M1E1		2010	GENRAL DYNAMICS OTS / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2010	Sep 2011	24,004	57.74	Y		
3.2) D550 CASING PROJ BURSTER M1E1	Y	2010	GENRAL DYNAMICS OTS / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2010	Sep 2011	21,597	57.74	Y		
3.2) D550 CASING PROJ BURSTER M1E1		2012	GENRAL DYNAMICS OTS / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Sep 2013	5,483	70.03	Y		
3.3) D550 UNIVERSAL LIFTING PLUG		2010	CORONET MACHINERY / BETHEL, CT	C / TBD	ROCK ISLAND ARSENAL, IL	Apr 2010	Sep 2010	24,250	7.67	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1473 - Artillery, All Types					Item Nomenclature: Artillery, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
3.3) D550 UNIVERSAL LIFTING PLUG	Y	2010	CORONET MACHINERY / BETHEL, CT	C / TBD	ROCK ISLAND ARSENAL, IL	Apr 2010	Sep 2010	21,643	7.67	Y		
3.3) D550 UNIVERSAL LIFTING PLUG		2012	CORONET MACHINERY / BETHEL, CT	C / TBD	ROCK ISLAND ARSENAL, IL	Mar 2012	Sep 2013	5,521	9.78	Y		
3.4) D550 CHG BSTR M54A1 ASSY		2010	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	C / TBD	ROCK ISLAND ARSENAL, IL	Jul 2010	Nov 2011	24,248	77.12	Y		
3.4) D550 CHG BSTR M54A1 ASSY	Y	2010	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	C / TBD	ROCK ISLAND ARSENAL, IL	Jul 2010	Nov 2011	21,810	77.12	Y		
3.4) D550 CHG BSTR M54A1 ASSY		2012	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	C / TBD	ROCK ISLAND ARSENAL, IL	Mar 2012	Nov 2013	5,545	72.50	Y		
3.5) D550 METAL PARTS, M110		2010	GENRAL DYNAMICS OTS / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2010	Sep 2011	24,011	244.35	Y		
3.5) D550 METAL PARTS, M110	Y	2010	GENRAL DYNAMICS OTS / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2010	Sep 2011	21,602	233.45	Y		
3.5) D550 METAL PARTS, M110		2012	GENRAL DYNAMICS OTS / SCRANTON, PA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Sep 2013	5,488	291.02	Y		
3.6) D550 COMP B TYPE I GRADE A		2012	BAE ORDNANCE SYSTEMS / KINGSPOUR, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Mar 2013	3,713	19.93	Y		
3.7) D550 GROMMET, HE SMOKE		2010	LC INDUSTRIES / HAZELHURST, MS	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2010	Jul 2011	24,242	1.98	Y		
3.7) D550 GROMMET, HE SMOKE	Y	2010	LC INDUSTRIES / HAZELHURST, MS	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2010	Jul 2011	21,717	1.98	Y		
3.7) D550 GROMMET, HE SMOKE		2012	LC INDUSTRIES / HAZELHURST, MS	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Jul 2013	5,473	2.01	Y		
4.1) DA12 LOAD, ASSEMBLE & PACK (LAP)		2010	GENERAL DYNAMICS ATP / HAMPTON, AR	C / FFP	PICATINNY ARSENAL, NJ	Mar 2010	Mar 2012	53,971	15.36	Y		
4.1) DA12 LOAD, ASSEMBLE & PACK (LAP)	Y	2010	GENERAL DYNAMICS ATP / HAMPTON, AR	C / FFP	PICATINNY ARSENAL, NJ	Mar 2010	Mar 2012	340,494	15.78	Y		
4.1) DA12 LOAD, ASSEMBLE & PACK (LAP)		2011	GENERAL DYNAMICS ATP / HAMPTON, AR	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Mar 2013	211,858	16.36	Y		
4.1) DA12 LOAD, ASSEMBLE & PACK (LAP)	Y	2011	GENERAL DYNAMICS ATP / HAMPTON, AR	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Mar 2013	50,183	16.36	Y		
4.1) DA12 LOAD, ASSEMBLE & PACK (LAP)		2012	GENERAL DYNAMICS ATP / HAMPTON, AR	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2012	Mar 2014	70,737	17.36	Y		
4.2) DA12 IGNITION PROPELLANT, MACS		2010	ST MARKS POWDER INC / CRAWFORDVILLE, FL	C / FFP	PICATINNY ARSENAL, NJ	Jan 2011	Jan 2012	3,233	8.66	Y		
4.2) DA12 IGNITION PROPELLANT, MACS	Y	2010	ST MARKS POWDER INC / CRAWFORDVILLE, FL	C / FFP	PICATINNY ARSENAL, NJ	Jan 2011	Jan 2012	21,824	8.66	Y		
4.2) DA12 IGNITION PROPELLANT, MACS		2011	ST MARKS POWDER INC / CRAWFORDVILLE, FL	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Mar 2012	13,607	7.79	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1473 - Artillery, All Types					Item Nomenclature: Artillery, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
4.2) DA12 IGNITION PROPELLANT, MACS	Y	2011	ST MARKS POWDER INC / CRAWFORDVILLE, FL	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Mar 2012	3,209	7.79	Y		
4.2) DA12 IGNITION PROPELLANT, MACS		2012	ST MARKS POWDER INC / CRAWFORDVILLE, FL	C / FFP	PICATINNY ARSENAL, NJ	Mar 2012	Mar 2013	4,526	9.28	Y		
4.3) DA12 COMBUSTIBLE CASES		2010	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FFP	PICATINNY ARSENAL, NJ	Jul 2010	Jan 2012	55,615	26.36	Y		
4.3) DA12 COMBUSTIBLE CASES	Y	2010	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FFP	PICATINNY ARSENAL, NJ	Jul 2010	Jan 2012	347,320	29.48	Y		
4.3) DA12 COMBUSTIBLE CASES		2011	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Sep 2012	218,182	27.39	Y		
4.3) DA12 COMBUSTIBLE CASES	Y	2011	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Sep 2012	51,698	27.39	Y		
4.3) DA12 COMBUSTIBLE CASES		2012	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FFP	PICATINNY ARSENAL, NJ	Mar 2012	Sep 2013	72,891	32.24	Y		
4.4) DA12 BLACK POWDER, M231		2010	GOEX INC / MINDEN, LA	SS / FFP	ROCK ISLAND ARSENAL, IL	Mar 2010	Sep 2011	3,333	13.50	Y		
4.4) DA12 BLACK POWDER, M231	Y	2010	GOEX INC / MINDEN, LA	SS / FFP	ROCK ISLAND ARSENAL, IL	Mar 2010	Sep 2011	20,444	13.50	Y		
4.4) DA12 BLACK POWDER, M231		2011	GOEX INC / MINDEN, LA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	12,687	14.03	Y		
4.4) DA12 BLACK POWDER, M231	Y	2011	GOEX INC / MINDEN, LA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	2,994	14.03	Y		
4.4) DA12 BLACK POWDER, M231		2012	GOEX INC / MINDEN, LA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Sep 2013	4,220	13.98	Y		
4.5) DA12 PROPELLANT, PAPP7993		2010	ATK ENERGETIC SYS / RADFORD, VA	SS / FFP	ROCK ISLAND ARSENAL, IL	Mar 2010	Nov 2011	203,002	9.66	Y		
4.5) DA12 PROPELLANT, PAPP7993	Y	2010	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2010	Nov 2011	1,180K	10.88	Y		
4.5) DA12 PROPELLANT, PAPP7993		2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Nov 2012	741,470	11.43	Y		
4.5) DA12 PROPELLANT, PAPP7993	Y	2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Nov 2012	175,678	11.43	Y		
4.5) DA12 PROPELLANT, PAPP7993		2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Nov 2013	247,761	11.39	Y		
4.6) DA12 CONTAINER M231		2010	CONCO, INC / LOUISVILLE, KY	C / IDIQ	ROCK ISLAND ARSENAL, IL	Jun 2010	Jun 2011	13,927	41.00	Y		
4.6) DA12 CONTAINER M231	Y	2010	CONCO, INC / LOUISVILLE, KY	C / IDIQ	ROCK ISLAND ARSENAL, IL	Jun 2010	Jun 2011	86,838	38.90	Y		
4.6) DA12 CONTAINER M231		2011	TO BE SELECTED / UNKNOWN	TBD	ROCK ISLAND ARSENAL, IL	Mar 2011	Mar 2012	12,870	41.57	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1473 - Artillery, All Types					Item Nomenclature: Artillery, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
4.6) DA12 CONTAINER M231	Y	2011	TO BE SELECTED / UNKNOWN	TBD	ROCK ISLAND ARSENAL, IL	Mar 2011	Mar 2012	13,038	41.57	Y		
4.6) DA12 CONTAINER M231		2012	TO BE SELECTED / UNKNOWN	TBD	ROCK ISLAND ARSENAL, IL	Mar 2012	Mar 2013	18,394	42.46	Y		
5.1) DA13 LOAD, ASSEMBLE & PACK (LAP)		2010	GENERAL DYNAMICS ATP / HAMPTON, AR	C / FFP	PICATINNY ARSENAL, NJ	Jul 2010	Jan 2013	193,842	19.65	Y		
5.1) DA13 LOAD, ASSEMBLE & PACK (LAP)	Y	2010	GENERAL DYNAMICS ATP / HAMPTON, AR	C / FFP	PICATINNY ARSENAL, NJ	Jul 2010	Jan 2013	172,519	19.65	Y		
5.1) DA13 LOAD, ASSEMBLE & PACK (LAP)		2011	TO BE SELECTED / UNKNOWN	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2011	Mar 2013	168,217	20.42	Y		
5.1) DA13 LOAD, ASSEMBLE & PACK (LAP)	Y	2011	TO BE SELECTED / UNKNOWN	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2011	Mar 2013	78,746	20.42	Y		
5.1) DA13 LOAD, ASSEMBLE & PACK (LAP)		2012	TO BE SELECTED / UNKNOWN	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2012	Mar 2014	88,707	20.72	Y		
5.2) DA13 IGNITION PROPELLANT		2010	ST MARKS POWDER INC / CRAWFORDVILLE, FL	C / FFP	PICATINNY ARSENAL, NJ	Jan 2011	Jan 2012	12,356	8.66	Y		
5.2) DA13 IGNITION PROPELLANT	Y	2010	ST MARKS POWDER INC / CRAWFORDVILLE, FL	C / FFP	PICATINNY ARSENAL, NJ	Jan 2011	Jan 2012	11,085	8.66	Y		
5.2) DA13 IGNITION PROPELLANT		2011	ST MARKS POWDER INC / CRAWFORDVILLE, FL	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Mar 2012	10,783	7.79	Y		
5.2) DA13 IGNITION PROPELLANT	Y	2011	ST MARKS POWDER INC / CRAWFORDVILLE, FL	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Mar 2012	5,006	7.79	Y		
5.2) DA13 IGNITION PROPELLANT		2012	ST MARKS POWDER INC / CRAWFORDVILLE, FL	C / FFP	PICATINNY ARSENAL, NJ	Mar 2012	Mar 2013	5,711	9.28	Y		
5.3) DA13 COMBUSTIBLE CASES		2010	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FFP	PICATINNY ARSENAL, NJ	Jul 2010	Jan 2012	199,649	28.50	Y		
5.3) DA13 COMBUSTIBLE CASES	Y	2010	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FFP	PICATINNY ARSENAL, NJ	Jul 2010	Jan 2012	177,700	34.35	Y		
5.3) DA13 COMBUSTIBLE CASES		2011	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Sep 2012	173,261	30.33	Y		
5.3) DA13 COMBUSTIBLE CASES	Y	2011	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Sep 2012	81,141	30.33	Y		
5.3) DA13 COMBUSTIBLE CASES		2012	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FFP	PICATINNY ARSENAL, NJ	Mar 2012	Sep 2013	91,352	32.84	Y		
5.4) DA13 BLACK POWDER CLASS 1 (LB)		2010	GOEX INC / MINDEN, LA	SS / FFP	ROCK ISLAND ARSENAL, IL	Mar 2010	Sep 2011	12,148	13.50	Y		
5.4) DA13 BLACK POWDER CLASS 1 (LB)	Y	2010	GOEX INC / MINDEN, LA	SS / FFP	ROCK ISLAND ARSENAL, IL	Mar 2010	Sep 2011	10,519	13.50	Y		
5.4) DA13 BLACK POWDER CLASS 1 (LB)		2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	10,121	14.03	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1473 - Artillery, All Types					Item Nomenclature: Artillery, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
5.4) DA13 BLACK POWDER CLASS 1 (LB)	Y	2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	4,704	14.03	Y		
5.4) DA13 BLACK POWDER CLASS 1 (LB)		2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Sep 2013	5,293	13.98	Y		
5.6) DA13 CONTAINER M232A1		2010	Delfasco Inc. / Afton, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Jul 2010	Jul 2011	39,936	40.69	Y		
5.6) DA13 CONTAINER M232A1	Y	2010	Delfasco Inc. / Afton, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Jul 2010	Jul 2011	32,735	40.69	Y		
5.6) DA13 CONTAINER M232A1		2011	Delfasco Inc. / Afton, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2011	Mar 2012	35,319	44.82	Y		
5.6) DA13 CONTAINER M232A1	Y	2011	Delfasco Inc. / Afton, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2011	Mar 2012	16,533	44.82	Y		
5.6) DA13 CONTAINER M232A1		2012	Delfasco Inc. / Afton, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2012	Mar 2013	18,629	42.46	Y		
6.1) DA45 COMPLETE ROUND	Y	2011	Raytheon Missile Systems / Tucson, AZ	SS / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Apr 2012	855	86,617.00	Y		
6.2) DA45 CONTAINER SYSTEM	Y	2011	CONCO, INC / LOUISVILLE, KY	SS / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Dec 2011	855	1,200.00	Y		
7.1) DA49 LOAD, ASSEMBLE & PACK (LAP)	Y	2011	PINE BLUFF ARSENAL / PINE BLUFF, AR	C / TBD	ROCK ISLAND ARSENAL, IL	Feb 2011	Jan 2013	8,536	311.73	Y		
7.2) DA49 PROJ BODY 155MM M485	Y	2011	IMT DEFENSE CORP / WESTERVILLE, OH	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	8,707	280.91	Y		
7.3) DA49 UNIVERSAL LIFTING PLUG(EA)	Y	2011	CORONET MACHINERY / BETHEL, CT	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	8,710	8.84	Y		
7.4) DA49 IR ILLUM CANISTER, 155MM	Y	2011	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	C / TBD	ROCK ISLAND ARSENAL, IL	Feb 2011	Sep 2012	8,877	331.97	Y		
7.5) DA49 GROMMET(EA)	Y	2011	LC INDUSTRIES / HAZELHURST, MS	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	8,786	6.26	Y		
7.6) DA49 PARACHUTE, MAIN	Y	2011	NORTH AMERICAN AERODYNAMICS, INC / ROXBORO, NC	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	8,586	3.96	Y		
7.7) DA49 DELAY ELEMENT	Y	2011	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	C / TBD	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	8,775	26.44	Y		
7.8) DA49 CANISTER, MPTS ASSY	Y	2011	WOODLAWN LLC MFG / MARSHALL, TX	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	8,787	61.34	Y		
7.9) DA49 PARACHUTE, MAIN SUPPORTS	Y	2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	35,101	3.96	Y		
7.10) DA49 PARACHUTE, DROGUE SUPPORTS	Y	2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	17,842	2.41	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1	P-1 Line Item Nomenclature: 1473 - Artillery, All Types	Item Nomenclature: Artillery, All Types
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Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
7.11) DA49 PARACHUTE, DROGUE ASSY	Y	2011	NORTH AMERICAN AERODYNAMICS, INC / ROXBORO, NC	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	8,788	17.98	Y		
7.12) DA49 CANISTER, BASE ASSY	Y	2011	WOODLAWN LLC MFG / MARSHALL, TX	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Sep 2012	8,812	17.93	Y		

Remarks:

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy																							Date: February 2011								
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1							P-1 Line Item Nomenclature: 1473 - Artillery, All Types										Item Nomenclature: Artillery, All Types														
COST ELEMENTS Units in Thousands							Fiscal Year 2010										Fiscal Year 2011														
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2010												Calendar Year 2011												Later
							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	
2.1) D529 LOAD, ASSEMBLE & PACK (LAP)																															
	26	2010	Navy	17.35	-	17.35	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.35	
x	26	2010	Navy	29.84	-	29.84	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.84	
	26	2011	Navy	22.35	-	22.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	22.35	
x	26	2011	Navy	26.35	-	26.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	26.35	
	26	2012	Navy	18.58	-	18.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.58	
x	26	2012	Navy	63.1	-	63.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63.1	
3.1) D550 LOAD, ASSEMBLE & PACK (LAP)																															
	27	2010	Navy	23.54	-	23.54	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.54	
x	27	2010	Navy	21.17	-	21.17	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.17	
	27	2012	Navy	5.383	-	5.383	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.383	
4.1) DA12 LOAD, ASSEMBLE & PACK (LAP)																															
	28	2010	Navy	53.97	-	53.97	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.97	
x	28	2010	Navy	340.5	-	340.5	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	340.5	
	28	2011	Navy	211.9	-	211.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	211.9	
x	28	2011	Navy	50.18	-	50.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	50.18	
	28	2012	Navy	70.74	-	70.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70.74	
5.1) DA13 LOAD, ASSEMBLE & PACK (LAP)																															
	29	2010	Navy	193.8	-	193.8	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	193.8	
x	29	2010	Navy	172.5	-	172.5	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	172.5	
	30	2011	Navy	168.2	-	168.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	168.2	
x	30	2011	Navy	78.75	-	78.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	78.75	
	30	2012	Navy	88.71	-	88.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88.71	
							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	

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1473 - Artillery, All Types **Item Nomenclature:** Artillery, All Types

COST ELEMENTS Units in Thousands						Fiscal Year 2014													Fiscal Year 2015																				
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2014													Calendar Year 2015													Later						
							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									
2.1) D529 LOAD, ASSEMBLE & PACK (LAP)																																							
	26	2010	Navy	17.35	17.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
x	26	2010	Navy	29.84	29.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	26	2011	Navy	22.35	22.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
x	26	2011	Navy	26.35	15.4	10.95	2.19	2.19	2.19	2.19	2.194	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	26	2012	Navy	18.58	-	18.58	-	-	-	-	-	3.17	-	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.546	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	26	2012	Navy	63.1	-	63.1	-	-	-	-	-	5.35	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.249	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3.1) D550 LOAD, ASSEMBLE & PACK (LAP)																																							
	27	2010	Navy	23.54	23.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	27	2010	Navy	21.17	21.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	27	2012	Navy	5.383	-	5.383	-	-	-	5.383	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4.1) DA12 LOAD, ASSEMBLE & PACK (LAP)																																							
	28	2010	Navy	53.97	53.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	28	2010	Navy	340.5	340.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	28	2011	Navy	211.9	123.6	88.27	17.65	17.65	17.65	17.65	17.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	28	2011	Navy	50.18	29.29	20.89	4.18	4.18	4.18	4.18	4.173	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	28	2012	Navy	70.74	-	70.74	-	-	-	-	-	5.96	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.877	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5.1) DA13 LOAD, ASSEMBLE & PACK (LAP)																																							
	29	2010	Navy	193.8	145.4	48.47	16.15	16.15	16.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	29	2010	Navy	172.5	129.4	43.13	14.37	14.37	14.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	30	2011	Navy	168.2	98.18	70.04	14.01	14.01	14.01	14.01	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	30	2011	Navy	78.75	45.97	32.78	6.56	6.56	6.56	6.56	6.536	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	30	2012	Navy	88.71	-	88.71	-	-	-	-	-	7.41	7.39	7.39	7.39	7.39	7.39	7.39	7.39	7.39	7.39	7.39	7.397	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
							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									

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1	P-1 Line Item Nomenclature: 1473 - Artillery, All Types	Item Nomenclature: Artillery, All Types
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MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEAD TIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total
1	AMERICAN ORDNANCE - MIDDLETOWN, IA	.01	.035	.04	6	6	24	30	6	6	24	30
2	PINE BLUFF ARSENAL - PINE BLUFF, AR	.008	.01	.017	6	4	24	28	6	4	24	28
3	GENERAL DYNAMICS ATP - HAMPTON, AR	.03	.05	.125	6	6	24	30	6	6	24	30
4	GENERAL DYNAMICS ATP - HAMPTON, AR	.03	.05	.125	6	6	24	30	6	6	24	30
5	TO BE SELECTED - UNKNOWN	.03	.05	.125	6	6	24	30	6	6	24	30

Remarks:

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 : Marine Corps Ammunition	P-1 Line Item Nomenclature: 1500 - Demolition Munitions, All Types
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ID Code (A=Service Ready, B=Not Service Ready) : A **Related Program Elements:**

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	24.081	28.760	22.786	7.831	30.617	19.389	22.709	20.063	21.393	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	24.081	28.760	22.786	7.831	30.617	19.389	22.709	20.063	21.393	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	24.081	28.760	22.786	7.831	30.617	19.389	22.709	20.063	21.393	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

Base Appropriations Request:

The Cartridge, 12 gauge, EOD, MK 274 Mod 0, Ultra Velocity Slug (DODIC AA62), is used only in the Percussion Actuated Disrupter (PAN Disrupter). These cartridges are never to be used in a 12 gauge shotgun. The Cartridge consists of a 1-ounce lead projectile with a nylon gear attached to the rear of the projectile for stabilization after firing. The round is a standard 3-1/2 inch cartridge. The projectile is propelled by 20 grains of Blue Dot smokeless powder and 120 grains of Scot 4100 smokeless powder. The primary purpose of the cartridge is to provide the EOD technician with a cartridge specifically designed to defeat fast responding circuits and penetration of up to 1/2 inch steel packages.

The Cap, Blasting Electric MK17 MOD 1-HERO SAFE- (DODIC DWFP) is used for initiating high explosives with a blasting machine or other suitable source of electric power. It is capable of detonating all standard military explosives.

Powdered bag, smokeless (DODIC DWGB) is an EOD specific item and training use requirement.

The Charge, Demolition Block M118 2 Pound Pentaerythritol Tetranitrate (PETN) (DODIC M024) is a general-purpose demolition. It is suitable for underwater use and is particularly effective against steel, concrete, and timber. This sheet can be cut to any desired shape and may be quickly applied to irregular and curved surfaces. This charge may be detonated by electric blasting caps, non-electric blasting caps, or detonating cord. Each box of the M118 Demolition Blocks comes with 80 blasting cap holders.

The Charge, Demolition Cratering 40-Pound (DODIC M039) is an alternate to the standard ammonium nitrate cratering charge for the destruction of buildings, structures, and fortifications. The charge is composed of approximately 40-pound of H-6 explosive and a .43-pound A-5 composition booster. H-6 explosive is a highly brisant explosive derived from the HBX family. A semicircular handle is also located on the top of the container for handling the charge or for attaching a line when lowering the charge in a hole.

The Cap, Blasting Non-Electric Inert (DODIC M097) is used in training personnel in the correct procedures for safe handling of non-electric blasting caps. The DODIC M097 is approximately 2.3 inches long and .23 inches in diameter. There are two holes drilled through the cap to signify that the cap is inert. A fuse cavity is located in one end of the blasting cap to receive a time safety fuse. The cap is painted black.

The Cap, Blasting Electric Inert (DODIC M098) is used in training personnel in the correct procedures for safe handling of electric blasting caps. The blasting cap is approximately 2.3 inches long and .23-inches in diameter. There are two lead wires approximately 12 feet in length. There are two holes drilled through the cap to signify that the cap is inert. The cap is painted black.

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy		Date: February 2011
Appropriation / Budget Activity / Budget Sub Activity: 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 : Marine Corps Ammunition		P-1 Line Item Nomenclature: 1500 - Demolition Munitions, All Types
ID Code (A=Service Ready, B=Not Service Ready) : A	Related Program Elements:	
<p>The Cap, Blasting Electric M6 (DODIC M130) is used for initiating high explosives with a blasting machine or other suitable source of electric power. The M6 Electric Blasting Cap is capable of detonating all standard military explosives. This blasting cap is waterproof and can be used in underwater demolition, and is also used as the detonating element in certain land mine fuzes. The M6 Blasting Cap consists of an aluminum alloy tube containing a compressed charge of RDX or PETN, an immediate charge of lead azide, and an ignition charge. The cap is provided with two shunted (twisted together) plastic-covered copper lead wires, 12 feet in length, that extend through a rubber plug assembly (or rubber and sulfur) into the ignition charge where they are connected with a bridge wire.</p> <p>The Charge, Demolition Shaped M3 Series 40-Pound (DODIC M421) is used for penetrating metal, concrete, earth or other materials. This charge consists of approximately 30 lbs. of 50/50 pentolite or 28.3 lbs. of Composition B with a 1.7 lbs. 50/50-pentolite booster. The explosive charge is enclosed in a sheet steel container with a metal cavity liner and a detachable standoff frame assembly. The standoff frame assembly has three legs and is about 15 inches tall.</p> <p>The Cord, Detonating, PETN Type I Class E (DODIC M456) is used to prime and detonate single or multiple explosive charges simultaneously. Detonating cord alone functions as an explosive charge. It is particularly useful for initiating charges placed in wet boreholes or underwater. Detonating cord consists of a core of high explosives (PETN) wrapped in a reinforced and waterproof olive drab plastic coating. Detonating cord is functional in the same temperature ranges as plastic explosive, although the cover becomes brittle at lower temperatures.</p> <p>The Charge, Assembly Demolition M183 Comp C-4 (DODIC M757) is used by assault demolition teams in general demolition operations such as reduction of small obstacles, cutting, breaching, and cratering. The M183 Charge Assembly consists of 16 M112 Demolition Blocks and 4 M15 Priming Assemblies. Each M112 block is composed of 1-1/4 pounds of Composition C-4. The M15 Priming Assembly is a 5-foot length of detonating cord with two plastic M1 Clips and 2 RDX boosters attached. The boosters, which are about 1/4" in diameter and 2-inches in length contain approximately 13.5 grains of RDX.</p> <p>The Charge Demolition Explosive Sheet, 38 ft (DODIC M980) is used in general demolition as a cutting or breaching charge. M980 permits pinpoint metal cutting with minimum explosive loading. The sheet can be cut to provide the length of charge needed.</p> <p>The Charge, Demolition Explosive sheet, 9ft (DODIC M986) is used in general demolition as a cutting or breaching charge. M986 permits pinpoint metal cutting with minimum explosive loading. The sheet can be cut to provide the length of charge needed.</p> <p>The Firing Device, Demolition Multi-Purpose M142 (DODIC ML03) is intended for use with antipersonnel mines and when setting up booby-traps using demolition charges. The device provides a simple means of mechanical initiation of booby trap by pressure, pull, pressure release, or tension release. The basic component of the device is a mechanical switch designed for actuation by pressure, pull, pressure release, or tension release. The device consists of several components. The switch consists of a plastic housing containing the mechanical apparatus, 50 feet of trip wire wound on a plastic or cardboard spool, the tension release attachment, a specially formed steel wire that has a spring action, an instruction sheet, and the coupling body that contains the explosive initiating element.</p> <p>The Cutter, High Explosive MK23 Mod 0 (DODIC ML04) is a smaller version of the MK24 (ML05) that is 4.34in in length with a diameter of 1.89in used for cutting or disrupting techniques against ordnance items. The charge consists of a plastic case, stand, and a metal sight. The main charge is 70/30 octol. The charge can be set up for electrical or non-electrical initiation using standard blasting caps.</p> <p>The Cutter, High Explosive MK24 Mod 0 (DODIC ML05) is a larger version of the MK23 (ML04) that is 5.75in in length with a diameter of 2.88in used for cutting or disrupting techniques against ordnance items. The charge consists of a plastic case, stand, and a metal sight. The main charge is 70/30 octol. The charge can be set up for electrical or non-electrical initiation using standard blasting caps.</p> <p>M6A1 Bradley Reactive Armor Tiles (BRAT), (DODIC ML98) consisting of part number 13004403 for V/S w/LF-2 and are to be used on the Assault Breacher Vehicle (ABV).</p> <p>The Charge, Demolition Flexible Linear Shaped 300 Grains Per Foot (DODIC MM24) is designed for fast and reliable cutting of materials. DODIC MM24 will cut steel up to 0.18-inches thick or aluminum up to 0.39-inches thick. MM24 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.</p> <p>The Charge, Demolition Flexible 20 Gram Pentaerythritol Tetranitrate (PETN) MK140 Mod 0 (DODIC MM30) is intended to be used as an individual charge, or can be used as a booster for other charges. This charge can be used in all applications where demolitions are required.</p> <p>The Charge, Demolition Flexible Linear Shaped 30 Grains Per Foot (DODIC MM41) is designed for fast and reliable cutting of materials. The DODIC MM41 will cut steel up to 0.06-inches thick or aluminum up to 0.11-inches thick. MM41 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.</p>		

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy		Date: February 2011
Appropriation / Budget Activity / Budget Sub Activity: 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 : Marine Corps Ammunition		P-1 Line Item Nomenclature: 1500 - Demolition Munitions, All Types
ID Code (A=Service Ready, B=Not Service Ready) : A	Related Program Elements:	
<p>The Charge, Demolition Flexible Linear Shaped 40 Grains Per Foot (DODIC MM42) is designed for fast and reliable cutting of materials. The DODIC MM42 will cut steel up to 0.05 inches thick, or aluminum up to 0.14 inches thick. MM42 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.</p> <p>The Charge, Demolition Flexible Linear Shaped 75 Grains Per Foot (DODIC MM44) is designed for fast and reliable cutting of materials. The DODIC MM44 will cut steel up to 0.10-inches thick or aluminum up to 0.16-inches thick. The DODIC MM44 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.</p> <p>The Charge, Demolition Flexible Linear Shaped 125 Grains Per Foot (DODIC MM45) is designed for fast and reliable cutting of materials. DODIC MM45 will cut steel up to 0.13-inches thick, or aluminum up to 0.21-inches thick. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action. The charge contains 125 grains per foot of CH-6. The lead sheathing is blue/gray in color and is 6-feet long.</p> <p>The Charge, Demolition Flexible Linear Shaped 225 Grains Per Foot (DODIC MM46) is designed for fast and reliable cutting of materials. The DODIC MM46 will cut steel up to 0.18-inches thick, or aluminum up to 0.31-inches thick. MM46 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.</p> <p>The Charge, Demolition Flexible Linear Shaped 400 Grains Per Foot (DODIC MM47) is designed for fast and reliable cutting of materials. The DODIC MM47 will cut steel up to 0.20-inches thick or aluminum up to 0.41-inches thick. MM47 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.</p> <p>The Charge, Demolition Flexible Linear Shaped 600 Grains Per Foot (DODIC MM48) is designed for fast and reliable cutting of materials. The DODIC MM48 will cut steel up to 0.27-inches thick or aluminum up to 0.46-inches thick. MM48 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.</p> <p>The Charge, Demolition Low Hazard MK143 Mod 0 600 Grains Per Foot (DODIC MM51) is a continuous explosive core of plastic bonded explosive with a flexible copper-polymer liner. The charge is encased in lightweight olive drab polyethylene foam. The underside of the charge has an adhesive backed tape that adheres to most dry surfaces. This charge contains 600 grains per foot of a commercial plastic bonded explosive.</p> <p>The Charge, Demolition Low Hazard MK144 Mod 0 1200 Grains Per Foot (DODIC MM52) is a continuous explosive core of plastic bonded explosive with a flexible copper-polymer liner. The charge is encased in lightweight olive drab polyethylene foam. The underside of the charge has an adhesive backed tape that adheres to most dry surfaces. This charge contains 1200 grains per foot of a commercial plastic bonded explosive.</p> <p>The Charge, Demolition Low Hazard MK145 Mod 0 2400 Grains Per Foot (DODIC MM53) is a continuous explosive core of plastic-bonded explosive with a flexible copper-polymer liner. The charge is encased in lightweight olive drab polyethylene foam. The underside of the charge has an adhesive backed tape that adheres to most dry surfaces. This charge contains 2400 grains per foot of a commercial plastic bonded explosive.</p> <p>The Charge, Demolition Low Hazard Mk149 Mod 0 5400 Grains Per Foot (DODIC MM54) is a continuous explosive core of plastic bonded explosive with a flexible copper-polymer liner. The charge is encased in lightweight olive drab polyethylene foam. The underside of the charge has an adhesive backed tape that adheres to most dry surfaces. This charge contains 5400 grains per foot of a commercial plastic bonded explosive.</p> <p>The Canine Explosive Scent Kit (DODIC MN01) is composed of different samples of common explosives used to train dogs to detect explosives. The samples are packaged in individual containers. The types of explosives can vary based on the type of training being conducted. These samples may be of dynamite, time-safety fuze, C4, TNT, detonating cord, smokeless powder, and water gel explosive.</p>		

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy		Date: February 2011
Appropriation / Budget Activity / Budget Sub Activity: 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 : Marine Corps Ammunition		P-1 Line Item Nomenclature: 1500 - Demolition Munitions, All Types
ID Code (A=Service Ready, B=Not Service Ready) : A	Related Program Elements:	
<p>The Igniter, Time Blasting Fuse M81 (DODIC MN08) is a pull-type assembly used to initiate time blasting fuse and shock-tube assemblies. The M81 is almost identical to the older M60 fuse igniter (DODIC M766), except that the M81 is more powerful and has a screw-end cap with a green shipping plug and a silicon shock-tube reducer. The cap allows the M81 to accommodate either the thin shock-tube or standard-diameter time blasting fuse. It may be used under all weather conditions.</p> <p>The Firing Device, Demolition, Delay type, M147 (DODIC MN11) is intended for use with antipersonnel mines and when setting up booby-traps using demolition charges. The device provides a simple means of initiation of booby-traps. It is electronic and can be set to fire between 5 minutes to 30 days.</p> <p>The Firing Device, Handheld (Inert) MK 54 MOD 0 (DODIC MN14) consists of two stainless steel cylindrical assemblies connected by a trigger mechanism. A secondary safety pin is inserted through the assemblies. The firing ends of the assemblies are internally threaded to receive the applicable pyrotechnic lead initiator. Each assembly contains a spring-loaded firing pin that can be recocked by the sear lever on the trigger mechanism.</p> <p>The Detonator, four second delay (DODIC MN50) are used in military demolitions, explosive ordnance disposal, minefield clearing, and special applications. The detonator (DODIC MN50) is a linear signal transmission device designed to transmit an energetic signal through shock tube to a specific detonating output.</p> <p>The Detonator, Non-Electric MK154 (DODIC MN52) is used in place of the M7 Non-Electric Blasting Cap or the M6 Electric Blasting Cap. It is used where a non-electric waterproof application is desired. The system consists of a dual non-fragmenting 100-foot, co-extruded, olive drab, plastic polyethylene pyrotechnic lead containing less than 0.1 grains per foot of HMX with two factory crimped M7 Detonators.</p> <p>The Booster, Demolition Charge, M152, (DODIC MN69) begin with five grain per foot PETN detonation cord that is figure-eight coiled and integrated to a booster charge containing 13.5 grains of PETN. The assemblies have J-hooks for fast, secure, and reliable connection to detonating cords.</p> <p>The Cord, Detonating 100 Grains per Foot (DODIC MU42) is designed as a detonating agent, a priming agent, or as an explosive charge. The DODIC MU42 is a commercial product and is coated with a clear polyethylene waterproof coating. The pentaerythritol tetranitrate (PETN) explosive core has an average detonating rate of 27,200 feet per second.</p> <p>FY12 Overseas Contingency Operations Request (OCO)</p> <p>DODIC AA62, \$1.000. Lack of funding to replace training expenditures will further erode the USMC's WRMR and training stockpile and negatively affect our ability to execute another MCO and/or prepare our Marines for war.</p> <p>DODIC M456, \$3.000. Lack of funding to replace combat expenditures will further erode the USMC's WRMR stockpile and negatively affect our ability to execute another MCO, if required.</p> <p>DODIC MM51, \$1.000. Lack of funding to replace training expenditures will further erode the USMC's WRMR and training stockpile and negatively affect our ability to execute another MCO and/or prepare our Marines for war.</p> <p>DODIC MM53, \$0.831. Lack of funding to replace training expenditures will further erode the USMC's WRMR and training stockpile and negatively affect our ability to execute another MCO and/or prepare our Marines for war.</p> <p>DODIC MM54, \$1.000. Lack of funding to replace training expenditures will further erode the USMC's WRMR and training stockpile and negatively affect our ability to execute another MCO and/or prepare our Marines for war.</p> <p>DODIC MN08, \$1.000. Lack of funding to replace combat expenditures will further erode the USMC's WRMR stockpile and negatively affect our ability to execute another MCO, if required.</p>		
Remarks:		

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011					
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1500 - Demolition Munitions, All Types										Item Nomenclature: Demolition Munitions, All Types					
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012									
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M	
1) AA62 12-GAUGE EOD MK 274 MOD 0 UV SLUG		-	-	-	-	-	-	-	-	-	-	-	-	1.700	-	-	1.000	-	-	2.700
† 1.1) AA62 COMPLETE ROUND	A	-	-	-	-	-	-	-	-	-	4.05	419,753	1.700	4.05	246,913	1.000	4.05	666,666	2.700	
2) DWFP CAP, BLASTING, ELECT, MK17 MOD1		-	-	-	-	-	0.200	-	-	2.000	-	-	0.000	-	-	-	-	-	0.000	
† 2.1) DWFP COMPLETE ROUND	A	-	-	-	38.13	5,088	0.194	39.31	49,250	1.936	-	-	0.000	-	-	-	-	-	0.000	
2.2) DWFP PRODUCTION ENGINEERING	A	-	-	-	-	-	0.006	-	-	0.064	-	-	0.000	-	-	-	-	-	0.000	
2.3) DWFP ACCEPTANCE TESTING	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000	
3) DWGB POWDER BAG, SMOKELESS		-	-	-	-	-	-	-	-	-	-	-	0.207	-	-	-	-	-	0.207	
† 3.1) DWGB COMPLETE ROUND	A	-	-	-	-	-	-	-	-	-	21.00	9,857	0.207	-	-	-	21.00	9,857	0.207	
4) M024 CHG DEMO BLOCK PETN		-	-	-	-	-	1.007	-	-	0.092	-	-	0.049	-	-	-	-	-	0.049	
† 4.1) M024 COMPLETE ROUND	A	-	-	-	82.68	11,357	0.939	99.14	182	0.018	-	-	0.000	-	-	-	-	-	0.000	
4.2) M024 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.035	-	-	0.016	-	-	0.000	-	-	-	-	-	0.000	
4.3) M024 QUALITY ASSURANCE	A	-	-	-	-	-	0.003	-	-	-	-	-	0.000	-	-	-	-	-	0.000	
4.4) M024 FIRST ARTICLE TEST	A	-	-	-	-	-	0.030	-	-	0.058	-	-	0.000	-	-	-	-	-	0.000	
4.5) M024 UNECONOMICAL BUY	A	-	-	-	-	-	-	-	-	-	-	-	0.049	-	-	-	-	-	0.049	
5) M039 CHARGE, DEMO 40 LB CRATERING		-	-	-	-	-	4.133	-	-	-	-	-	1.500	-	-	-	-	-	1.500	
† 5.1) M039 LOAD, ASSEMBLE AND PACK (LAP)	A	-	-	-	374.49	8,633	3.233	-	-	-	405.93	1,187	0.482	-	-	-	405.93	1,187	0.482	
† 5.2) M039 COMP B TYPE I GRADE A (LB)	A	-	-	-	19.84	289,718	5.748	-	-	-	19.93	43,251	0.862	-	-	-	19.93	43,251	0.862	

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Exhibit P-5, Cost Analysis : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1500 - Demolition Munitions, All Types **Item Nomenclature:** Demolition Munitions, All Types

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
5.3) M039 GOVERNMENT FURNISHED MATERIAL - COMP B TYPE I GRADE A (LB)	A	-	-	-	-	-	-5.748	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 5.4) M039 ALUMINUM POWDER FLAKED (LB)	A	-	-	-	1.69	91,716	0.155	-	-	-	2.69	12,639	0.034	-	-	-	2.69	12,639	0.034
† 5.5) M039 COMP D-2 (LB)	A	-	-	-	21.14	21,807	0.461	-	-	-	22.01	2,999	0.066	-	-	-	22.01	2,999	0.066
5.6) M039 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.248	-	-	-	-	-	0.056	-	-	-	-	-	0.056
5.7) M039 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
5.8) M039 PC&H	A	-	-	-	-	-	0.036	-	-	-	-	-	0.000	-	-	-	-	-	0.000
6) M097 CAP, BLASTING NON-ELECTRIC INERT		-	-	-	-	-	0.191	-	-	0.041	-	-	0.000	-	-	-	-	-	0.000
† 6.1) M097 COMPLETE ROUND	A	-	-	-	20.56	8,220	0.169	7.84	3,061	0.024	-	-	0.000	-	-	-	-	-	0.000
6.2) M097 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.022	-	-	0.014	-	-	0.000	-	-	-	-	-	0.000
6.3) M097 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	0.003	-	-	0.000	-	-	-	-	-	0.000
7) M098 CAP, BLASTING ELECTRIC INERT		-	-	-	-	-	0.200	-	-	0.200	-	-	0.000	-	-	-	-	-	0.000
7.1) M098 UNECONOMICAL BUY ⁽¹⁾	A	-	-	-	-	-	0.200	-	-	0.200	-	-	0.000	-	-	-	-	-	0.000
8) M130 CAP, BLASTING, ELECTRIC		-	-	-	-	-	-	-	-	-	-	-	1.000	-	-	-	-	-	1.000
† 8.1) M130 COMPLETE ROUND	A	-	-	-	-	-	-	-	-	-	25.38	36,170	0.918	-	-	-	25.38	36,170	0.918
8.2) M130 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	0.058	-	-	-	-	-	0.058
8.3) M130 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	-	-	-	0.001	-	-	-	-	-	0.001

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1500 - Demolition Munitions, All Types					Item Nomenclature: Demolition Munitions, All Types									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
8.4) M130 FIRST ARTICLE TEST	A	-	-	-	-	-	-	-	-	-	-	-	0.023	-	-	-	-	-	0.023
9) M421 CHARGE, DEMO SHAPED 40 LB		-	-	-	-	-	0.499	-	-	0.557	-	-	1.097	-	-	-	-	-	1.097
† 9.1) M421 LOAD, ASSEMBLE AND PACK (LAP)	A	-	-	-	1,370.30	297	0.407	1,386.74	153	0.212	778.03	1,287	1.001	-	-	-	778.03	1,287	1.001
† 9.2) M421 COMP B TYPE I GRADE A (LB)	A	-	-	-	2.37	9,283	0.022	2.54	4,724	0.012	18.84	39,968	0.753	-	-	-	18.84	39,968	0.753
9.3) M421 GOVERNMENT FURNISHED MATERIAL - COMP B TYPE I GRADE A	A	-	-	-	-	-	-0.022	-	-	-0.012	-	-	-0.753	-	-	-	-	-	-0.753
† 9.4) M421 GOVERNMENT FURNISHED MATERIAL COMP A-3 (LB)	A	-	-	-	2.34	34	0.000	2.37	18	0.000	2.37	147	0.000	-	-	-	2.37	147	0.000
9.5) M421 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.092	-	-	0.337	-	-	0.094	-	-	-	-	-	0.094
9.6) M421 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	0.008	-	-	0.002	-	-	-	-	-	0.002
10) M456 CORD, DETONATING, PETN		-	-	-	-	-	-	-	-	-	-	-	1.000	-	-	3.000	-	-	4.000
† 10.1) M456 COMPLETE ROUND	A	-	-	-	-	-	-	-	-	-	0.58	1,467K	0.851	0.58	5,172K	3.000	0.58	6,640K	3.851
10.2) M456 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	0.147	-	-	-	-	-	0.147
10.3) M456 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	-	-	-	0.002	-	-	-	-	-	0.002
11) M757 CHARGE, ASSEMBLY DEMOLITION		-	-	-	-	-	9.241	-	-	-	-	-	0.000	-	-	-	-	-	0.000
11.1) M757 NON-RECURRING COSTS	A	-	-	-	-	-	9.241	-	-	-	-	-	0.000	-	-	-	-	-	0.000
12) M980 CHG, DEMO EXPLOSIVE SHEET 38FT		-	-	-	-	-	0.200	-	-	1.931	-	-	0.897	-	-	-	-	-	0.897
† 12.1) M980 COMPLETE ROUND	A	-	-	-	-	-	-	19.04	83,561	1.591	26.32	25,380	0.668	-	-	-	26.32	25,380	0.668

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Exhibit P-5, Cost Analysis : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1500 - Demolition Munitions, All Types **Item Nomenclature:** Demolition Munitions, All Types

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
12.2) M980 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.104	-	-	0.335	-	-	0.206	-	-	-	-	-	0.206
12.3) M980 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	0.005	-	-	0.002	-	-	-	-	-	0.002
12.4) M980 FIRST ARTICLE TEST	A	-	-	-	-	-	-	-	-	-	-	-	0.021	-	-	-	-	-	0.021
12.5) M980 NON-RECURRING ENG	A	-	-	-	-	-	0.096	-	-	-	-	-	0.000	-	-	-	-	-	0.000
13) M986 CHG, DEMO SHEET, 9FT PETN		-	-	-	-	-	0.400	-	-	0.400	-	-	0.400	-	-	-	-	-	0.400
† 13.1) M986 COMPLETE ROUND	A	-	-	-	81.21	4,716	0.383	93.40	4,090	0.382	228.90	1,529	0.350	-	-	-	228.90	1,529	0.350
13.2) M986 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.017	-	-	0.018	-	-	0.005	-	-	-	-	-	0.005
13.3) M986 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	-	-	-	0.002	-	-	-	-	-	0.002
13.4) M986 FIRST ARTICLE TEST	A	-	-	-	-	-	-	-	-	-	-	-	0.043	-	-	-	-	-	0.043
14) ML03 FIRING DEVICE, DEMO, M142		-	-	-	-	-	-	-	-	-	-	-	1.000	-	-	-	-	-	1.000
† 14.1) ML03 COMPLETE ROUND	A	-	-	-	-	-	-	-	-	-	36.61	24,092	0.882	-	-	-	36.61	24,092	0.882
14.2) ML03 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	0.118	-	-	-	-	-	0.118
15) ML04 CUTTER, POWDER ACTUATED MK23		-	-	-	-	-	0.100	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 15.1) ML04 LOAD, ASSEMBLE, PACK (LAP)	A	-	-	-	233.03	112	0.026	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 15.2) ML04 OCTOL TY II CL 2 (70/30)	A	-	-	-	43.73	23	0.001	-	-	-	-	-	0.000	-	-	-	-	-	0.000
15.3) ML04 GOVERNMENT FURNISHED MATERIAL - ML04 OCTOL TY II CL 2 (70/30)	A	-	-	-	-	-	-0.001	-	-	-	-	-	0.000	-	-	-	-	-	0.000

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1500 - Demolition Munitions, All Types					Item Nomenclature: Demolition Munitions, All Types									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
† 15.4) ML04 GOVERNMENT FURNISHED MATERIAL - COMP CH-6	A	-	-	-	13.36	5	0.000	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 15.5) ML04 BOX METAL M2A1	A	-	-	-	8.91	19	0.000	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 15.6) ML04 PALLET MK3-0	A	-	-	-	183.93	1	0.000	-	-	-	-	-	0.000	-	-	-	-	-	0.000
15.7) ML04 ACCEPTANCE TESTING	A	-	-	-	-	-	0.061	-	-	-	-	-	0.000	-	-	-	-	-	0.000
15.8) ML04 NON-RECURRING ENG	A	-	-	-	-	-	0.013	-	-	-	-	-	0.000	-	-	-	-	-	0.000
16) ML05 CUTTER, POWDER ACTUATED MK24		-	-	-	-	-	0.100	-	-	0.500	-	-	0.000	-	-	-	-	-	0.000
† 16.1) ML05 LOAD, ASSEMBLE, PACK (LAP)	A	-	-	-	228.47	88	0.020	221.95	1,514	0.336	-	-	0.000	-	-	-	-	-	0.000
† 16.2) ML05 OCTOL TY II CL 2 (70/30)	A	-	-	-	45.13	199	0.009	33.19	3,706	0.123	-	-	0.000	-	-	-	-	-	0.000
† 16.3) ML05 COMP CH-6	A	-	-	-	13.36	4	0.000	13.00	77	0.001	-	-	0.000	-	-	-	-	-	0.000
16.4) ML05 GOVERNMENT FURNISHED MATERIAL - COMP CH-6	A	-	-	-	-	-	-	-	-	-0.001	-	-	0.000	-	-	-	-	-	0.000
† 16.5) ML05 BOX METAL M2A1	A	-	-	-	8.91	44	0.000	0.01	852,273	0.009	-	-	0.000	-	-	-	-	-	0.000
† 16.6) ML05 PALLET MK3-0	A	-	-	-	-	-	-	0.20	10,184	0.002	-	-	0.000	-	-	-	-	-	0.000
16.7) ML05 ACCEPTANCE TESTING	A	-	-	-	-	-	0.061	-	-	-	-	-	0.000	-	-	-	-	-	0.000
16.8) ML05 NON-RECURRING ENGINEERING	A	-	-	-	-	-	0.010	-	-	-	-	-	0.000	-	-	-	-	-	0.000
16.9) ML05 ESIP	A	-	-	-	-	-	-	-	-	0.030	-	-	0.000	-	-	-	-	-	0.000
17) ML98 TILE, ARMOR XM/M6 M6E1/A1		-	-	-	-	-	-	-	-	-	-	-	2.000	-	-	-	-	-	2.000

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1500 - Demolition Munitions, All Types					Item Nomenclature: Demolition Munitions, All Types									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
† 17.1) ML98 COMPLETE ROUND	A	-	-	-	-	-	-	-	-	-	2,373.00	843	2.000	-	-	-	2,373.00	843	2.000
18) MM24 CHARGE, DEMO, MK 142-0, LOW HAZARD FLEXI		-	-	-	-	-	0.200	-	-	0.200	-	-	0.000	-	-	-	-	-	0.000
† 18.1) MM24 COMPLETE ROUND	A	-	-	-	21.06	6,363	0.134	21.69	6,224	0.135	-	-	0.000	-	-	-	-	-	0.000
18.2) MM24 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.008	-	-	0.008	-	-	0.000	-	-	-	-	-	0.000
18.3) MM24 ACCEPTANCE TESTING	A	-	-	-	-	-	0.058	-	-	0.057	-	-	0.000	-	-	-	-	-	0.000
19) MM30 CHARGE, FLEXIBLE 20 GRAM		-	-	-	-	-	0.354	-	-	-	-	-	0.000	-	-	-	-	-	0.000
19.1) MM30 NON- RECURRING COSTS	A	-	-	-	-	-	0.354	-	-	-	-	-	0.000	-	-	-	-	-	0.000
20) MM41 CHARGE, DEMO FLSC 30 GR/FT		-	-	-	-	-	0.200	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 20.1) MM41 COMPLETE ROUND	A	-	-	-	60.43	2,912	0.176	-	-	-	-	-	0.000	-	-	-	-	-	0.000
20.2) MM41 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.005	-	-	-	-	-	0.000	-	-	-	-	-	0.000
20.3) MM41 ACCEPTANCE TESTING	A	-	-	-	-	-	0.019	-	-	-	-	-	0.000	-	-	-	-	-	0.000
21) MM42 CHARGE, DEMO FLSC 40 GR/FT		-	-	-	-	-	0.130	-	-	0.750	-	-	0.000	-	-	-	-	-	0.000
† 21.1) MM42 COMPLETE ROUND	A	-	-	-	70.53	1,616	0.114	72.67	10,114	0.735	-	-	0.000	-	-	-	-	-	0.000
21.2) MM42 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.002	-	-	0.002	-	-	0.000	-	-	-	-	-	0.000
21.3) MM42 ACCEPTANCE TESTING	A	-	-	-	-	-	0.014	-	-	0.013	-	-	0.000	-	-	-	-	-	0.000
22) MM44 CHARGE, DEMO FLSC 75 GR/FT		-	-	-	-	-	0.100	-	-	1.000	-	-	0.000	-	-	-	-	-	0.000

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Exhibit P-5, Cost Analysis : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1500 - Demolition Munitions, All Types **Item Nomenclature:** Demolition Munitions, All Types

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
† 22.1) MM44 COMPLETE ROUND	A	-	-	-	72.67	1,197	0.087	74.86	11,675	0.874	-	-	0.000	-	-	-	-	-	0.000
22.2) MM44 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.002	-	-	0.020	-	-	0.000	-	-	-	-	-	0.000
22.3) MM44 ACCEPTANCE TESTING	A	-	-	-	-	-	0.011	-	-	0.106	-	-	0.000	-	-	-	-	-	0.000
23) MM45 CHARGE, DEMO FLSC 125 GR/FT		-	-	-	-	-	0.100	-	-	1.000	-	-	0.000	-	-	-	-	-	0.000
† 23.1) MM45 COMPLETE ROUND	A	-	-	-	73.92	1,190	0.088	76.09	11,500	0.875	-	-	0.000	-	-	-	-	-	0.000
23.2) MM45 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.002	-	-	0.021	-	-	0.000	-	-	-	-	-	0.000
23.3) MM45 ACCEPTANCE TESTING	A	-	-	-	-	-	0.010	-	-	0.104	-	-	0.000	-	-	-	-	-	0.000
24) MM46 CHARGE, DEMO FLSC 225 GR/FT		-	-	-	-	-	-	-	-	1.000	-	-	0.000	-	-	-	-	-	0.000
† 24.1) MM46 COMPLETE ROUND	A	-	-	-	-	-	-	77.39	11,332	0.877	-	-	0.000	-	-	-	-	-	0.000
24.2) MM46 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	0.021	-	-	0.000	-	-	-	-	-	0.000
24.3) MM46 ACCEPTANCE TESTING	A	-	-	-	-	-	-	-	-	0.102	-	-	0.000	-	-	-	-	-	0.000
25) MM47 CHARGE, DEMO FLSC 40 GR/FT		-	-	-	-	-	-	-	-	0.584	-	-	0.000	-	-	-	-	-	0.000
† 25.1) MM47 COMPLETE ROUND	A	-	-	-	-	-	-	78.72	6,517	0.513	-	-	0.000	-	-	-	-	-	0.000
25.2) MM47 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	0.012	-	-	0.000	-	-	-	-	-	0.000
25.3) MM47 ACCEPTANCE TESTING	A	-	-	-	-	-	-	-	-	0.059	-	-	0.000	-	-	-	-	-	0.000
26) MM48 CHARGE, DEMO FLSC 600 GR/FT		-	-	-	-	-	-	-	-	1.000	-	-	0.000	-	-	-	-	-	0.000

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1500 - Demolition Munitions, All Types					Item Nomenclature: Demolition Munitions, All Types									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
† 26.1) MM48 COMPLETE ROUND	A	-	-	-	-	-	-	80.06	10,992	0.880	-	-	0.000	-	-	-	-	-	0.000
26.2) MM48 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	0.020	-	-	0.000	-	-	-	-	-	0.000
26.3) MM48 ACCEPTANCE TESTING	A	-	-	-	-	-	-	-	-	0.100	-	-	0.000	-	-	-	-	-	0.000
27) MM51 CHARGE, DEMO FLSC 600 GR/FT		-	-	-	-	-	-	-	-	-	-	-	1.355	-	-	1.000	-	-	2.355
† 27.1) MM51 COMPLETE ROUND	A	-	-	-	-	-	-	-	-	-	16.93	53,692	0.909	16.93	32,723	0.554	16.93	86,415	1.463
27.2) MM51 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	0.029	-	-	0.029	-	-	0.058
27.3) MM51 ACCEPTANCE TESTING	A	-	-	-	-	-	-	-	-	-	-	-	0.417	-	-	0.417	-	-	0.834
28) MM52 CHARGE, DEMO FLSC 1200 GR/FT		-	-	-	-	-	0.400	-	-	9.296	-	-	1.000	-	-	-	-	-	1.000
† 28.1) MM52 COMPLETE ROUND	A	-	-	-	24.05	10,146	0.244	23.99	272,947	6.548	33.47	28,473	0.953	-	-	-	33.47	28,473	0.953
28.2) MM52 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.009	-	-	0.177	-	-	0.019	-	-	-	-	-	0.019
28.3) MM52 ACCEPTANCE TESTING	A	-	-	-	-	-	0.147	-	-	2.571	-	-	0.028	-	-	-	-	-	0.028
29) MM53 CHARGE, DEMO FLSC 2400 GR/FT		-	-	-	-	-	0.400	-	-	0.400	-	-	1.000	-	-	0.831	-	-	1.831
† 29.1) MM53 COMPLETE ROUND	A	-	-	-	31.33	9,639	0.302	32.57	9,303	0.303	33.59	23,132	0.777	33.59	18,101	0.608	33.59	41,233	1.385
29.2) MM53 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.008	-	-	0.007	-	-	0.019	-	-	0.019	-	-	0.038
29.3) MM53 ACCEPTANCE TESTING	A	-	-	-	-	-	0.090	-	-	0.090	-	-	0.204	-	-	0.204	-	-	0.408
30) MM54 CHARGE, DEMO FLSC 5400 GR/FT		-	-	-	-	-	0.200	-	-	0.200	-	-	1.200	-	-	1.000	-	-	2.200

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Exhibit P-5, Cost Analysis : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1500 - Demolition Munitions, All Types **Item Nomenclature:** Demolition Munitions, All Types

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
† 30.1) MM54 COMPLETE ROUND	A	-	-	-	49.88	3,388	0.169	53.12	3,200	0.170	54.78	18,857	1.033	54.78	15,206	0.833	54.78	34,063	1.866
30.2) MM54 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.004	-	-	0.004	-	-	0.022	-	-	0.022	-	-	0.044
30.3) MM54 ACCEPTANCE TESTING	A	-	-	-	-	-	0.027	-	-	0.026	-	-	0.145	-	-	0.145	-	-	0.290
31) MN01 SCENT KIT, EXPL DETECT DOG		-	-	-	-	-	0.035	-	-	0.034	-	-	0.236	-	-	-	-	-	0.236
† 31.1) MN01 COMPLETE ROUND	A	-	-	-	1,153.54	5	0.006	1,189.22	5	0.006	1,226.01	30	0.037	-	-	-	1,226.01	30	0.037
31.2) MN01 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.029	-	-	0.028	-	-	0.199	-	-	-	-	-	0.199
32) MN08 IGNITER, TIME, BLAST M81		-	-	-	-	-	-	-	-	-	-	-	2.937	-	-	1.000	-	-	3.937
† 32.1) MN08 COMPLETE ROUND	A	-	-	-	-	-	-	-	-	-	6.46	305,108	1.971	6.46	154,799	1.000	6.46	459,907	2.971
32.2) MN08 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	0.966	-	-	-	-	-	0.966
33) MN11 DEVICE, DEMOLITION FIRING, DELAY TYPE, M147		-	-	-	-	-	-	-	-	0.400	-	-	0.000	-	-	-	-	-	0.000
† 33.1) MN11 COMPLETE ROUND	A	-	-	-	-	-	-	2,800.00	125	0.350	-	-	0.000	-	-	-	-	-	0.000
33.2) MN11 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	0.010	-	-	0.000	-	-	-	-	-	0.000
33.3) MN11 ACCEPTANCE TESTING	A	-	-	-	-	-	-	-	-	0.040	-	-	0.000	-	-	-	-	-	0.000
34) MN14 DUAL FIRING DEVICE MK54		-	-	-	-	-	-	-	-	1.999	-	-	1.800	-	-	-	-	-	1.800
† 34.1) MN14 COMPLETE ROUND	A	-	-	-	-	-	-	74.12	22,369	1.658	76.43	19,534	1.493	-	-	-	76.43	19,534	1.493
34.2) MN14 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	0.341	-	-	0.307	-	-	-	-	-	0.307

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Exhibit P-5, Cost Analysis : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1500 - Demolition Munitions, All Types **Item Nomenclature:** Demolition Munitions, All Types

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
35) MN50 DETONATOR, DELAY, MK 150/0 W/IN-LINE INI		-	-	-	-	-	0.200	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 35.1) MN50 COMPLETE ROUND	A	-	-	-	44.80	4,353	0.195	-	-	-	-	-	0.000	-	-	-	-	-	0.000
35.2) MN50 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.005	-	-	-	-	-	0.000	-	-	-	-	-	0.000
36) MN52 DETONATOR, NON-ELECTRIC MK154		-	-	-	-	-	5.091	-	-	4.776	-	-	1.908	-	-	-	-	-	1.908
† 36.1) MN52 COMPLETE ROUND	A	-	-	-	45.43	110,544	5.022	49.26	95,717	4.715	50.78	37,062	1.882	-	-	-	50.78	37,062	1.882
36.2) MN52 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.069	-	-	0.061	-	-	0.026	-	-	-	-	-	0.026
37) MN69 BOOSTER, DEMO CHG, M152		-	-	-	-	-	0.400	-	-	0.400	-	-	0.200	-	-	-	-	-	0.200
† 37.1) MN69 COMPLETE ROUND	A	-	-	-	9.03	44,297	0.400	9.21	26,384	0.243	7.92	19,066	0.151	-	-	-	7.92	19,066	0.151
37.2) MN69 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	0.157	-	-	0.049	-	-	-	-	-	0.049
38) MU42 CORD, DET, 100 GRNS PER FT		-	-	-	-	-	-	-	-	-	-	-	0.300	-	-	-	-	-	0.300
† 38.1) MU42 COMPLETE ROUND	A	-	-	-	-	-	-	-	-	-	0.13	2,308K	0.300	-	-	-	0.13	2,308K	0.300
Gross/Weapon System Cost		-	-	-	-	-	24.081	-	-	28.760	-	-	22.786	-	-	7.831	-	-	30.617
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	-	-	-	24.081	-	-	28.760	-	-	22.786	-	-	7.831	-	-	30.617
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	-	-	-	24.081	-	-	28.760	-	-	22.786	-	-	7.831	-	-	30.617
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:
⁽¹⁾Army P-forms show "uneconomical buy" for M098 in FY 10 and FY 11.

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1500 - Demolition Munitions, All Types					Item Nomenclature: Demolition Munitions, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1.1) AA62 COMPLETE ROUND		2012	L-TECH ENT / EUBANK, KY	C / TBD	CRANE, CRANE, IN	Mar 2012	Jun 2012	419,753	4.05	Y		
1.1) AA62 COMPLETE ROUND	Y	2012	L-TECH ENT / EUBANK, KY	C / TBD	CRANE, CRANE, IN	Mar 2012	Jun 2012	246,913	4.05	Y		
2.1) DWFP COMPLETE ROUND		2010	STRESAU LABS / SPOONER, WI	TBD	CRANE, CRANE, IN	Mar 2010	Jun 2010	5,088	38.13	N		
2.1) DWFP COMPLETE ROUND		2011	STRESAU LABS / SPOONER, WI	TBD	CRANE, CRANE, IN	Mar 2011	Jun 2011	49,250	39.31	N		
3.1) DWGB COMPLETE ROUND		2012	STRESAU LABS / SPOONER, WI	C / TBD	CRANE, CRANE, IN	Mar 2012	Jun 2012	9,857	21.00	Y		
4.1) M024 COMPLETE ROUND		2010	ENSIGN BICKFORD / SIMSBURY, CT	C / FFP	ROCK ISLAND ARSENAL, IL	Apr 2010	Dec 2010	11,357	82.68	Y		
4.1) M024 COMPLETE ROUND		2011	ENSIGN BICKFORD / SIMSBURY, CT	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Dec 2011	182	99.14	Y		
5.1) M039 LOAD, ASSEMBLE AND PACK (LAP)		2010	AMERICAN ORDNANCE / MIDDLETOWN, IA	C / FFP	ROCK ISLAND ARSENAL, IL	May 2010	Aug 2011	8,633	374.49	N		
5.1) M039 LOAD, ASSEMBLE AND PACK (LAP)		2012	AMERICAN ORDNANCE / MIDDLETOWN, IA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Jun 2013	1,187	405.93	Y		
5.2) M039 COMP B TYPE I GRADE A (LB)		2010	GOVERNMENT FURNISHED MATERIAL / STOCK ISSUE	TBD	ROCK ISLAND ARSENAL, IL	Oct 2009	Oct 2009	289,718	19.84	Y		
5.2) M039 COMP B TYPE I GRADE A (LB)		2012	BAE ORDNANCE SYSTEMS / KINDSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Mar 2013	43,251	19.93	Y		
5.4) M039 ALUMINUM POWDER FLAKED (LB)		2010	AMPAL INC / FLEMINGTON, NJ	C / FFP	ROCK ISLAND ARSENAL, IL	Sep 2010	Dec 2010	91,716	1.69	Y		
5.4) M039 ALUMINUM POWDER FLAKED (LB)		2012	TO BE SELECTED / UNKNOWN	TBD	ROCK ISLAND ARSENAL, IL	Oct 2011	Jan 2012	12,639	2.69	Y		
5.5) M039 COMP D-2 (LB)		2010	BAE ORDNANCE SYSTEMS / KINDSPORT, TN	SS / FFP	ROCK ISLAND ARSENAL, IL	May 2010	Aug 2010	21,807	21.14	Y		
5.5) M039 COMP D-2 (LB)		2012	BAE ORDNANCE SYSTEMS / KINDSPORT, TN	SS / FFP	ROCK ISLAND ARSENAL, IL	May 2012	Aug 2012	2,999	22.01	Y		
6.1) M097 COMPLETE ROUND		2010	R. Stresau Laboratory Inc / Spooner, wi	C / FFP	ROCK ISLAND ARSENAL, IL	Apr 2010	Mar 2012	8,220	20.56	N		
6.1) M097 COMPLETE ROUND		2011	R. Stresau Laboratory Inc / Spooner, wi	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Mar 2013	3,061	7.84	Y		
8.1) M130 COMPLETE ROUND		2012	R. Stresau Laboratory Inc / Spooner, wi	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Mar 2013	36,170	25.38	Y		
9.1) M421 LOAD, ASSEMBLE AND PACK (LAP)		2010	DAY & ZIMMERMANN, INC. / PARSONS, KS	C / FFP	ROCK ISLAND ARSENAL, IL	Sep 2010	Dec 2011	297	1,370.30	N		
9.1) M421 LOAD, ASSEMBLE AND PACK (LAP)		2011	DAY & ZIMMERMANN, INC. / PARSONS, KS	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Jun 2012	153	1,386.74	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1500 - Demolition Munitions, All Types					Item Nomenclature: Demolition Munitions, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
9.1) M421 LOAD, ASSEMBLE AND PACK (LAP)		2012	DAY & ZIMMERMANN, INC. / PARSONS, KS	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Jun 2013	1,287	778.03	Y		
9.2) M421 COMP B TYPE I GRADE A (LB)		2010	GOVERNMENT FURNISHED MATERIAL / STOCK ISSUE	TBD	ROCK ISLAND ARSENAL, IL	Oct 2009	Oct 2009	9,283	2.37	N		
9.2) M421 COMP B TYPE I GRADE A (LB)		2011	GOVERNMENT FURNISHED MATERIAL / STOCK ISSUE	TBD	ROCK ISLAND ARSENAL, IL	Oct 2010	Oct 2010	4,724	2.54	N		
9.2) M421 COMP B TYPE I GRADE A (LB)		2012	GOVERNMENT FURNISHED MATERIAL / STOCK ISSUE	TBD	ROCK ISLAND ARSENAL, IL	Oct 2011	Oct 2011	39,968	18.84	N		
9.4) M421 GOVERNMENT FURNISHED MATERIAL COMP A-3 (LB)		2010	GOVERNMENT FURNISHED MATERIAL / STOCK ISSUE	TBD	ROCK ISLAND ARSENAL, IL	Oct 2009	Oct 2009	34	2.34	N		
9.4) M421 GOVERNMENT FURNISHED MATERIAL COMP A-3 (LB)		2011	GOVERNMENT FURNISHED MATERIAL / STOCK ISSUE	TBD	ROCK ISLAND ARSENAL, IL	Oct 2010	Oct 2010	18	2.37	N		
9.4) M421 GOVERNMENT FURNISHED MATERIAL COMP A-3 (LB)		2012	GOVERNMENT FURNISHED MATERIAL / STOCK ISSUE	TBD	ROCK ISLAND ARSENAL, IL	Oct 2011	Oct 2011	147	2.37	N		
10.1) M456 COMPLETE ROUND		2012	ENSIGN BICKFORD / SIMSBURY, CT	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Dec 2012	1,467K	0.58	Y		
10.1) M456 COMPLETE ROUND	Y	2012	ENSIGN BICKFORD / SIMSBURY, CT	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Dec 2012	5,172K	0.58	Y		
12.1) M980 COMPLETE ROUND		2011	ENSIGN BICKFORD / SIMSBURY, CT	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Dec 2011	83,561	19.04	Y		
12.1) M980 COMPLETE ROUND		2012	ENSIGN BICKFORD / SIMSBURY, CT	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Dec 2012	25,380	26.32	Y		
13.1) M986 COMPLETE ROUND		2010	ENSIGN BICKFORD / SIMSBURY, CT	C / FFP	ROCK ISLAND ARSENAL, IL	Apr 2010	Jan 2011	4,716	81.21	Y		
13.1) M986 COMPLETE ROUND		2011	ENSIGN BICKFORD / SIMSBURY, CT	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Dec 2011	4,090	93.40	Y		
13.1) M986 COMPLETE ROUND		2012	ENSIGN BICKFORD / SIMSBURY, CT	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Dec 2012	1,529	228.90	Y		
14.1) ML03 COMPLETE ROUND		2012	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	May 2012	Nov 2013	24,092	36.61	N		
15.1) ML04 LOAD, ASSEMBLE, PACK (LAP)		2010	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	C / FFP	ROCK ISLAND ARSENAL, IL	May 2010	Aug 2011	112	233.03	Y		
15.2) ML04 OCTOL TY II CL 2 (70/30)		2010	GOVERNMENT FURNISHED MATERIAL / STOCK ISSUE	TBD	ROCK ISLAND ARSENAL, IL	Oct 2009	Oct 2009	23	43.73	N		
15.4) ML04 GOVERNMENT FURNISHED MATERIAL - COMP CH-6		2010	GOVERNMENT FURNISHED MATERIAL / UNKNOWN	TBD	ROCK ISLAND ARSENAL, IL	Oct 2009	Oct 2009	5	13.36	N		
15.5) ML04 BOX METAL M2A1		2010	BWAY CORPORATION / ATLANTA, GA	TBD	ROCK ISLAND ARSENAL, IL	Mar 2010	Jun 2010	19	8.91	N		
15.6) ML04 PALLET MK3-0		2010	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	Dec 2009	Dec 2009	1	183.93	N		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1500 - Demolition Munitions, All Types					Item Nomenclature: Demolition Munitions, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
16.1) ML05 LOAD, ASSEMBLE, PACK (LAP)		2010	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	C / FFP	ROCK ISLAND ARSENAL, IL	May 2010	Aug 2011	88	228.47	Y		
16.1) ML05 LOAD, ASSEMBLE, PACK (LAP)		2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	May 2011	Aug 2012	1,514	221.95	N		
16.2) ML05 OCTOL TY II CL 2 (70/30)		2010	BAE ORDNANCE SYSTEMS / KINDSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Dec 2009	Jun 2010	199	45.13	N		
16.2) ML05 OCTOL TY II CL 2 (70/30)		2011	BAE ORDNANCE SYSTEMS / KINDSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Dec 2010	Jun 2011	3,706	33.19	N		
16.3) ML05 COMP CH-6		2010	GOVERNMENT FURNISHED MATERIAL / UNKNOWN	TBD	ROCK ISLAND ARSENAL, IL	Oct 2009	Oct 2009	4	13.36	N		
16.3) ML05 COMP CH-6		2011	GOVERNMENT FURNISHED MATERIAL / UNKNOWN	TBD	ROCK ISLAND ARSENAL, IL	Oct 2010	Oct 2010	77	13.00	N		
16.5) ML05 BOX METAL M2A1		2010	BWAY CORPORATION / ATLANTA, GA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2010	Jun 2010	44	8.91	N		
16.5) ML05 BOX METAL M2A1		2011	BWAY CORPORATION / ATLANTA, GA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2011	Jun 2011	852,273	0.01	Y		
16.6) ML05 PALLET MK3-0		2011	TO BE SELECTED / UNKNOWN	C / FFP	ROCK ISLAND ARSENAL, IL	May 2011	May 2011	10,184	0.20	N		
17.1) ML98 COMPLETE ROUND		2012	SHOCK TUBE INC / NOOSUP, CT	C / TBD	CRANE, CRANE, IN	Sep 2012	May 2013	843	2,373.00	Y		
18.1) MM24 COMPLETE ROUND		2010	STOCK ISSUE / New MFG - Loc	C / TBD	CRANE, CRANE, IN	Oct 2009	Oct 2009	6,363	21.06	N		
18.1) MM24 COMPLETE ROUND		2011	STOCK ISSUE / New MFG - Loc	C / TBD	CRANE, CRANE, IN	Oct 2010	Oct 2010	6,224	21.69	N		
20.1) MM41 COMPLETE ROUND		2010	TO BE SELECTED / UNKNOWN	C / IDDQ	CRANE, CRANE, IN	Mar 2011	Mar 2012	2,912	60.43	N		
21.1) MM42 COMPLETE ROUND		2010	TO BE SELECTED / UNKNOWN	C / IDDQ	CRANE, CRANE, IN	Mar 2011	Mar 2012	1,616	70.53	N		
21.1) MM42 COMPLETE ROUND		2011	TO BE SELECTED / UNKNOWN	C / IDDQ	CRANE, CRANE, IN	Mar 2011	Mar 2012	10,114	72.67	N		
22.1) MM44 COMPLETE ROUND		2010	TO BE SELECTED / UNKNOWN	C / IDIQ	CRANE, CRANE, IN	Mar 2011	Mar 2012	1,197	72.67	N		
22.1) MM44 COMPLETE ROUND		2011	TO BE SELECTED / UNKNOWN	C / IDIQ	CRANE, CRANE, IN	Mar 2011	Mar 2012	11,675	74.86	N		
23.1) MM45 COMPLETE ROUND		2010	TO BE SELECTED / UNKNOWN	C / IDIQ	CRANE, CRANE, IN	Mar 2011	Mar 2012	1,190	73.92	N		
23.1) MM45 COMPLETE ROUND		2011	TO BE SELECTED / UNKNOWN	C / IDIQ	CRANE, CRANE, IN	Mar 2011	Mar 2012	11,500	76.09	N		
24.1) MM46 COMPLETE ROUND		2011	TO BE SELECTED / UNKNOWN	C / IDIQ	CRANE, CRANE, IN	Mar 2011	Mar 2012	11,332	77.39	N		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1500 - Demolition Munitions, All Types					Item Nomenclature: Demolition Munitions, All Types			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
25.1) MM47 COMPLETE ROUND		2011	TO BE SELECTED / UNKNOWN	C / IDIQ	CRANE, CRANE, IN	Mar 2011	Mar 2012	6,517	78.72	N		
26.1) MM48 COMPLETE ROUND		2011	TO BE SELECTED / UNKNOWN	C / IDIQ	CRANE, CRANE, IN	Mar 2011	Mar 2012	10,992	80.06	N		
27.1) MM51 COMPLETE ROUND		2012	TO BE SELECTED / UNKNOWN	C / TBD	CRANE, CRANE, IN	Oct 2011	Oct 2011	53,692	16.93	N		
27.1) MM51 COMPLETE ROUND	Y	2012	TO BE SELECTED / UNKNOWN	C / TBD	CRANE, CRANE, IN	Oct 2011	Oct 2011	32,723	16.93	N		
28.1) MM52 COMPLETE ROUND		2010	ENSIGN BICKFORD / GRAHAM, KY	SS / FP	CRANE, CRANE, IN	Mar 2010	Sep 2010	10,146	24.05	Y		
28.1) MM52 COMPLETE ROUND	Y	2011	ENSIGN BICKFORD / GRAHAM, KY	SS / FP	CRANE, CRANE, IN	Oct 2011	Apr 2012	272,947	23.99	Y		
28.1) MM52 COMPLETE ROUND		2012	ENSIGN BICKFORD / GRAHAM, KY	C / TBD	** NO PCO **	Oct 2011	Apr 2012	28,473	33.47	N		
29.1) MM53 COMPLETE ROUND		2010	ENSIGN BICKFORD / SIMSBURY, CT	C / TBD	CRANE, CRANE, IN	Mar 2010	Dec 2010	9,639	31.33	Y		
29.1) MM53 COMPLETE ROUND		2011	ENSIGN BICKFORD / SIMSBURY, CT	C / TBD	CRANE, CRANE, IN	Mar 2011	Dec 2011	9,303	32.57	Y		
29.1) MM53 COMPLETE ROUND		2012	ENSIGN BICKFORD / SIMSBURY, CT	C / TBD	CRANE, CRANE, IN	Mar 2012	Dec 2012	23,132	33.59	Y		
29.1) MM53 COMPLETE ROUND	Y	2012	ENSIGN BICKFORD / SIMSBURY, CT	C / TBD	CRANE, CRANE, IN	Mar 2012	Dec 2012	18,101	33.59	Y		
30.1) MM54 COMPLETE ROUND		2010	ENSIGN BICKFORD / SIMSBURY, CT	C / TBD	CRANE, CRANE, IN	Mar 2010	Dec 2010	3,388	49.88	Y		
30.1) MM54 COMPLETE ROUND		2011	ENSIGN BICKFORD / SIMSBURY, CT	C / TBD	CRANE, CRANE, IN	Mar 2011	Dec 2011	3,200	53.12	Y		
30.1) MM54 COMPLETE ROUND		2012	ENSIGN BICKFORD / SIMSBURY, CT	C / TBD	CRANE, CRANE, IN	Mar 2012	Dec 2012	18,857	54.78	Y		
30.1) MM54 COMPLETE ROUND	Y	2012	ENSIGN BICKFORD / SIMSBURY, CT	C / TBD	CRANE, CRANE, IN	Mar 2012	Dec 2012	15,206	54.78	Y		
31.1) MN01 COMPLETE ROUND		2010	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	C / FP	CRANE, CRANE, IN	Mar 2011	Dec 2011	5	1,153.54	Y		
31.1) MN01 COMPLETE ROUND		2011	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	C / FP	CRANE, CRANE, IN	Mar 2012	Dec 2012	5	1,189.22	Y		
31.1) MN01 COMPLETE ROUND		2012	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	C / FP	CRANE, CRANE, IN	Mar 2012	Dec 2012	30	1,226.01	Y		
32.1) MN08 COMPLETE ROUND		2012	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL, NJ	May 2012	Aug 2013	305,108	6.46	Y		
32.1) MN08 COMPLETE ROUND	Y	2012	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL, NJ	May 2012	Aug 2013	154,799	6.46	Y		

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1	P-1 Line Item Nomenclature: 1500 - Demolition Munitions, All Types	Item Nomenclature: Demolition Munitions, All Types
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Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
33.1) MN11 COMPLETE ROUND		2011	SHOCK TUBE INC / NOOSUP, CT	C / FFP	CRANE, CRANE, IN	Sep 2011	May 2012	125	2,800.00	N		
34.1) MN14 COMPLETE ROUND		2011	STOCK ISSUE / New MFG - Loc	TBD	CRANE, CRANE, IN	Oct 2010	Oct 2010	22,369	74.12	N		
34.1) MN14 COMPLETE ROUND		2012	STOCK ISSUE / New MFG - Loc	TBD	CRANE, CRANE, IN	Oct 2011	Oct 2011	19,534	76.43	N		
35.1) MN50 COMPLETE ROUND		2010	TO BE SELECTED / UNKNOWN	C / FP	CRANE, CRANE, IN	Oct 2009	Oct 2009	4,353	44.80	Y		
36.1) MN52 COMPLETE ROUND		2010	SHOCK TUBE INC / NOOSUP, CT	SS / FP	CRANE, CRANE, IN	Sep 2010	May 2011	110,544	45.43	N		
36.1) MN52 COMPLETE ROUND		2011	SHOCK TUBE INC / NOOSUP, CT	SS / FP	CRANE, CRANE, IN	Sep 2011	May 2012	95,717	49.26	N		
36.1) MN52 COMPLETE ROUND		2012	SHOCK TUBE INC / NOOSUP, CT	SS / FP	CRANE, CRANE, IN	Sep 2012	May 2013	37,062	50.78	N		
37.1) MN69 COMPLETE ROUND		2010	SHOCK TUBE SYSTEMS, INC / STERLING, CT	C / FFP	PICATINNY ARSENAL, NJ	Mar 2010	Mar 2011	44,297	9.03	Y		
37.1) MN69 COMPLETE ROUND		2011	SHOCK TUBE SYSTEMS, INC / STERLING, CT	C / FFP	PICATINNY ARSENAL, NJ	Mar 2011	Mar 2012	26,384	9.21	Y		
37.1) MN69 COMPLETE ROUND		2012	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNY ARSENAL, NJ	May 2012	Aug 2013	19,066	7.92	Y		
38.1) MU42 COMPLETE ROUND		2012	ENSIGN BICKFORD / SIMSBURY, CT	C / TBD	CRANE, CRANE, IN	Mar 2012	Nov 2012	2,308K	0.13	Y		

Remarks:

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 : Marine Corps Ammunition	P-1 Line Item Nomenclature: 1625 - Fuze, All Types
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ID Code (A=Service Ready, B=Not Service Ready) : A **Related Program Elements:**

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	51.644	43.920	9.266	5.177	14.443	10.896	20.268	16.498	15.157	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	51.644	43.920	9.266	5.177	14.443	10.896	20.268	16.498	15.157	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	51.644	43.920	9.266	5.177	14.443	10.896	20.268	16.498	15.157	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

Base Appropriation Request:
 The Fuze, Point Detonating (PD) M739/M739A1 (DODIC N340) is the latest improved version of the selective impact fuzes for use with bulk loaded high explosive or burster type projectiles. This fuze is fired from the M198 155mm Medium Towed Howitzer and the M777 Lightweight Towed Howitzer Weapon System. The fuze body is a one-piece design of solid aluminum and has a standard 2-inch threaded base to match the nose and fuze cavity of standard artillery projectiles.

Fuze Electronic Time (DODIC NA17) is used with projectiles carrying payloads that are expelled during projectile flight (airburst). This fuze is fired from the M198 155mm Medium Towed Howitzer and the M777 Lightweight Towed Howitzer Weapon System. It has the capability to be set inductively or manually.

Fuze, Precision Guidance Kit (DODIC NPGK) is used with 155mm projectiles carrying HE payloads. This fuze is fired from the M198 155mm Medium Towed Howitzer and the M777 Lightweight Towed Howitzer Weapon System.

FY12 Overseas Contingency Operations request (OCO):
 The Fuze, Point Detonating (PD) M739/M739A1 (DODIC N340), \$5.177, is the latest improved version of the selective impact fuzes for use with bulk loaded high explosive or burster type projectiles. This fuze is fired from the M198 155mm Medium Towed Howitzer and the M777 Lightweight Towed Howitzer Weapon System. The fuze body is a one-piece design of solid aluminum and has a standard 2-inch threaded base to match the nose and fuze cavity of standard artillery projectiles. Lack of funding to replace training expenditures will further erode the USMC's War Reserve Munitions Requirement (WRMR) and training stockpile and negatively affect our ability to execute another MCO and/or prepare our Marines for war.

Remarks:

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1							P-1 Line Item Nomenclature: 1625 - Fuze, All Types								Item Nomenclature: Fuze, All Types				

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
1) N340 FUZE PD M739A1		-	-	-	-	-	9.733	-	-	4.762	-	-	4.573	-	-	5.177	-	-	9.750
† 1.1) N340 COMPLETE ROUND	A	-	-	-	67.30	129,822	8.737	71.07	54,721	3.889	68.43	53,500	3.661	68.43	71,708	4.907	68.43	125,208	8.568
1.2) N340 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.598	-	-	0.633	-	-	0.641	-	-	-	-	-	0.641
1.3) N340 ACCEPTANCE TESTING	A	-	-	-	-	-	0.251	-	-	0.240	-	-	0.201	-	-	0.270	-	-	0.471
1.4) N340 NON-RECURRING	A	-	-	-	-	-	0.147	-	-	-	-	-	0.070	-	-	-	-	-	0.070
2) NA17 FUZE ELECTRONIC TIME M762A1		-	-	-	-	-	21.911	-	-	5.270	-	-	4.693	-	-	-	-	-	4.693
† 2.1) NA17 COMPLETE ROUND	A	-	-	-	208.07	99,938	20.794	220.98	19,694	4.352	238.36	15,867	3.782	-	-	-	238.36	15,867	3.782
2.2) NA17 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.573	-	-	0.678	-	-	0.600	-	-	-	-	-	0.600
2.3) NA17 ACCEPTANCE TESTING	A	-	-	-	-	-	0.544	-	-	0.240	-	-	0.136	-	-	-	-	-	0.136
2.4) NA17 NON-RECURRING COSTS	A	-	-	-	-	-	-	-	-	-	-	-	0.175	-	-	-	-	-	0.175
3) NA28 PRECISION GUIDED KIT		-	-	-	-	-	20.000	-	-	33.888	-	-	0.000	-	-	-	-	-	0.000
† 3.1) NA28 COMPLETE FUZE	A	-	-	-	3.80	4,808K	18.246	3.79	7,878K	29.896	-	-	0.000	-	-	-	-	-	0.000
3.2) NA28 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.900	-	-	1.920	-	-	0.000	-	-	-	-	-	0.000
3.3) NA28 QUALITY ASSURANCE	A	-	-	-	-	-	-	-	-	0.075	-	-	0.000	-	-	-	-	-	0.000
3.4) NA28 ACCEPTANCE TESTING	A	-	-	-	-	-	0.850	-	-	1.895	-	-	0.000	-	-	-	-	-	0.000
3.5) NA28 NON-RECURRING COSTS	A	-	-	-	-	-	-	-	-	0.095	-	-	0.000	-	-	-	-	-	0.000
3.6) NA28 ESIP	A	-	-	-	-	-	0.004	-	-	0.007	-	-	0.000	-	-	-	-	-	0.000

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Exhibit P-5, Cost Analysis : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1625 - Fuze, All Types **Item Nomenclature:** Fuze, All Types

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
Gross/Weapon System Cost		-	-	-	-	-	51.644	-	-	43.920	-	-	9.266	-	-	5.177	-	-	14.443
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P1)		-	-	-	-	-	51.644	-	-	43.920	-	-	9.266	-	-	5.177	-	-	14.443
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Obligation Authority		-	-	-	-	-	51.644	-	-	43.920	-	-	9.266	-	-	5.177	-	-	14.443
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Remarks:

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1	P-1 Line Item Nomenclature: 1625 - Fuze, All Types	Item Nomenclature: Fuze, All Types
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Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1.1) N340 COMPLETE ROUND	Y	2010	ACTION MANUFACTURING INC / PHILADELPHIA, PA	C / FFP	PICATINNEY ARSENAL	Jul 2010	Mar 2012	129,822	67.30	Y		
1.1) N340 COMPLETE ROUND		2011	ACTION MANUFACTURING INC / PHILADELPHIA, PA	C / FFP	PICATINNEY ARSENAL	Mar 2011	Mar 2013	54,721	71.07	Y		
1.1) N340 COMPLETE ROUND		2012	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNEY ARSENAL	Mar 2012	Mar 2014	53,500	68.43	Y		
1.1) N340 COMPLETE ROUND	Y	2012	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNEY ARSENAL	Mar 2012	Mar 2014	71,708	68.43	Y		
2.1) NA17 COMPLETE ROUND	Y	2010	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINATTI, OH	C / FFP	PICATINNEY ARSENAL	Mar 2010	Mar 2012	99,938	208.07	Y		
2.1) NA17 COMPLETE ROUND		2011	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINATTI, OH	C / FFP	PICATINNEY ARSENAL	Mar 2011	Mar 2013	19,694	220.98	Y		
2.1) NA17 COMPLETE ROUND		2012	TO BE SELECTED / UNKNOWN	C / FFP	PICATINNEY ARSENAL	Mar 2012	Mar 2014	15,867	238.36	Y		
3.1) NA28 COMPLETE FUZE	Y	2010	ALLIANT TECH SYSTEMS INC / PLYMOUTH, MN	C / FFP	PICATINNEY ARSENAL	Dec 2010	Aug 2011	4,808K	3.80	Y		
3.1) NA28 COMPLETE FUZE		2011	ALLIANT TECH SYSTEMS INC / PLYMOUTH, MN	C / FFP	PICATINNEY ARSENAL	Mar 2011	Jan 2012	1,558K	3.80	Y		
3.1) NA28 COMPLETE FUZE	Y	2011	ALLIANT TECH SYSTEMS INC / PLYMOUTH, MN	C / FFP	PICATINNEY ARSENAL	Mar 2011	Jan 2012	6,320K	3.80	Y		

Remarks:

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1625 - Fuze, All Types **Item Nomenclature:** Fuze, All Types

COST ELEMENTS Units in Thousands							Fiscal Year 2010														Fiscal Year 2011														Later
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	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					
1.1) N340 COMPLETE ROUND																																			
x	31	2010	Navy	129.8	-	129.8	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	129.8	
	31	2011	Navy	54.72	-	54.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	54.72	
	32 ⁽¹⁾	2012	Navy	53.5	-	53.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.5		
x	32 ⁽²⁾	2012	Navy	71.71	-	71.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	71.71		
							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					

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1625 - Fuze, All Types **Item Nomenclature:** Fuze, All Types

COST ELEMENTS Units in Thousands							Fiscal Year 2012														Fiscal Year 2013												Later	
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	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	J U N	J U L	A U G	S E P				
1.1) N340 COMPLETE ROUND																																		
x	31	2010	Navy	129.8	-	129.8	-	-	-	-	-	10.91	10.81	10.81	10.81	10.81	10.81	10.81	10.81	10.81	10.81	10.81	10.81	10.81	10.81	-	-	-	-	-	-	-		
	31	2011	Navy	54.72	-	54.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.56	4.56	4.56	4.56	4.56	4.56	4.56	22.8
	32 ⁽¹⁾	2012	Navy	53.5	-	53.5	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.5		
x	32 ⁽²⁾	2012	Navy	71.71	-	71.71	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	71.71			
							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				

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1625 - Fuze, All Types **Item Nomenclature:** Fuze, All Types

COST ELEMENTS Units in Thousands							Fiscal Year 2014														Fiscal Year 2015														Later
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	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	J U N	J U L	A U G	S E P					
1.1) N340 COMPLETE ROUND																																			
x	31	2010	Navy	129.8	129.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	31	2011	Navy	54.72	31.92	22.8	4.56	4.56	4.56	4.56	4.56	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	32 ⁽¹⁾	2012	Navy	53.5	-	53.5	-	-	-	-	-	-	3.63	3.55	3.55	3.55	3.55	3.55	3.55	3.55	3.55	3.55	3.55	3.55	-	-	-	-	-	-					
x	32 ⁽²⁾	2012	Navy	71.71	-	71.71	-	-	-	-	-	-	4.82	4.79	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76	-	-	-	-	-	-					
							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					

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEAD TIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total
1	ACTION MANUFACTURING INC - PHILADELPHIA, PA	10	15	25	6	6	24	30	6	6	24	30
2	TO BE SELECTED - UNKNOWN	10	15	25	6	6	24	30	6	6	24	30

Remarks:
⁽¹⁾Delivery goes beyond 12 months.
⁽²⁾Delivery goes beyond 12 months

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 : Marine Corps Ammunition	P-1 Line Item Nomenclature: 1628 - Non Lethals
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ID Code (A=Service Ready, B=Not Service Ready) : A	Related Program Elements:
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	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	3.025	3.040	2.927	0.712	3.639	3.922	8.127	7.799	8.951	0.000	38.503
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	3.025	3.040	2.927	0.712	3.639	3.922	8.127	7.799	8.951	0.000	38.503
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	3.025	3.040	2.927	0.712	3.639	3.922	8.127	7.799	8.951	0.000	38.503
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Base Appropriation Request:

The Cartridge, 12 Gauge Non-Lethal Bean Bag (DODIC AA29) is intended for use in crowd control situations where non-lethal force is desired. This cartridge is used with the M500, M590, and M870 12 gauge auto-loading and pump action shotguns. The plastic sleeve contains a lead shot-filled fabric or nylon bag.

The Cartridge, 12 Gauge Launching for Grenade Non-Lethal (DODIC AA30) is intended for use in crowd control situations where non-lethal force is desired. This cartridge is used in conjunction with the 12-gauge launch cup on the M500, M590, and M870 12 gauge, Auto loading, and Pump-action Shotguns to launch the rubber ball non-lethal grenade (DODIC GG04).

The Cartridge, 12 Gauge Rubber Fin Stabilized Non-Lethal (DODIC AA31) ammunition is intended for use in crowd control situations where non-lethal force is desired. This cartridge is used with the M500, M590, and M870 12-gauge, auto loading, and pump-action shotguns. The transparent plastic sleeve contains a rubber, fin stabilized projectile.

The Cartridge, 12 Gauge Non-Lethal Point Control M1012(DODIC AA51) ammunition is intended for use in crowd control situations where non-lethal force is desired. This cartridge is used with the M500, M590, and M870 12-gauge, auto loading, and pump-action shotguns. The transparent plastic sleeve contains a rubber, fin stabilized projectile. This item will replace DODICs AA29 and AA31 for future requirements.

The Cartridge, 40mm XM/M1006, Non-Lethal (Sponge Grenade) (DODIC BA06) is intended for use in scenarios where lethal incapacitating force is not warranted. The cartridge is used in the M203 Grenade Launcher.

The Cartridge, 40mm Foam Rubber Baton Non-Lethal (DODIC BA07) is intended for use in scenarios where lethal incapacitating force is not warranted. The cartridge is used in M203 Grenade Launchers. The projectile consists of three foam rubber batons in an aluminum case.

The Cartridge, 40mm Rubber Ball Non-Lethal (DODIC BA08) is intended for use in scenarios where lethal incapacitating force is not warranted. The cartridge is used in the M203 Grenade Launcher. The cartridge contains 22 each .60 caliber rubber balls in an aluminum cartridge case. The rubber balls have a nominal velocity of 325 feet/second at a distance of 3 feet from the muzzle of the M203 Grenade Launcher.

The Grenade, 66mm Anti-Riot CS(orthochlorobenzalmalonitrile) L96E1 (DODIC FZ14), is used in the Light Vehicle Obscurant Smoke System (LVOSS). It is comprised of 23 individual canisters remotely fired from the vehicle interior.

The Grenade, 66mm Anti-Riot cinammic acid L97E1 (DODIC FZ15) is used in training on the Light Vehicle Obscurant Smoke System (LVOSS). It is comprised of 23 individual canisters remotely fired from the vehicle interior.

The M99 Blunt Trauma Grenade (DODIC FZ17) uses a pyrotechnic charge to discharge 32 rubber balls and achieve crowd control through physical stimuli. The M99 is used with the Light Vehicle Obscurant Smoke System (LVOSS).

The Grenade, Rubber Ball Non-Lethal (DODIC GG04) is used in crowd control situations where non-lethal force is desired. The grenade body is a rubber sphere that contains a fuze well liner and is filled with a minimum of 100 rubber ball fragments.

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy		Date: February 2011
Appropriation / Budget Activity / Budget Sub Activity: 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 : Marine Corps Ammunition		P-1 Line Item Nomenclature: 1628 - Non Lethals
ID Code (A=Service Ready, B=Not Service Ready) : A	Related Program Elements:	
<p>The Grenade, Practice Body Non-Lethal (DODIC GG13) will replace GG05 and is the practice version of DODIC GG04. The grenade body is a rubber sphere that contains a fuze well liner and is filled with .50 caliber rubber pellets. The rubber ball pellets remain within the body. The grenade body was designed to be utilized with the M201A1-1 Pyrotechnic Delay-igniting Fuze, DODIC GG14.</p> <p>The Fuze, Hand Grenade (DODIC GG14) is a pyrotechnic delay-igniting fuze. The body contains a primer, first-fire mixture, pyrotechnic delay column, and ignition mixture. Assembled to the body are a striker, striker spring, safety lever and safety pin with pull ring. The split end of the safety pin has an angular spread. The M201A1 (NSN 1330-00-293-9516) is used on smoke and incendiary grenades. Removal of the safety pin permits release of the safety lever.</p> <p>The Charge, Diversionary, Bottom Top Venting, BTV-1, (DODIC GG20) is a pyrotechnic device (grenade) used for diversionary purposes. The diversionary charge is a low hazard, nonshrapnel producing explosive device that produces intense flash and sound report. This replaces the Charge, Diversionary MK141 Mod 0 (DODIC DWBS) due to safety and reliability concerns.</p> <p>FY12 Overseas Contingency Operations Request (OCO): DODIC GG04, \$0.712. Lack of funding to replace combat expenditures will further erode the USMC's War Reserve Munitions Requirement stockpile and negatively affect our ability to execute another MCO, if required.</p>		
Remarks:		

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity:					P-1 Line Item Nomenclature:					Item Nomenclature:									
1508N / BA 2 / BSA 1					1628 - Non Lethals					Non Lethals									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
1) AA29 CTG, 12 GAUGE BEAN BAG, NON LETHAL		-	-	-	-	-	0.199	-	-	0.220	-	-	0.000	-	-	-	-	-	0.000
† 1.1) AA29 COMPLETE ROUND	A	-	-	-	3.11	63,987	0.199	3.21	68,535	0.220	-	-	0.000	-	-	-	-	-	0.000
2) AA30 CTG, 12 GAUGE LAUNCHING FOR GRENADE		-	-	-	-	-	-	-	-	0.250	-	-	0.000	-	-	-	-	-	0.000
† 2.1) AA30 COMPLETE ROUND	A	-	-	-	-	-	-	3.50	71,428	0.250	-	-	0.000	-	-	-	-	-	0.000
3) AA31 CTG, 12 GAUGE RUBBER, FIN STABILIZED		-	-	-	-	-	-	-	-	0.250	-	-	0.000	-	-	-	-	-	0.000
† 3.1) AA31 COMPLETE ROUND	A	-	-	-	-	-	-	3.65	68,493	0.250	-	-	0.000	-	-	-	-	-	0.000
4) AA51 CTG, 12 GAUGE NON-LETHAL POINT CONTROL M1012		-	-	-	-	-	-	-	-	-	-	-	1.000	-	-	-	-	-	1.000
† 4.1) AA51 COMPLETE ROUND	A	-	-	-	-	-	-	-	-	-	4.05	182,345	0.739	-	-	-	4.05	182,345	0.739
4.2) AA51 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	0.261	-	-	-	-	-	0.261
5) BA06 CTG 40MM XM / M1006, NON-LETHAL (SPONGE GR)		-	-	-	-	-	-	-	-	-	-	-	0.500	-	-	-	-	-	0.500
† 5.1) BA06 COMPLETE ROUND	A	-	-	-	-	-	-	-	-	-	10.77	7,151	0.077	-	-	-	10.77	7,151	0.077
5.2) BA06 PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	0.423	-	-	-	-	-	0.423
6) BA07 CTG, 40MM FOAM RUBBER BATON, NON-LETHAL		-	-	-	-	-	-	-	-	0.250	-	-	0.000	-	-	-	-	-	0.000
† 6.1) BA07 COMPLETE ROUND	A	-	-	-	-	-	-	8.95	27,932	0.250	-	-	0.000	-	-	-	-	-	0.000
7) BA08 CTG, 40MM RUBBER BALL, NON- LETHAL		-	-	-	-	-	-	-	-	0.250	-	-	0.000	-	-	-	-	-	0.000
† 7.1) BA08 COMPLETE ROUND	A	-	-	-	-	-	-	9.08	27,533	0.250	-	-	0.000	-	-	-	-	-	0.000

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1					P-1 Line Item Nomenclature: 1628 - Non Lethals					Item Nomenclature: Non Lethals									
Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
8) FZ14 RIOT CONTROL (CS) GRENADE L96		-	-	-	-	-	0.045	-	-	0.064	-	-	0.000	-	-	-	-	-	0.000
† 8.1) FZ14 LOAD, ASSEMBLE AND PACK (LAP)	A	-	-	-	192.31	234	0.045	195.12	328	0.064	-	-	0.000	-	-	-	-	-	0.000
9) FZ15 PRACTICE RIOT CONTROL (CS) GRENADE L97		-	-	-	-	-	0.100	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 9.1) FZ15 LOAD, ASSEMBLE AND PACK (LAP)	A	-	-	-	130.89	764	0.100	-	-	-	-	-	0.000	-	-	-	-	-	0.000
10) FZ17 BLUNT TRAUMA GRENADE, M99 F/LVOS		-	-	-	-	-	0.150	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 10.1) FZ17 LOAD, ASSEMBLE AND PACK (LAP)	A	-	-	-	268.82	558	0.150	-	-	-	-	-	0.000	-	-	-	-	-	0.000
11) GG04 GREANDE, HAND, RUBBER BALL NON-LETHAL		-	-	-	-	-	0.250	-	-	-	-	-	1.427	-	-	0.712	-	-	2.139
† 11.1) GG04 COMPLETE ROUND	A	-	-	-	-	-	-	-	-	-	22.66	36,451	0.826	22.66	31,421	0.712	22.66	67,872	1.538
11.2) GG04 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.250	-	-	-	-	-	0.601	-	-	-	-	-	0.601
12) GG13 GRENADE, PRACTICE, BODY, NON-LETHAL		-	-	-	-	-	-	-	-	0.250	-	-	0.000	-	-	-	-	-	0.000
† 12.1) GG13 COMPLETE ROUND	A	-	-	-	-	-	-	24.39	10,250	0.250	-	-	0.000	-	-	-	-	-	0.000
13) GG14 FUZE, HAND GREANDE PRACTICE		-	-	-	-	-	-	-	-	0.250	-	-	0.000	-	-	-	-	-	0.000
† 13.1) GG14 COMPLETE ROUND	A	-	-	-	-	-	-	15.80	15,822	0.250	-	-	0.000	-	-	-	-	-	0.000
14) GG20 GRENADE, HAND STUD, BTV-1 BL		-	-	-	-	-	2.281	-	-	1.256	-	-	0.000	-	-	-	-	-	0.000
† 14.1) GG20 COMPLETE ROUND	A	-	-	-	51.18	44,157	2.260	54.21	22,708	1.231	-	-	0.000	-	-	-	-	-	0.000
14.2) GG20 PRODUCTION ENGINEERING	A	-	-	-	-	-	0.021	-	-	0.025	-	-	0.000	-	-	-	-	-	0.000

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Exhibit P-5, Cost Analysis : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 1628 - Non Lethals **Item Nomenclature:** Non Lethals

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Unit Cost \$	Qty Each	Total Cost \$M	Base Unit Cost \$	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$	Total Qty Each	Total Cost \$M
Gross/Weapon System Cost		-	-	-	-	-	3.025	-	-	3.040	-	-	2.927	-	-	0.712	-	-	3.639
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	-	-	-	3.025	-	-	3.040	-	-	2.927	-	-	0.712	-	-	3.639
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	-	-	-	3.025	-	-	3.040	-	-	2.927	-	-	0.712	-	-	3.639
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:

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Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Navy										Date: February 2011		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1				P-1 Line Item Nomenclature: 1628 - Non Lethals					Item Nomenclature: Non Lethals			
Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1.1) AA29 COMPLETE ROUND		2010	UNKNOWN / UNKNOWN	C / TBD	Rock Island Arsenal, IL	Mar 2011	Sep 2011	63,987	3.11	Y		
1.1) AA29 COMPLETE ROUND		2011	UNKNOWN / UNKNOWN	C / TBD	Rock Island Arsenal, IL	Mar 2011	Sep 2011	68,535	3.21	Y		
2.1) AA30 COMPLETE ROUND		2011	UNKNOWN / UNKNOWN	C / TBD	Rock Island Arsenal, IL	Mar 2011	Oct 2011	71,428	3.50	Y		
3.1) AA31 COMPLETE ROUND		2011	UNKNOWN / UNKNOWN	C / TBD	Rock Island Arsenal, IL	Mar 2011	Sep 2011	68,493	3.65	Y		
4.1) AA51 COMPLETE ROUND		2012	UNKNOWN / UNKNOWN	SS / FFP	ARDEC, PICATINNY, NJ	May 2012	Aug 2013	182,345	4.05	Y		
5.1) BA06 COMPLETE ROUND		2012	UNKNOWN / UNKNOWN	C / TBD	ARDEC, PICATINNY, NJ	Mar 2012	Mar 2013	7,151	10.77	Y		
6.1) BA07 COMPLETE ROUND		2011	UNKNOWN / UNKNOWN	C / TBD	Rock Island Arsenal, IL	Mar 2011	Sep 2011	27,932	8.95	Y		
7.1) BA08 COMPLETE ROUND		2011	UNKNOWN / UNKNOWN	C / TBD	Rock Island Arsenal, IL	Mar 2011	Sep 2011	27,533	9.08	Y		
8.1) FZ14 LOAD, ASSEMBLE AND PACK (LAP)		2010	PW DEFENSE / DERBY, UK	SS / FP	ARDEC, PICATINNY, NJ	Mar 2010	Mar 2011	234	192.31	Y		
8.1) FZ14 LOAD, ASSEMBLE AND PACK (LAP)		2011	PW DEFENSE / DERBY, UK	SS / FP	ARDEC, PICATINNY, NJ	Mar 2011	Sep 2011	328	195.12	Y		
9.1) FZ15 LOAD, ASSEMBLE AND PACK (LAP)		2010	PW DEFENSE / DERBY, UK	C / TBD	ARDEC, PICATINNY, NJ	Mar 2010	Mar 2011	764	130.89	Y		
10.1) FZ17 LOAD, ASSEMBLE AND PACK (LAP)		2010	PW DEFENSE / DERBY, UK	C / TBD	Rock Island Arsenal, IL	Mar 2010	Mar 2011	558	268.82	Y		
11.1) GG04 COMPLETE ROUND		2012	COMBINED SYSTEMS INC. / JAMESTOWN, NY	C / FFP	ARDEC, PICATINNY, NJ	Mar 2012	Sep 2013	36,451	22.66	Y		
11.1) GG04 COMPLETE ROUND	Y	2012	COMBINED SYSTEMS INC. / JAMESTOWN, NY	C / FFP	ARDEC, PICATINNY, NJ	Mar 2012	Sep 2013	31,421	22.66	Y		
12.1) GG13 COMPLETE ROUND		2011	UNKNOWN / UNKNOWN	C / TBD	Rock Island Arsenal, IL	Mar 2011	Oct 2011	10,250	24.39	Y		
13.1) GG14 COMPLETE ROUND		2011	UNKNOWN / UNKNOWN	C / TBD	ARDEC, PICATINNY, NJ	Mar 2011	Mar 2012	15,822	15.80	Y		
14.1) GG20 COMPLETE ROUND		2010	RHEINMETALL / TRITTAU, GERMANY	SS / FP	NSWC, CRANE, IN	Mar 2011	Sep 2011	44,157	51.18	Y		
14.1) GG20 COMPLETE ROUND		2011	RHEINMETALL / TRITTAU, GERMANY	SS / FP	NSWC, CRANE, IN	Mar 2012	Sep 2012	22,136	54.21	Y		
14.1) GG20 COMPLETE ROUND	Y	2011	RHEINMETALL / TRITTAU, GERMANY	SS / FP	NSWC, CRANE, IN	Mar 2012	Sep 2012	572	54.21	N		
Remarks:												

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity:
 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 :
 Marine Corps Ammunition

P-1 Line Item Nomenclature:
 1630 - Ammo Modernization

ID Code (A=Service Ready, B=Not Service Ready) : A **Related Program Elements:**

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	8.859	8.985	8.557	-	8.557	9.236	17.300	9.476	11.401	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	8.859	8.985	8.557	-	8.557	9.236	17.300	9.476	11.401	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	8.859	8.985	8.557	-	8.557	9.236	17.300	9.476	11.401	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

Base Appropriation Request:
 The 40MM Ammunition Modernization (DODIC AM01) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.
 The Rockets Ammunition Modernization (DODIC AM02) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.
 The Line charges Ammunition Modernization (DODIC AM03) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.
 The Components Ammunition Modernization (DODIC AM04) consists of the procurement of components of various items/DODICs and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.
 The Missiles Ammunition Modernization (DODIC AM05) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.
 The Quality Evaluation Ammunition Modernization (DODIC AM06) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.
 Ammunition modernization (DODIC AMMO MOD) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.

Remarks:

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Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Navy					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1		P-1 Line Item Nomenclature: 1630 - Ammo Modernization			Aggregated Item Name: Various	
(\$ in Millions, Unit \$ in Dollars, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<i>(Uncategorized)</i>		8.859	8.985	8.557	0.000	8.557
0.1) AMO1, CTG, 40MM	A	1.711	1.846	1.571	-	1.571
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
0.2) AMO2, ROCKETS AMMO MOD	A	1.409	1.459	1.532	-	1.532
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
0.3) AMO3, LINE CHARGE AMMO MOD	A	1.409	1.459	1.532	-	1.532
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
0.4) AMO4, COMPONENTS AMMO MOD	A	1.409	1.459	1.220	-	1.220
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
0.5) AMO5, MISSILE COMP AMMO MOD	A	1.409	1.459	1.532	-	1.532
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
0.6) AMO6, QUAL EVAL AMMO MOD	A	1.506	1.272	1.121	-	1.121
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
0.7) AMMO, AMMO MOD	A	0.006	0.031	0.049	-	0.049
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
Total		8.859	8.985	8.557	0.000	8.557
Remarks:						

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Exhibit P-40, Budget Item Justification Sheet : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N : Procurement of Ammo, Navy & MC / BA 2 : Proc Ammo, MC / BSA 1 : Marine Corps Ammunition	P-1 Line Item Nomenclature: 1660 - Items less than \$5 million
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ID Code (A=Service Ready, B=Not Service Ready) : A **Related Program Elements:**

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	5.534	4.269	3.880	0.630	4.510	4.094	4.130	4.205	4.277	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	5.534	4.269	3.880	0.630	4.510	4.094	4.130	4.205	4.277	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	5.534	4.269	3.880	0.630	4.510	4.094	4.130	4.205	4.277	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

Base Appropriation Request:
 Funds are identified to support drug interdiction requirements (DODIC: DRUG INT).
 The FDTC line is transportation funds that are required to support the distribution of Marine Corps' ammunition end items from manufacturing plants assembly points. These funds directly support training and readiness requirements of Marines in the field (CONUS or OCONUS).
 The MSGB line is funds that support the Marine Security Guard Battalion ammunition requirements which are procured through the U.S. State Department.
 FY12 Overseas Contingency Operations Request (OCO):
 DODIC FDTC, \$0.630. The OCO First Destination Transportation (FDT) funding is critical to offsetting cost for the movement of newly OCO procured ammunition and components from the contractor's plant to the initial point of receipt for subsequent shipment to its destination.

Remarks:

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Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Navy					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 2 / BSA 1		P-1 Line Item Nomenclature: 1660 - Items less than \$5 million			Aggregated Item Name: Various	
(\$ in Millions, Unit \$ in Dollars, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<i>(Uncategorized)</i>		5.534	4.269	3.880	0.630	4.510
0.1) DRUG INT, DRUG INTERDICTION	A	0.337	-	0.000	-	0.000
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
0.2) FDTC, FIRST DESTINATION TRANSPORTATION CHARGE	A	4.797	3.869	3.480	0.630	4.110
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
0.3) MSGB, MARINE SECURITY GUARD BATTALION AMMO	A	0.400	0.400	0.400	-	0.400
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
Total		5.534	4.269	3.880	0.630	4.510

Remarks: