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

February 2011



Navy

Justification Book Volume 1

Procurement of Ammo, Navy & MC

BUDGET ACTIVITY 1

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

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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	604,182	459,188	194,816	654,004
Total Department of the Navy	604,182	459,188	194,816	654,004

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of January 25, 2011 at 14:47:34

* 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
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25 Jan 2011

Appropriation -----	FY 2011 Annualized CR Base** -----	FY 2011 Annualized CR OCO** -----	FY 2011 Annualized CR Total** -----
Procurement of Ammo, Navy & MC	448,067	233,040	681,107
Total Department of the Navy	448,067	233,040	681,107

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Total Obligational Authority
(Dollars in Thousands)

25 Jan 2011

Appropriation -----	FY 2012 Base -----	FY 2012 OCO -----	FY 2012 Total -----
Procurement of Ammo, Navy & MC	395,355	134,983	530,338
Total Department of the Navy	395,355	134,983	530,338

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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* -----
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Total Procurement of Ammo, Navy & MC	604,182	459,188	194,816	654,004

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Appropriation: Procurement of Ammo, Navy & MC

Budget Activity -----	FY 2011 Annualized CR Base** -----	FY 2011 Annualized CR OCO** -----	FY 2011 Annualized CR Total** -----
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25 Jan 2011

Appropriation: Procurement of Ammo, Navy & MC

Budget Activity -----	FY 2012 Base -----	FY 2012 OCO -----	FY 2012 Total -----
01. Proc Ammo, Navy	395,355	134,983	530,338
Total Procurement of Ammo, Navy & MC	395,355	134,983	530,338

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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 01: Proc Ammo, Navy											

Navy Ammunition											
1	General Purpose Bombs	A		113,501		80,028		6,060		86,088	U
2	JDAM	B		1,962							U
3	Airborne Rockets, All Types	A		75,034		38,721		76,043		114,764	U
4	Machine Gun Ammunition	A		92,402		21,003		69,660		90,663	U
5	Practice Bombs	A		28,016		33,666				33,666	U
6	Cartridges & Cart Actuated Devices	A		47,852		53,667				53,667	U
7	Air Expendable Countermeasures	A		84,413		59,626		33,632		93,258	U
8	JATOS	A		3,220		2,869				2,869	U
9	5 Inch/54 Gun Ammunition	A		23,364		34,492				34,492	U
10	Intermediate Caliber Gun Ammunition	A		25,894		37,234				37,234	U
11	Other Ship Gun Ammunition	A		38,658		36,275		455		36,730	U
12	Small Arms & Landing Party Ammo	A		54,630		46,192		7,757		53,949	U
13	Pyrotechnic And Demolition	A		12,032		11,310		1,209		12,519	U
14	Ammunition Less Than \$5 Million	A		3,204		4,105				4,105	U
Total Proc Ammo, Navy				604,182		459,188		194,816		654,004	
Total Procurement of Ammo, Navy & MC				604,182		459,188		194,816		654,004	

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of January 25, 2011 at 14:47:34

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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 01: Proc Ammo, Navy									

Navy Ammunition									
1	General Purpose Bombs	A		78,090		7,249		85,339	U
2	JDAM	B							U
3	Airborne Rockets, All Types	A		37,783		90,963		128,746	U
4	Machine Gun Ammunition	A		20,494		83,328		103,822	U
5	Practice Bombs	A		32,851				32,851	U
6	Cartridges & Cart Actuated Devices	A		52,367				52,367	U
7	Air Expendable Countermeasures	A		58,182		40,231		98,413	U
8	JATOS	A		2,800				2,800	U
9	5 Inch/54 Gun Ammunition	A		33,657				33,657	U
10	Intermediate Caliber Gun Ammunition	A		36,332				36,332	U
11	Other Ship Gun Ammunition	A		35,396		544		35,940	U
12	Small Arms & Landing Party Ammo	A		45,073		9,279		54,352	U
13	Pyrotechnic And Demolition	A		11,036		1,446		12,482	U
14	Ammunition Less Than \$5 Million	A		4,006				4,006	U
Total Proc Ammo, Navy				448,067		233,040		681,107	
Total Procurement of Ammo, Navy & MC				448,067		233,040		681,107	

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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 01: Proc Ammo, Navy									

Navy Ammunition									
1	General Purpose Bombs	A		64,766				64,766	U
2	JDAM	B							U
3	Airborne Rockets, All Types	A		38,264		80,200		118,464	U
4	Machine Gun Ammunition	A		17,788		22,400		40,188	U
5	Practice Bombs	A		35,289				35,289	U
6	Cartridges & Cart Actuated Devices	A		49,416				49,416	U
7	Air Expendable Countermeasures	A		60,677		20,000		80,677	U
8	JATOS	A		2,766				2,766	U
9	5 Inch/54 Gun Ammunition	A		19,006				19,006	U
10	Intermediate Caliber Gun Ammunition	A		19,320				19,320	U
11	Other Ship Gun Ammunition	A		21,938		182		22,120	U
12	Small Arms & Landing Party Ammo	A		51,819		4,545		56,364	U
13	Pyrotechnic And Demolition	A		10,199		1,656		11,855	U
14	Ammunition Less Than \$5 Million	A		4,107		6,000		10,107	U
Total Proc Ammo, Navy				395,355		134,983		530,338	
Total Procurement of Ammo, Navy & MC				395,355		134,983		530,338	

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of January 25, 2011 at 14:47:34

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

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

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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 1 : Proc Ammo, Navy / BSA 1 : Navy Ammunition	P-1 Line Item Nomenclature: 0145 - General Purpose Bombs
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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)	1,693.600	113.501	86.088	64.766	-	64.766	48.453	48.563	88.973	90.129	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,693.600	113.501	86.088	64.766	-	64.766	48.453	48.563	88.973	90.129	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,693.600	113.501	86.088	64.766	-	64.766	48.453	48.563	88.973	90.129	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

BLU-109 : The procurement of the BLU-109 is to maintain war reserve posture. The BLU-109 Penetrator is a 2,000 lb Bomb that is loaded with plastic bonded explosive (PBXN-109) to enhance its insensitive munitions performance.

BLU-110: The procurement is for expenditure replacement and to maintain war reserve. The BLU-110A/B is a 1,000 lb General Purpose Thermally Protected Bomb that is loaded with plastic bonded explosive (PBXN-109) to enhance its insensitive munitions performance.

BLU-111: The procurement is for expenditure replacement and to maintain war reserve. The BLU-111A/B is a 500 lb General Purpose Thermally Protected Bomb that is loaded with plastic bonded explosive (PBXN-109) to enhance its insensitive munitions performance.

BSU-86 Retarder Fins: Procurement to replace wartime and training expenditures and maintain war reserve.

FUZES: Current General Purpose Bomb fuzes include FMU-139, Hard Target Void Sensing Fuze (HTVSF) and FMU-164. These fuzes support JDAM (Joint Direct Attack Munitions), DMLGB (Dual Mode Laser Guided Bomb), LGBs (Laser Guided Bombs), and General Purpose Bombs and BLU-109 Penetrator.

Direct Attack Moving Target Capability: The intent of this procurement is to address a documented capability requirement for DON fixed wing aircraft. This acquisition will ensure Navy and Marine Corps fixed wing aircraft have direct attack target moving capability.

Bomb Subcomponents: The Bomb Subcomponents line funding procures Arming Wires, adapters, lugs, nose plugs, etc.

Product Improvement Program (PIP): The PIP cost element funds efforts to include: investigation into alternative hardware coating materials to meet the Environmental Protection Agency's more stringent requirements; incorporating design changes to the bomb bodies; incorporating Insensitive Munitions requirements and incorporating fuze engineering changes for manufacturing/production/obsolescence enhancements and to improve fuze system reliability.

Laser Guided Bomb Computer Control Groups(CCG): The Laser Guided Bomb CCG provides the capability for a general purpose bomb to become a precision guided weapon. The LGB consists of CCG and Air Foil Group (AFG) which is the fin stabilizer.

FY10 includes \$8,100K of OCO funding to procure FMU-139 fuze (4,535 units) and \$32,400K of OCO funding to procure Laser Guided Bombs CCG (3,240 units).
 FY11 includes \$6,060K of OCO funding to procure FMU-139 fuze (2,424 units).

FY10 provides funding to procure BLU-111, BLU-109, Bomb Subcomponents and associated support.
 FY11 provides funding to procure BLU-111, BLU-110, Direct Attack Moving Target Capability, Bomb Subcomponents and associated support.
 FY12 provides funding to procure BLU-111, BLU-109, Direct Attack Moving Target Capability, Bomb Subcomponents and associated support.

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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 1 : Proc Ammo, Navy / BSA 1 : Navy Ammunition	P-1 Line Item Nomenclature: 0145 - General Purpose Bombs
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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 1 / BSA 1					P-1 Line Item Nomenclature: 0145 - General Purpose Bombs					Item Nomenclature: General Purpose Bombs									
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) Hardware		-	-	43.350	-	-	77.611	-	-	56.200	-	-	52.462	-	-	-	-	-	52.462
1.1) GP BOMBS		-	-	25.722	-	-	37.111	-	-	42.167	-	-	15.057	-	-	-	-	-	15.057
† 1.1.1) Q2031 BSU-85	A	-	-	9.319	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 1.1.2) Q2020 BSU-86 ⁽¹⁾	A	-	-	9.163	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 1.1.3) Q2191 BLU-111	A	-	-	-	5,180.40	4,734	24.524	5,561.41	4,649	25.855	5,569.86	730	4.066	-	-	-	5,569.86	730	4.066
† 1.1.4) Q2192 BLU-110	A	-	-	-	-	-	-	11,457.38	1,220	13.978	-	-	0.000	-	-	-	-	-	0.000
† 1.1.5) Q2199 BLU-109 ⁽²⁾	A	-	-	-	26,701.79	446	11.909	-	-	-	31,098.73	314	9.765	-	-	-	31,098.73	314	9.765
† 1.1.6) Q2199 BLU-109 Second Contract OCO	A	-	-	7.240	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
1.1.7) Q2197 Bombs Subcomponents	A	-	-	-	-	-	0.678	-	-	2.334	-	-	1.226	-	-	-	-	-	1.226
1.2) GUIDED BOMBS		-	-	-	-	-	32.400	-	-	7.973	-	-	37.405	-	-	-	-	-	37.405
† 1.2.1) Q2200 Direct Attack Moving Target Capability ⁽³⁾	A	-	-	-	-	-	-	11,390.00	700	7.973	10,687.14	3,500	37.405	-	-	-	10,687.14	3,500	37.405
† 1.2.2) Q2181 Laser Guided Bombs CCG (Raytheon)	A	-	-	-	10,000.00	1,296	12.960	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 1.2.3) Q2181 Laser Guided Bombs CCG (Lockheed)	A	-	-	-	10,000.00	1,944	19.440	-	-	-	-	-	0.000	-	-	-	-	-	0.000
1.3) Fuzes		-	-	17.628	-	-	8.100	-	-	6.060	-	-	0.000	-	-	-	-	-	0.000
† 1.3.1) Q2032 FMU-139 Electrical Fuze	A	-	-	-	1,786.00	4,535	8.100	2,500.00	2,424	6.060	-	-	0.000	-	-	-	-	-	0.000
† 1.3.2) Q2196 Fuzes (FMU-143 K/L/M)	A	-	-	17.628	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
1.3.3) Q2033 FMU-164	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
1.3.4) Q2210 Hard Target Void Sensing Fuze	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
2) Integrated Logistics Support		-	-	-	-	-	0.618	-	-	0.626	-	-	0.426	-	-	-	-	-	0.426

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1 **P-1 Line Item Nomenclature:** 0145 - General Purpose Bombs **Item Nomenclature:** General Purpose Bombs

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
2.1) Q2800 GP Bombs	A	-	-	-	-	-	0.204	-	-	0.208	-	-	0.212	-	-	-	-	-	0.212
2.2) Q2800 Guided Bombs	A	-	-	-	-	-	0.208	-	-	0.210	-	-	0.214	-	-	-	-	-	0.214
2.3) Q2800 Fuzes	A	-	-	-	-	-	0.206	-	-	0.208	-	-	0.000	-	-	-	-	-	0.000
3) Production Engineering		-	-	-	-	-	12.243	-	-	20.235	-	-	8.482	-	-	-	-	-	8.482
3.1) Q2830 GP Bombs	A	-	-	-	-	-	4.470	-	-	5.129	-	-	4.205	-	-	-	-	-	4.205
3.2) Q2830 Guided Bombs	A	-	-	-	-	-	4.730	-	-	6.494	-	-	4.277	-	-	-	-	-	4.277
3.3) Q2830 Fuzes ⁽⁴⁾	A	-	-	-	-	-	3.043	-	-	8.612	-	-	0.000	-	-	-	-	-	0.000
4) Acceptance Testing		-	-	-	-	-	16.695	-	-	6.025	-	-	1.536	-	-	-	-	-	1.536
4.1) GUIDED BOMBS		-	-	-	-	-	16.695	-	-	6.025	-	-	1.536	-	-	-	-	-	1.536
4.1.1) Q2830 DAMTC Production Acceptance Test & Evaluation ⁽⁵⁾	A	-	-	-	-	-	16.695	-	-	6.025	-	-	1.536	-	-	-	-	-	1.536
5) Miscellaneous Support		-	-	1,650.250	-	-	6.334	-	-	3.002	-	-	1.860	-	-	-	-	-	1.860
5.1) Q2850 Product Improvement Program (PIP)	A	-	-	-	-	-	5.722	-	-	2.382	-	-	1.228	-	-	-	-	-	1.228
5.2) Q2892 Non-Standard Items	A	-	-	-	-	-	0.204	-	-	0.208	-	-	0.212	-	-	-	-	-	0.212
5.3) Q2893 Renovation Components	A	-	-	-	-	-	0.202	-	-	0.204	-	-	0.208	-	-	-	-	-	0.208
5.4) Q2894 Gaging	A	-	-	-	-	-	0.206	-	-	0.208	-	-	0.212	-	-	-	-	-	0.212
5.5) Prior Years	A	-	-	1,650.250	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Gross/Weapon System Cost		-	-	1,693.600	-	-	113.501	-	-	86.088	-	-	64.766	-	-	-	-	-	64.766
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	1,693.600	-	-	113.501	-	-	86.088	-	-	64.766	-	-	-	-	-	64.766
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	1,693.600	-	-	113.501	-	-	86.088	-	-	64.766	-	-	-	-	-	64.766
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:
⁽¹⁾BSU-86 was last procured in FY09 and is included in the prior year cost.
⁽²⁾FY10 Procurement of BLU-109's is required to mitigate risk associated with critical inventory shortfalls.

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Exhibit P-5, Cost Analysis : PB 2012 Navy		Date: February 2011
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1	P-1 Line Item Nomenclature: 0145 - General Purpose Bombs	Item Nomenclature: General Purpose Bombs

⁽³⁾FY11 unit price for DAMTC was negotiated in February 2011 and is lower than the PB11 budget submission. Cost savings were used to procure additional bombs in order to meet inventory requirements.
⁽⁴⁾FY11 Fuze PES is required to support production and delivery of FMU-139 scheduled to continue through FY12.
⁽⁵⁾FY10 DAMTC Production Acceptance Test & Evaluation was for production qualification testing.

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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 1 / BSA 1				P-1 Line Item Nomenclature: 0145 - General Purpose Bombs					Item Nomenclature: General Purpose Bombs			
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
1.1.1) Q2031 BSU-85		2008	General Dynamics / Garland TX/MCAAP	C / TBD	JMC Rock Island, IL	Feb 2008	Aug 2009	5,292	1,761.00	Y		Dec 2007
1.1.2) Q2020 BSU-86		2009	CAPCO INC / Grand Junction, CO	C / FP	JMC Rock Island, IL	May 2010	Feb 2011	6,137	1,493.00	Y		Jan 2009
1.1.3) Q2191 BLU-111		2006	General Dynamics / Garland, TX/MCAAP	C / FP	JMC Rock Island, IL	Feb 2006	Aug 2010	5,184	2,846.00	Y		Dec 2005
1.1.3) Q2191 BLU-111		2007	General Dynamics / Garland, TX/MCAAP	C / FP	JMC Rock Island, IL	Jan 2007	Oct 2010	13,086	2,885.00	Y		Dec 2005
1.1.3) Q2191 BLU-111		2008	General Dynamics / Garland, TX/MCAAP	C / FP	JMC Rock Island, IL	Jan 2008	Nov 2010	9,759	4,028.00	Y		Dec 2005
1.1.3) Q2191 BLU-111		2009	General Dynamics / Garland, TX/MCAAP	C / FP	JMC Rock Island, IL	Jan 2009	Oct 2011	8,798	3,308.00	Y		Dec 2005
1.1.3) Q2191 BLU-111		2010	General Dynamics / Garland, TX/MCAAP	C / FP	JMC Rock Island, IL	Mar 2010	Sep 2011	4,734	5,180.40	Y		Jan 2010
1.1.3) Q2191 BLU-111		2011	General Dynamics / Garland, TX/MCAAP	C / FP	JMC Rock Island, IL	Jun 2011	Mar 2012	4,649	5,561.41	Y		Jan 2011
1.1.3) Q2191 BLU-111		2012	General Dynamics / Garland, TX/MCAAP	C / FP	JMC Rock Island, IL	Mar 2012	Mar 2013	730	5,569.86	Y		Jan 2012
1.1.4) Q2192 BLU-110		2005	General Dynamics / Garland TX/MCAAP	C / FP	JMC Rock Island, IL	Feb 2005	Oct 2006	6,765	5,516.00	Y		Dec 2004
1.1.4) Q2192 BLU-110		2006	General Dynamics / Garland TX/MCAAP	C / FP	JMC Rock Island, IL	Feb 2006	Apr 2008	2,049	5,898.00	Y		Dec 2005
1.1.4) Q2192 BLU-110		2007	General Dynamics / Garland TX/MCAAP	C / FP	JMC Rock Island, IL	Feb 2007	Mar 2010	2,424	5,588.00	Y		Dec 2005
1.1.4) Q2192 BLU-110		2008	General Dynamics / Garland TX/MCAAP	C / FP	JMC Rock Island, IL	Feb 2008	Mar 2010	3,029	7,216.00	Y		Dec 2005
1.1.4) Q2192 BLU-110		2009	General Dynamics / Garland TX/MCAAP	C / FP	JMC Rock Island, IL	Feb 2009	Mar 2010	2,452	5,928.00	Y		Dec 2005
1.1.4) Q2192 BLU-110		2011	General Dynamics / Garland TX/MCAAP	C / FP	JMC Rock Island, IL	Jun 2011	Jun 2013	1,220	11,457.38	Y		Jan 2011
1.1.5) Q2199 BLU-109		2008	National Forge / Irving, PA/ MCAPP	C / FP	JMC Rock Island, IL	Jan 2008	Apr 2011	388	27,169.00	Y		Dec 2007
1.1.5) Q2199 BLU-109		2009	National Forge / Irving, PA/ MCAPP	C / FP	JMC Rock Island, IL	Jan 2009	Jul 2011	1,120	23,816.00	Y		Dec 2008
1.1.5) Q2199 BLU-109	Y	2009	National Forge / Irving, PA/ MCAPP	C / FP	JMC Rock Island, IL	Jan 2009	Jul 2011	841	23,816.00	Y		Dec 2008
1.1.5) Q2199 BLU-109		2010	National Forge / Irving, PA/ MCAPP	C / FP	JMC Rock Island, IL	Sep 2010	Apr 2013	446	26,701.79	Y		Dec 2008
1.1.5) Q2199 BLU-109		2012	National Forge / Irving, PA/ MCAPP	C / FP	JMC Rock Island, IL	Jan 2012	Sep 2014	314	31,098.73	Y		Dec 2008

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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 1 / BSA 1	P-1 Line Item Nomenclature: 0145 - General Purpose Bombs	Item Nomenclature: General Purpose Bombs
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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
1.1.6) Q2199 BLU-109 Second Contract OCO	Y	2009	National Forge / Irving, PA/MCAPP	C / FP	JMC Rock Island, IL	Jul 2011	Feb 2014	304	23,816.00	Y		Jan 2011
1.2.1) Q2200 Direct Attack Moving Target Capability ⁽¹⁾		2011	The Boeing Company / St. Charles, MO	C / FP	NAVAIR, Pax River, MD	Mar 2011	Jul 2011	700	11,390.00	Y		Oct 2008
1.2.1) Q2200 Direct Attack Moving Target Capability		2012	The Boeing Company / St. Charles, MO	C / FP	NAVAIR, Pax River, MD	Feb 2012	Feb 2013	3,500	10,687.14	Y		Oct 2008
1.2.2) Q2181 Laser Guided Bombs CCG (Raytheon)	Y	2010	Raytheon Missile Systems / Tucson, AZ	C / FP	Hill AFB, UT	Sep 2010	May 2012	1,296	10,000.00	Y		Jan 2009
1.2.3) Q2181 Laser Guided Bombs CCG (Lockheed)	Y	2010	Lockheed Martin Corporation / Archbald, PA	C / FP	Hill AFB, UT	Sep 2010	Jun 2011	1,944	10,000.00	Y		Jan 2009
1.3.1) Q2032 FMU-139 Electrical Fuze		2003	L-3 Com / Cincinnati, OH	SS / FP	NAVAIR, Pax River, MD	Sep 2003	Jun 2009	50,075	554.00	Y		Aug 2003
1.3.1) Q2032 FMU-139 Electrical Fuze		2005	ATK Tactical Systems / Keyser, WV	C / FP	NAVAIR, Pax River, MD	Apr 2005	Sep 2010	9,164	873.00	Y		Dec 2004
1.3.1) Q2032 FMU-139 Electrical Fuze		2006	ATK Tactical Systems / Keyser, WV	SS / FP	NAVAIR, Pax River, MD	May 2008	Sep 2010	7,034	873.00	Y		May 2006
1.3.1) Q2032 FMU-139 Electrical Fuze	Y	2010	TBD / TBD	C / FP	NAVAIR, Pax River, MD	Apr 2011	Sep 2011	4,535	1,786.00	Y		Dec 2010
1.3.1) Q2032 FMU-139 Electrical Fuze	Y	2011	TBD / TBD	C / FP	NAVAIR, Pax River, MD	Apr 2011	Sep 2011	2,424	2,500.00	Y		Dec 2010
1.3.2) Q2196 Fuzes (FMU-143 K/L/M)		2009	L-3 Com / Cincinnati, OH	C / FP	JMC Rock Island, IL	Feb 2011	May 2013	5,795	3,042.00	Y		Mar 2007

Remarks:
 All Multi-Service procurement unit costs may fluctuate annually due to individual requirements.
 Production lead times for the BLU-111, BLU-110, and BLU-109's may be longer due to emerging Insensitive Munitions (IM) configuration requirements.
 DAMTC FY08 deliveries for Rapid Deployment Capability for Laser JDAM completed delivery in October 2009.
⁽¹⁾FY11 & FY12 Unit prices for DAMTC were negotiated in Feb 2010 and are lower than the PB11 budget submission. Cost savings were used to procure additional bombs in order to meet inventory requirements.

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1 **P-1 Line Item Nomenclature:** 0145 - General Purpose Bombs **Item Nomenclature:** General Purpose Bombs

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			
1.1.1) Q2031 BSU-85																																	
	1	2008	Navy	5.292	1.532	3.76	.864	.864	.864	.864	.304	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1.1.2) Q2020 BSU-86																																	
	2	2009	Navy	6.137	-	6.137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.049		
1.1.3) Q2191 BLU-111																																	
	3	2006	Navy	5.184	-	5.184	-	-	-	-	-	-	-	-	-	-	.33	2.827	1.286	-	-	.741	-	-	-	-	-	-	-	-	-		
	3	2007	Navy	13.09	-	13.09	-	-	-	-	-	-	-	-	-	-	-	-	.384	11.21	1.488	-	-	-	-	-	-	-	-	-	-		
	3	2008	Navy	9.759	-	9.759	-	-	-	-	-	-	-	-	-	-	-	-	-	.77	2.371	2.055	2.055	1.539	.969	-	-	-	-	-			
	3	2009	Navy	8.798	-	8.798	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.798			
	3	2010	Navy	4.734	-	4.734	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.377	3.357		
	3	2011	Navy	4.649	-	4.649	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.649		
	3(1)	2012	Navy	.73	-	.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.73			
1.1.4) Q2192 BLU-110																																	
	4(2)	2005	Navy	6.765	3.234	3.531	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.531		
	4(3)	2006	Navy	2.049	2.025	.024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.024		
	4	2007	Navy	2.424	-	2.424	-	-	-	-	-	.12	-	2.304	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	4	2008	Navy	3.029	-	3.029	-	-	-	-	-	.033	.09	.09	-	-	-	-	-	-	-	2.816	-	-	-	-	-	-	-	-	-		
	4	2009	Navy	2.452	-	2.452	-	-	-	-	-	2.452	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	4	2011	Navy	1.22	-	1.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22		
1.1.5) Q2199 BLU-109																																	
	5	2008	Navy	.388	-	.388	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.388	-	-	-	-	-		
	5	2009	Navy	1.12	-	1.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.089	.565	.392	.074	
x	5	2009	Navy	.841	-	.841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.357	.435	.049	-		
	5	2010	Navy	.446	-	.446	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.446		
	5	2012	Navy	.314	-	.314	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.314		
1.1.6) Q2199 BLU-109 Second Contract OCO																																	
x	6(4)	2009	Navy	.304	-	.304	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.304	
1.2.1) Q2200 Direct Attack Moving Target Capability																																	
	7(5)	2011	Navy	.7	-	.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.7		
	7	2011	AF	.5	-	.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.5		

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy																								Date: February 2011										
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1							P-1 Line Item Nomenclature: 0145 - General Purpose Bombs										Item Nomenclature: General Purpose Bombs																	
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																	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB		MAR	APR	MAY	JUN	JUL	AUG	SEP			
	7	2012	Navy	3.5	-	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5			
1.2.2) Q2181 Laser Guided Bombs CCG (Raytheon)																																		
x	8	2010	Navy	1.296	-	1.296	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	1.296		
1.2.3) Q2181 Laser Guided Bombs CCG (Lockheed)																																		
x	9	2010	Navy	1.944	-	1.944	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	.144	.864	.72	.216	-
1.3.1) Q2032 FMU-139 Electrical Fuze																																		
	10 ⁽⁶⁾	2003	Navy	50.08	1.876	48.2	1.832	4.068	5.048	5.145	.248	2.715	1.478	1.478	1.478	1.478	1.285	1.285	1.927	1.927	2.57	2.57	2.567	2.139	.821	4.64	-	-	-	-	-	1.5		
	11 ⁽⁷⁾	2005	Navy	9.164	-	9.164	-	-	-	-	-	-	-	-	-	-	-	1.871	2.5	2.5	2.293	-	-	-	-	-	-	-	-	-	-	-	-	
	11 ⁽⁸⁾	2006	Navy	7.034	-	7.034	-	-	-	-	-	-	-	-	-	-	-	2	2	2	1.034	-	-	-	-	-	-	-	-	-	-	-	-	
x	12	2010	Navy	4.535	-	4.535	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	.5	4.035		
x	12	2011	Navy	2.424	-	2.424	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	.606	1.818		
1.3.2) Q2196 Fuzes (FMU-143 K/L/M)																																		
	13	2009	Navy	5.795	-	5.795	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.795		
							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 1 / BSA 1										P-1 Line Item Nomenclature: 0145 - General Purpose Bombs										Item Nomenclature: General Purpose Bombs													
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			
1.1.1) Q2031 BSU-85																																	
	1	2008	Navy	5.292	5.292	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
1.1.2) Q2020 BSU-86																																	
	2	2009	Navy	6.137	4.088	2.049	.511	.511	.511	.516	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
1.1.3) Q2191 BLU-111																																	
	3	2006	Navy	5.184	5.184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3	2007	Navy	13.09	13.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3	2008	Navy	9.759	9.759	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3	2009	Navy	8.798	-	8.798	.548	-	2.678	2.176	3.396	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3	2010	Navy	4.734	1.377	3.357	1.303	2.054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3	2011	Navy	4.649	-	4.649	-	-	-	-	-	1.55	1.55	1.549	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3(1)	2012	Navy	.73	-	.73	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	.73	-	-	-	-				
1.1.4) Q2192 BLU-110																																	
	4(2)	2005	Navy	6.765	3.234	3.531	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.531			
	4(3)	2006	Navy	2.049	2.025	.024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.024			
	4	2007	Navy	2.424	2.424	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	4	2008	Navy	3.029	3.029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	4	2009	Navy	2.452	2.452	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	4	2011	Navy	1.22	-	1.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22	-	-	-			
1.1.5) Q2199 BLU-109																																	
	5	2008	Navy	.388	.388	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	5	2009	Navy	1.12	1.046	.074	.074	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
x	5	2009	Navy	.841	.841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	5	2010	Navy	.446	-	.446	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.446	-	-	-			
	5	2012	Navy	.314	-	.314	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.314			
1.1.6) Q2199 BLU-109 Second Contract OCO																																	
x	6(4)	2009	Navy	.304	-	.304	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.304			
1.2.1) Q2200 Direct Attack Moving Target Capability																																	
	7(5)	2011	Navy	.7	.3	.4	.1	.1	.1	.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	7	2011	AF	.5	.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy																							Date: February 2011											
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1							P-1 Line Item Nomenclature: 0145 - General Purpose Bombs										Item Nomenclature: General Purpose Bombs																	
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			
	7	2012	Navy	3.5	-	3.5	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	.319	.319	.319	.319	.319	.319	.319	.319	.948	
1.2.2) Q2181 Laser Guided Bombs CCG (Raytheon)																																		
x	8	2010	Navy	1.296	-	1.296	-	-	-	-	-	-	-	-	.153	.508	.635	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2.3) Q2181 Laser Guided Bombs CCG (Lockheed)																																		
x	9	2010	Navy	1.944	1.944	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.3.1) Q2032 FMU-139 Electrical Fuze																																		
	10 ⁽⁶⁾	2003	Navy	50.08	48.58	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	
	11 ⁽⁷⁾	2005	Navy	9.164	9.164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11 ⁽⁸⁾	2006	Navy	7.034	7.034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	12	2010	Navy	4.535	.5	4.035	.65	.65	.65	.65	.625	.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	12	2011	Navy	2.424	.606	1.818	.606	.606	.606	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1.3.2) Q2196 Fuzes (FMU-143 K/L/M)																																		
	13	2009	Navy	5.795	-	5.795	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.7	.7	.7	.735	.74	2.22	
							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 1 / BSA 1										P-1 Line Item Nomenclature: 0145 - General Purpose Bombs										Item Nomenclature: General Purpose Bombs													
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			
1.1.1) Q2031 BSU-85																																	
	1	2008	Navy	5.292	5.292	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
1.1.2) Q2020 BSU-86																																	
	2	2009	Navy	6.137	6.137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
1.1.3) Q2191 BLU-111																																	
	3	2006	Navy	5.184	5.184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3	2007	Navy	13.09	13.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3	2008	Navy	9.759	9.759	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3	2009	Navy	8.798	8.798	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3	2010	Navy	4.734	4.734	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3	2011	Navy	4.649	4.649	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3 ⁽¹⁾	2012	Navy	.73	.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
1.1.4) Q2192 BLU-110																																	
	4 ⁽²⁾	2005	Navy	6.765	3.234	3.531	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.531			
	4 ⁽³⁾	2006	Navy	2.049	2.025	.024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.024			
	4	2007	Navy	2.424	2.424	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	4	2008	Navy	3.029	3.029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	4	2009	Navy	2.452	2.452	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	4	2011	Navy	1.22	1.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1.1.5) Q2199 BLU-109																																	
	5	2008	Navy	.388	.388	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	5	2009	Navy	1.12	1.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
x	5	2009	Navy	.841	.841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	5	2010	Navy	.446	.446	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	5	2012	Navy	.314	-	.314	-	-	-	-	-	-	-	-	-	-	-	.314	-	-	-	-	-	-	-	-	-	-	-	-			
1.1.6) Q2199 BLU-109 Second Contract OCO																																	
x	6 ⁽⁴⁾	2009	Navy	.304	-	.304	-	-	-	.304	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1.2.1) Q2200 Direct Attack Moving Target Capability																																	
	7 ⁽⁵⁾	2011	Navy	.7	.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	7	2011	AF	.5	.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1	P-1 Line Item Nomenclature: 0145 - General Purpose Bombs	Item Nomenclature: General Purpose Bombs
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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					
1.2.2) Q2181 Laser Guided Bombs CCG (Raytheon)																																			
x	8	2010	Navy	1.296	1.296	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
1.2.3) Q2181 Laser Guided Bombs CCG (Lockheed)																																			
x	9	2010	Navy	1.944	1.944	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
1.3.1) Q2032 FMU-139 Electrical Fuze																																			
	10 ⁽⁶⁾	2003	Navy	50.08	48.58	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5					
	11 ⁽⁷⁾	2005	Navy	9.164	9.164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	11 ⁽⁸⁾	2006	Navy	7.034	7.034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
x	12	2010	Navy	4.535	4.535	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
x	12	2011	Navy	2.424	2.424	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
1.3.2) Q2196 Fuzes (FMU-143 K/L/M)																																			
	13	2009	Navy	5.795	3.575	2.22	.74	.74	.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
							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	General Dynamics - Garland TX/MCAAP	7.2	12	36	0	5	18	23						
2	CAPCO INC - Grand Junction, CO	4.2	9.936	22.36					0	8	9	17		
3	General Dynamics - Garland, TX/MCAAP	7.2	10.8	45.6	0	0	9	9	0	6	12	18		
4	General Dynamics - Garland TX/MCAAP	8.64	20.16	43.2	0	9	24	33	0	0	24	24		
5	National Forge - Irving, PA/MCAPP	1.344	1.44	5.004					0	4	32	36		
6	National Forge - Irving, PA/MCAPP	1.344	1.44	5.004					0	9	32	41		

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1	P-1 Line Item Nomenclature: 0145 - General Purpose Bombs	Item Nomenclature: General Purpose Bombs
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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
7	The Boeing Company - St. Charles, MO	1.2	4.8	5.76	0	5	29	34	0	5	12	17
8	Raytheon Missile Systems - Tucson, AZ	1.8	4.8	14.4	0	12	20	32				
9	Lockheed Martin Corporation - Archbald, PA	1.728	4.5	36	0	12	9	21				
10	L-3 Com - Cincinnati, OH	12	24	74.4	0	11	69	80				
11	ATK Tactical Systems - Keyser, WV	12	24	74.4	0	8	24	32				
12	TBD - TBD	-	-	-	0	9	5	14	0	0	5	5
13	L-3 Com - Cincinnati, OH	6	10.8	20.4	0	17	27	44				

Remarks:
 Monthly deliveries vary depending on Joint Service Requirements. The MSR represents the rate for joint service procurements. All Multi-Service procurement unit costs may fluctuate annually due to individual requirements.
 DAMTC FY08 deliveries for Rapid Deployment Capability for Laser JDAM completed delivery in October 2009.
 (1) Monthly Deliveries Vary Depending on Joint Service Requirements. The MSR represents the rate for joint service procurements.
 (2) FY05 BLU-110 - The remaining 3,531 units completed deliveries in August 2010.
 (3) FY06 BLU-110 - The remaining 24 units completed deliveries in April 2010.
 (4) Initial OCO funded allocation was intended to procure BSU-86's and BLU-109's. The OCO submission has been revised based on program requirement to procure solely BLU-109's.
 (5) FY11 DAMTC deliveries are for LRIP. FY11 Air Force deliveries are 275 in April 2011 and 275 in May 2011.
 (6) Deliveries on the L-3 COM contract for FMU-139 have been delayed. The contract was initially awarded for the FMU-139B/B configuration, but subsequently modified to procure the FMU-139C/B configuration via an ECP. L-3 COM had to qualify the C/B configuration, leading to the delivery schedule slip. Deliveries will continue through August 2011.
 (7) ATK deliveries are delayed due to First Article Test (FAT) failure. FAT has restarted and the delivery schedule adjusted.
 (8) FY06 ATK quantity changes are due to procurement of the FZU-61 accessory kit needed for the FMU-139 fuze.

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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 1 : Proc Ammo, Navy / BSA 1 : Navy Ammunition	P-1 Line Item Nomenclature: 0148 - JT Direct Attack Munition (JDAM)
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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)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,369.975	1.962	-	0.000	-	0.000	-	-	-	-	0.000	1,371.937
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,369.975	1.962	-	0.000	-	0.000	-	-	-	-	0.000	1,371.937
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,369.975	1.962	-	0.000	-	0.000	-	-	-	-	0.000	1,371.937
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

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

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

\$161.1M of DERF funding (non-add) was provided to procure 7,890 JDAM tailkits.

The last year of Navy procurement of JDAM tailkits was FY09; USN deliveries completed March 2010. The USAF will continue to purchase JDAM tailkits through the FYDP.

Remarks:

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
1508N / BA 1 / BSA 1

P-1 Line Item Nomenclature:
0148 - JT Direct Attack Munition (JDAM)

Item Nomenclature:
JT Direct Attack Munition (JDAM)

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
† 0.1) AIR VEHICLE	A	-	-	1,193.656	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
0.2) ENGINEERING CHANGE ORDERS		-	-	3.841	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
0.3) FUZES	A	-	-	36.842	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
0.4) WARHEAD		-	-	28.576	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
0.5) AIRBORNE TEST EQUIPMENT		-	-	5.832	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
0.6) CONTRACTOR INCENTIVE		-	-	11.332	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
0.7) SCHEDULE ACCLERATION		-	-	0.888	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
0.8) CABLES		-	-	0.720	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
0.9) PRODUCTION TECH SUPPORT		-	-	57.325	-	-	1.470	-	-	-	-	-	0.000	-	-	-	-	-	0.000
0.10) PRODUCTION TEST		-	-	15.716	-	-	0.306	-	-	-	-	-	0.000	-	-	-	-	-	0.000
0.11) DATA		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
0.12) DATA (TECHNICAL)		-	-	0.271	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
0.13) LOAD/BUILDUP TRAINERS		-	-	0.857	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
0.14) TEST EQUIPMENT		-	-	4.340	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
0.15) INTEGRATED LOGISTICS SUPPORT (ILS)		-	-	8.878	-	-	0.186	-	-	-	-	-	0.000	-	-	-	-	-	0.000
0.16) TRAINING		-	-	0.901	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Gross/Weapon System Cost		-	-	1,369.975	-	-	1.962	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	1,369.975	-	-	1.962	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	1,369.975	-	-	1.962	-	-	-	-	-	0.000	-	-	-	-	-	0.000
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 1 / BSA 1	P-1 Line Item Nomenclature: 0148 - JT Direct Attack Munition (JDAM)	Item Nomenclature: JT Direct Attack Munition (JDAM)
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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
0.1) AIR VEHICLE		2009	The Boeing Company / St. Louis, MO	SS / FP	Eglin AFB, FL	Mar 2009	Mar 2010	169	23,768.00	Y		Oct 2008

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 1 / BSA 1	P-1 Line Item Nomenclature: 0148 - JT Direct Attack Munition (JDAM)	Item Nomenclature: JT Direct Attack Munition (JDAM)
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COST ELEMENTS Units in Each							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					
0.1) AIR VEHICLE																																			
	14 ⁽¹⁾	2009	Navy	169	-	169	-	-	-	-	-	-	169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	14	2009	AF	3826	-	3826	-	-	-	-	-	288	288	288	288	288	288	288	302	366	350	396	396	-	-	-	-	-	-						
							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 1 / BSA 1	P-1 Line Item Nomenclature: 0148 - JT Direct Attack Munition (JDAM)	Item Nomenclature: JT Direct Attack Munition (JDAM)

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	The Boeing Company - St. Louis, MO	4000	10000	36000						0	6	12	18

Remarks:
 Lot 13 (FY09) is currently the last year of DoN procurements. The DoN accepted its last delivery from Boeing on 25 March 2010.
 (1)P-21 schedule for the A/F reflects deliveries of FY09 procurements.

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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 1 : Proc Ammo, Navy / BSA 1 : Navy Ammunition	P-1 Line Item Nomenclature: 0151 - Airborne Rockets, All Types
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ID Code (A=Service Ready, B=Not Service Ready) : B **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)	281.225	75.034	114.764	38.264	80.200	118.464	48.184	69.808	56.792	67.516	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	281.225	75.034	114.764	38.264	80.200	118.464	48.184	69.808	56.792	67.516	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	281.225	75.034	114.764	38.264	80.200	118.464	48.184	69.808	56.792	67.516	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

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

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

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

ADVANCED PRECISION KILL WEAPON SYSTEM (APKWS): APKWS was an Army SD&D program to develop a low cost Semi Active Laser (SAL) precision guidance section for existing 2.75-inch unguided rockets. APKWS II will provide an inexpensive, small, lightweight, precision-guided weapon that is effective against soft and lightly armored targets which enhances crew survivability with increased standoff range. Through addition of a mid-body guidance section, APKWS II offers precision, maximum stored kills per aircraft sortie, minimum collateral damage potential, and increased effectiveness over legacy unguided rockets. The guidance package can be assembled with existing unguided rocket components (warhead and rocket motor) and can be fired from LAU-61/LAU-68. The SD&D program was completed in third quarter FY10. APKWS II received MS C approval in April FY10. Full Rate Procurement Decision is planned for 2Q FY12.

The 2.75-inch M282 Multi Purpose Penetrator (MPP) warhead, a new start in FY10, will provide USMC aircrew and ground commanders greatly enhanced weaponeering options, to engage targets protected by urban and cave environments. This new start program will provide a low-cost penetrator warhead in urgent need in the current fight in Afghanistan and Iraq and will directly improve aviation fire support to the Marine Air-Ground Task Force (MAGTF) now and in the future.

The MK152 10lb warheads with the MK435 fuses is an improvement over the M151 10lb warhead in Insensitive Munitions (IM) reactions. The IM improvements will allow for fewer restrictions on shipboard operations. These warheads will be required for shipboard operations with APKWS II.

FY10 OCO will be used to procure: MK 66 Rocket Motor (Mod 4), Rocket Motor Container, and M282 (MPP).

FY11 OCO will be used to procure: MK 66 Rocket Motor (Mod 4), 2.75-inch Rocket Launcher, M282 (MPP), and MK152 2.75-inch Warhead with MK435 fuze.

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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 1 : Proc Ammo, Navy / BSA 1 : Navy Ammunition		P-1 Line Item Nomenclature: 0151 - Airborne Rockets, All Types
ID Code (A=Service Ready, B=Not Service Ready) : B	Related Program Elements: FY12 OCO will be used to procure: MK 66 Rocket Motor (Mod 4), WTU-1/B inert 2.75-inch warhead, 2.75-inch Rocket Launcher, M282 (MPP), and MK152 2.75-inch Warhead with MK-435 fuze, APKWS Guidance and Control (G&C) Section.	
Remarks:		

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Exhibit P-5, Cost Analysis : PB 2012 Navy													Date: February 2011						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1						P-1 Line Item Nomenclature: 0151 - Airborne Rockets, All Types						Item Nomenclature: Airborne 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) Rockets Hardware		-	-	193.010	-	-	41.222	-	-	53.298	-	-	5.627	-	-	38.000	-	-	43.627
† 1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) ⁽¹⁾	A	-	-	133.570	554.00	73,522	40.731	564.99	93,324	52.727	576.00	8,694	5.008	576.00	65,972	38.000	576.01	74,666	43.008
† 1.2) (Q5041) MK 71 ROCKET MOTOR ⁽²⁾	A	-	-	56.296	-	-	-	5,800.00	10	0.058	5,930.00	25	0.148	-	-	-	5,930.00	25	0.148
† 1.3) (Q5042) MK 66 ROCKET MOTOR (MOD 6) ⁽³⁾	A	-	-	0.585	-	-	-	555.56	9	0.005	550.00	20	0.011	-	-	-	550.00	20	0.011
† 1.4) (Q5200) SMOKEY SAM	A	-	-	2.559	147.00	3,343	0.491	150.00	3,387	0.508	153.00	3,007	0.460	-	-	-	153.00	3,007	0.460
2) Rocket Warheads		-	-	40.043	-	-	7.319	-	-	21.314	-	-	5.913	-	-	30.710	-	-	36.623
† 2.1) (Q5030) WTU1/B INERT WARHEAD ⁽⁴⁾	A	-	-	9.188	81.00	25,556	2.070	83.00	13,145	1.091	85.00	8,282	0.704	85.00	27,129	2.306	85.00	35,411	3.010
† 2.2) (Q5080) MK 146 HE WARHEAD	A	-	-	20.275	-	-	-	1,497.59	1,662	2.489	1,522.67	2,007	3.056	-	-	-	1,522.67	2,007	3.056
† 2.3) (Q5090) MK 149 WARHEAD ⁽⁵⁾	A	-	-	9.555	525.04	2,935	1.541	536.01	2,666	1.429	547.17	1,325	0.725	-	-	-	547.17	1,325	0.725
† 2.4) (Q5897) WTU-11/ B WARHEAD	A	-	-	1.025	-	-	-	388.14	961	0.373	396.05	962	0.381	-	-	-	396.05	962	0.381
† 2.5) (Q5898) M282 MULTI PURPOSE PENETRATOR (MPP)	A	-	-	-	3,177.00	223	0.708	3,191.95	2,360	7.533	3,209.00	44	0.141	3,209.00	1,714	5.500	3,208.76	1,758	5.641
† 2.6) (Q5899) MK 152 WARHEAD ⁽⁶⁾	A	-	-	-	1,333.93	2,249	3.000	1,339.77	6,269	8.399	1,346.21	673	0.906	1,346.98	17,004	22.904	1,346.95	17,677	23.810
3) Rocket Launchers		-	-	2.906	-	-	0.834	-	-	15.836	-	-	0.852	-	-	0.016	-	-	0.868
† 3.1) (Q5895) 2.75-inch LAUNCHER ⁽⁷⁾	A	-	-	2.906	15,735.85	53	0.834	15,757.21	1,005	15.836	15,777.78	54	0.852	15,777.78	1	0.016	15,781.82	55	0.868
4) APKWS		-	-	-	-	-	7.040	-	-	17.100	-	-	17.500	-	-	11.474	-	-	28.974
† 4.1) (Q5896) APKWS G&C SECTIONS	B	-	-	-	28,502.02	247	7.040	28,500.00	600	17.100	17,500.00	1,000	17.500	17,490.85	656	11.474	17,496.38	1,656	28.974
5) Other		-	-	11.576	-	-	3.794	-	-	3.933	-	-	3.187	-	-	-	-	-	3.187
5.1) (Q5871) MISCELLANEOUS ITEMS ⁽⁸⁾	A	-	-	2.867	-	-	3.750	-	-	0.200	-	-	0.200	-	-	-	-	-	0.200

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1 **P-1 Line Item Nomenclature:** 0151 - Airborne Rockets, All Types **Item Nomenclature:** Airborne 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
5.2) (Q5870) CONTAINERS	A	-	-	8.709	-	-	0.044	-	-	3.733	-	-	2.987	-	-	-	-	-	2.987
6) (Q5800) Integrated Logistics Support (ILS)		-	-	2.410	-	-	0.361	-	-	0.400	-	-	0.348	-	-	-	-	-	0.348
6.1) ROCKET WARHEADS	A	-	-	2.360	-	-	0.211	-	-	0.212	-	-	0.205	-	-	-	-	-	0.205
6.2) ROCKET LAUNCHERS	A	-	-	0.050	-	-	0.100	-	-	0.101	-	-	0.097	-	-	-	-	-	0.097
6.3) APKWS	A	-	-	-	-	-	0.050	-	-	0.051	-	-	0.046	-	-	-	-	-	0.046
6.4) OTHER	A	-	-	-	-	-	-	-	-	0.036	-	-	0.000	-	-	-	-	-	0.000
7) (Q5850) Product Improvement (PIP)		-	-	10.480	-	-	1.585	-	-	0.500	-	-	0.713	-	-	-	-	-	0.713
7.1) ROCKET WARHEADS	A	-	-	10.480	-	-	1.581	-	-	0.495	-	-	0.709	-	-	-	-	-	0.709
7.2) ROCKET LAUNCHERS	A	-	-	-	-	-	0.004	-	-	0.005	-	-	0.004	-	-	-	-	-	0.004
8) (Q5830) Production Engineering Support (PES)		-	-	20.800	-	-	12.879	-	-	2.383	-	-	4.124	-	-	-	-	-	4.124
8.1) ROCKET MOTORS	A	-	-	4.591	-	-	0.797	-	-	0.718	-	-	0.782	-	-	-	-	-	0.782
8.2) ROCKET WARHEADS	A	-	-	14.351	-	-	3.102	-	-	1.215	-	-	2.893	-	-	-	-	-	2.893
8.3) ROCKET LAUNCHERS	A	-	-	1.858	-	-	0.200	-	-	0.200	-	-	0.196	-	-	-	-	-	0.196
8.4) APKWS	A	-	-	-	-	-	8.780	-	-	0.250	-	-	0.253	-	-	-	-	-	0.253
Gross/Weapon System Cost		-	-	281.225	-	-	75.034	-	-	114.764	-	-	38.264	-	-	80.200	-	-	118.464
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	281.225	-	-	75.034	-	-	114.764	-	-	38.264	-	-	80.200	-	-	118.464
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	281.225	-	-	75.034	-	-	114.764	-	-	38.264	-	-	80.200	-	-	118.464
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:
 (1) Pricing is provided by the Army and incorporates other services' buys.
 (2) Pricing is provided by the Army and incorporates other services' buys.
 (3) Pricing is provided by the Army and incorporates other services' buys.

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Exhibit P-5, Cost Analysis : PB 2012 Navy		Date: February 2011
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1	P-1 Line Item Nomenclature: 0151 - Airborne Rockets, All Types	Item Nomenclature: Airborne Rockets, All Types

- ⁽⁴⁾Pricing provided by the Army and incorporates other services' buys.
- ⁽⁵⁾Pricing is provided by the Army and includes other services' buys.
- ⁽⁶⁾New start approved for FY10.
- ⁽⁷⁾Unit cost has been updated to reflect current Launcher contracted cost.
- ⁽⁸⁾Miscellaneous Items include non-standard items, renovation components, and miscellaneous components which were previously captured under cost codes Q5860, Q5892, and Q5893, now combined into one cost code.

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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 1 / BSA 1				P-1 Line Item Nomenclature: 0151 - Airborne Rockets, All Types					Item Nomenclature: Airborne 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) (Q5040) MK 66 ROCKET MOTOR (MOD 4)		2008	General Dynamics / Burlington, VT	C / FFP	Huntsville	Apr 2008	Oct 2009	25,244	408.97	Y		
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4)		2009	General Dynamics / Burlington, VT	C / FFP	Huntsville	Apr 2009	Oct 2010	18,308	418.00	Y		
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4)	Y	2009	General Dynamics / Burlington, VT	C / FFP	Huntsville	Oct 2009	May 2011	59,638	418.00	Y		
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4)		2010	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2010	Oct 2011	8,899	554.00	Y		Oct 2008
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4)	Y	2010	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2010	Oct 2011	64,623	554.00	Y		Oct 2008
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4)		2011	General Dynamics / Burlington, VT	C / FFP	Huntsville	Apr 2011	Oct 2012	11,832	565.00	Y		Oct 2008
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4)	Y	2011	General Dynamics / Burlington, VT	C / FFP	Huntsville	Apr 2011	Oct 2012	81,492	565.00	Y		Oct 2008
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4)		2012	General Dynamics / Burlington, VT	C / FFP	Huntsville	Apr 2012	Oct 2013	8,694	576.00	Y		Oct 2008
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4)	Y	2012	General Dynamics / Burlington, VT	C / FFP	Huntsville	Apr 2012	Oct 2013	65,972	576.00	Y		Oct 2008
1.2) (Q5041) MK 71 ROCKET MOTOR ⁽¹⁾		2008	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NAVAIR HQ	Mar 2008	Mar 2009	1,420	4,664.00	Y		
1.2) (Q5041) MK 71 ROCKET MOTOR		2009	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NAVAIR HQ	Mar 2009	Mar 2010	300	5,604.00	Y		
1.2) (Q5041) MK 71 ROCKET MOTOR		2011	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NAVAIR HQ	Jan 2011	Jan 2012	10	5,800.00	Y		
1.2) (Q5041) MK 71 ROCKET MOTOR		2012	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NAVAIR HQ	Jan 2012	Jan 2013	25	5,930.00	Y		
1.3) (Q5042) MK 66 ROCKET MOTOR (MOD 6)		2008	General Dynamics / Burlington, VT	C / FPIF	Huntsville	Apr 2008	Jan 2009	1,152	508.00	Y		
1.3) (Q5042) MK 66 ROCKET MOTOR (MOD 6)		2011	General Dynamics / Burlington, VT	C / FFP	Huntsville	Apr 2011	Jan 2012	9	555.56	Y		Oct 2008
1.3) (Q5042) MK 66 ROCKET MOTOR (MOD 6)		2012	General Dynamics / Burlington, VT	C / FFP	Huntsville	Apr 2012	Jan 2013	20	550.00	Y		Oct 2008
1.4) (Q5200) SMOKEY SAM ⁽²⁾		2009	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NAVAIR HQ	Apr 2009	Apr 2010	3,405	144.00	Y		
1.4) (Q5200) SMOKEY SAM		2010	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NAVAIR HQ	Apr 2010	Apr 2011	3,343	147.00	Y		
1.4) (Q5200) SMOKEY SAM		2011	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NAVAIR HQ	Jan 2011	Jan 2012	3,387	150.00	Y		
1.4) (Q5200) SMOKEY SAM		2012	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NAVAIR HQ	Jan 2012	Jan 2013	3,007	153.00	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 1 / BSA 1				P-1 Line Item Nomenclature: 0151 - Airborne Rockets, All Types					Item Nomenclature: Airborne 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
2.1) (Q5030) WTU1/B INERT WARHEAD		2008	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2008	Nov 2009	12,264	83.00	Y		
2.1) (Q5030) WTU1/B INERT WARHEAD		2009	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2009	Nov 2010	12,293	85.00	Y		
2.1) (Q5030) WTU1/B INERT WARHEAD		2010	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2010	Nov 2011	25,556	81.00	Y		Oct 2008
2.1) (Q5030) WTU1/B INERT WARHEAD		2011	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2011	Nov 2012	13,145	83.00	Y		
2.1) (Q5030) WTU1/B INERT WARHEAD		2012	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2012	Nov 2013	8,282	85.00	Y		
2.1) (Q5030) WTU1/B INERT WARHEAD	Y	2012	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2012	Nov 2013	27,129	85.00	Y		
2.2) (Q5080) MK 146 HE WARHEAD ⁽³⁾		2009	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NAVAIR HQ	Mar 2009	Mar 2010	1,100	1,439.00	Y		
2.2) (Q5080) MK 146 HE WARHEAD		2011	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NAVAIR HQ	Jan 2011	Jan 2012	1,662	1,497.59	Y		
2.2) (Q5080) MK 146 HE WARHEAD		2012	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NAVAIR HQ	Jan 2012	Jan 2013	2,007	1,522.67	Y		
2.3) (Q5090) MK 149 WARHEAD		2008	General Dynamics / Burlington, VT	C / CPIF	Huntsville	Apr 2008	Aug 2010	4,134	673.00	Y		
2.3) (Q5090) MK 149 WARHEAD		2009	General Dynamics / Burlington, VT	C / CPIF	Huntsville	Apr 2009	Aug 2011	5,508	568.00	Y		
2.3) (Q5090) MK 149 WARHEAD		2010	General Dynamics / Burlington, VT	C / CPIF	Huntsville	May 2010	Sep 2012	2,935	525.04	Y		Oct 2008
2.3) (Q5090) MK 149 WARHEAD		2011	General Dynamics / Burlington, VT	C / CPIF	Huntsville	Apr 2011	Aug 2013	2,666	536.01	Y		Oct 2008
2.3) (Q5090) MK 149 WARHEAD		2012	General Dynamics / Burlington, VT	C / CPIF	Huntsville	Apr 2012	Aug 2014	1,325	547.17	Y		Oct 2008
2.4) (Q5897) WTU-11/B WARHEAD		2009	Flexible Concepts / Elkhart, IN	C / FFP	NAVAIR HQ	Mar 2009	Mar 2010	962	473.00	Y		
2.4) (Q5897) WTU-11/B WARHEAD		2011	Flexible Concepts / Elkhart, IN	C / FFP	NAVAIR HQ	Mar 2011	Mar 2012	961	388.14	Y		
2.4) (Q5897) WTU-11/B WARHEAD		2012	Flexible Concepts / Elkhart, IN	C / FFP	NAVAIR HQ	Mar 2012	Mar 2013	962	396.05	Y		
2.5) (Q5898) M282 MULTI PURPOSE PENETRATOR (MPP)	Y	2010	General Dynamics / Burlington, VT	C / CPIF	NAVAIR HQ	May 2010	Mar 2011	223	3,177.00	Y		Oct 2008
2.5) (Q5898) M282 MULTI PURPOSE PENETRATOR (MPP)		2011	General Dynamics / Burlington, VT	C / FFP	NAVAIR HQ	Mar 2011	Mar 2012	10	3,192.00	Y		
2.5) (Q5898) M282 MULTI PURPOSE PENETRATOR (MPP)	Y	2011	General Dynamics / Burlington, VT	C / FFP	NAVAIR HQ	Mar 2011	Mar 2012	2,350	3,192.00	Y		
2.5) (Q5898) M282 MULTI PURPOSE PENETRATOR (MPP)		2012	General Dynamics / Burlington, VT	C / FFP	NAVAIR HQ	Mar 2012	Mar 2013	44	3,209.00	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 1 / BSA 1	P-1 Line Item Nomenclature: 0151 - Airborne Rockets, All Types	Item Nomenclature: Airborne Rockets, 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
2.5) (Q5898) M282 MULTI PURPOSE PENETRATOR (MPP)	Y	2012	General Dynamics / Burlington, VT	C / FFP	NAVAIR HQ	Mar 2012	Mar 2013	1,714	3,209.00	Y		
2.6) (Q5899) MK 152 WARHEAD ⁽⁴⁾		2010	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NAVAIR HQ	Aug 2010	Aug 2011	2,249	1,333.93	Y		
2.6) (Q5899) MK 152 WARHEAD		2011	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NAVAIR HQ	Jan 2011	Jan 2012	670	1,340.00	Y		
2.6) (Q5899) MK 152 WARHEAD	Y	2011	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NAVAIR HQ	Jan 2011	Jan 2012	5,599	1,340.00	Y		
2.6) (Q5899) MK 152 WARHEAD		2012	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NAVAIR HQ	Jan 2012	Jan 2013	673	1,346.21	Y		
2.6) (Q5899) MK 152 WARHEAD	Y	2012	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NAVAIR HQ	Jan 2012	Jan 2013	17,004	1,346.98	Y		
3.1) (Q5895) 2.75-inch LAUNCHER		2007	Arnold Defense / St. Louis, MI	C / FFP	NAVAIR HQ	Nov 2008	Feb 2009	125	8,400.00	Y		
3.1) (Q5895) 2.75-inch LAUNCHER		2009	Arnold Defense / St. Louis, MI	C / FFP	NAVAIR HQ	Jun 2009	Jun 2010	93	20,000.00	Y		
3.1) (Q5895) 2.75-inch LAUNCHER		2010	Arnold Defense / St. Louis, MI	C / FFP	NAVAIR HQ	Aug 2010	Aug 2012	53	15,735.85	Y		
3.1) (Q5895) 2.75-inch LAUNCHER		2011	Arnold Defense / St. Louis, MI	C / FFP	NAVAIR HQ	Aug 2011	Aug 2013	53	15,757.00	Y		
3.1) (Q5895) 2.75-inch LAUNCHER	Y	2011	Arnold Defense / St. Louis, MI	C / FFP	NAVAIR HQ	Aug 2011	Aug 2013	952	15,757.00	Y		
3.1) (Q5895) 2.75-inch LAUNCHER		2012	Arnold Defense / St. Louis, MI	C / FFP	NAVAIR HQ	Aug 2012	Aug 2014	54	15,777.78	Y		
3.1) (Q5895) 2.75-inch LAUNCHER	Y	2012	Arnold Defense / St. Louis, MI	C / FFP	NAVAIR HQ	Aug 2012	Aug 2014	1	15,777.78	Y		
4.1) (Q5896) APKWS G&C SECTIONS		2010	BAE SYSTEMS / NASHUA, NH	C / FFP	NAVAIR HQ	Apr 2010	Apr 2011	247	28,502.02	Y		Feb 2010
4.1) (Q5896) APKWS G&C SECTIONS		2011	BAE SYSTEMS / NASHUA, NH	C / FFP	NAVAIR HQ	Apr 2011	Apr 2012	600	28,500.00	Y		
4.1) (Q5896) APKWS G&C SECTIONS		2012	BAE SYSTEMS / NASHUA, NH	C / FFP	NAVAIR HQ	Apr 2012	Apr 2013	1,000	17,500.00	Y		Oct 2011
4.1) (Q5896) APKWS G&C SECTIONS	Y	2012	BAE SYSTEMS / NASHUA, NH	C / FFP	NAVAIR HQ	Apr 2012	Apr 2013	656	17,490.85	Y		Oct 2011

Remarks:

- ⁽¹⁾Actual contract method/type is PX; current XML does not permit indicating this.
- ⁽²⁾Actual contract method/type is PX; current XML does not permit indicating this.
- ⁽³⁾Actual contract method/type is PX; current XML does not permit indicating this.
- ⁽⁴⁾Actual contract method/type is PX; current XML does not permit indicating this.

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy																							Date: February 2011								
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1							P-1 Line Item Nomenclature: 0151 - Airborne Rockets, All Types											Item Nomenclature: Airborne Rockets, 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) (Q5040) MK 66 ROCKET MOTOR (MOD 4)																															
	15	2008	Navy	25.24	-	25.24	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.111	-	-	-	-	-	-	-	-	-	-	-	-		
	15	2009	Navy	18.31	-	18.31	-	-	-	-	-	-	-	-	-	-	-	1.526	1.526	1.526	1.526	1.526	1.526	1.526	1.526	1.525	1.525	1.525	1.525	-	
x	15	2009	Navy	59.64	-	59.64	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.97	4.97	4.97	4.97	4.97	34.79	
	15	2010	Navy	8.899	-	8.899	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.899		
x	15	2010	Navy	64.62	-	64.62	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64.62		
	15	2011	Navy	11.83	-	11.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.83		
x	15	2011	Navy	81.49	-	81.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81.49		
	15	2012	Navy	8.694	-	8.694	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.694		
x	15	2012	Navy	65.97	-	65.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65.97		
2.5) (Q5898) M282 MULTI PURPOSE PENETRATOR (MPP)																															
x	16	2010	Navy	.223	-	.223	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	.019	.019	.019	.019	.019	.019	.09	
	16	2011	Navy	.01	-	.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.01		
x	16	2011	Navy	2.35	-	2.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.35		
	16	2012	Navy	.044	-	.044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.044		
x	16	2012	Navy	1.714	-	1.714	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.714		
2.6) (Q5899) MK 152 WARHEAD																															
	17	2010	Navy	2.249	-	2.249	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	.188	.188	1.873
	17	2011	Navy	.67	-	.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.67		
x	17	2011	Navy	5.599	-	5.599	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.599		
	17	2012	Navy	.673	-	.673	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.673		
x	17	2012	Navy	17	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17		
3.1) (Q5895) 2.75-inch LAUNCHER																															
	18	2009	Navy	.093	-	.093	-	-	-	-	-	-	-	.008	.008	.008	.008	.008	.008	.008	.008	.008	.008	.007	.007	.007	-	-	-	-	
	18	2010	Navy	.053	-	.053	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	.053		
	18	2011	Navy	.053	-	.053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.053		
x	18	2011	Navy	.952	-	.952	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.952		
4.1) (Q5896) APKWS G&C SECTIONS																															
	19	2010	Navy	.247	-	.247	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	.027	.026	.026	.026	.026	.026	.09	
	19	2011	Navy	.6	-	.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.6		
	19	2012	Navy	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1 **P-1 Line Item Nomenclature:** 0151 - Airborne Rockets, All Types **Item Nomenclature:** Airborne Rockets, 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					
x	19	2012	Navy	.656	-	.656	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.656
							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 1 / BSA 1							P-1 Line Item Nomenclature: 0151 - Airborne Rockets, All Types										Item Nomenclature: Airborne Rockets, 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
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4)																														
	15	2008	Navy	25.24	25.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15	2009	Navy	18.31	18.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
x	15	2009	Navy	59.64	24.85	34.79	4.97	4.97	4.97	4.97	4.969	4.969	4.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15	2010	Navy	8.899	-	8.899	.742	.742	.742	.742	.742	.742	.742	.741	.741	.741	.741	.741	-	-	-	-	-	-	-	-	-	-	-	-
x	15	2010	Navy	64.62	-	64.62	5.386	5.386	5.386	5.385	5.385	5.385	5.385	5.385	5.385	5.385	5.385	-	-	-	-	-	-	-	-	-	-	-	-	-
	15	2011	Navy	11.83	-	11.83	-	-	-	-	-	-	-	-	-	-	-	-	.986	.986	.986	.986	.986	.986	.986	.986	.986	.986	.986	.986
x	15	2011	Navy	81.49	-	81.49	-	-	-	-	-	-	-	-	-	-	-	-	6.791	6.791	6.791	6.791	6.791	6.791	6.791	6.791	6.791	6.791	6.791	6.791
	15	2012	Navy	8.694	-	8.694	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.694
x	15	2012	Navy	65.97	-	65.97	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65.97
2.5) (Q5898) M282 MULTI PURPOSE PENETRATOR (MPP)																														
x	16	2010	Navy	.223	.133	.09	.018	.018	.018	.018	.018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16	2011	Navy	.01	-	.01	-	-	-	-	-	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	-	-	-	-	-	-	-	-	-
x	16	2011	Navy	2.35	-	2.35	-	-	-	-	-	.196	.196	.196	.196	.196	.196	.196	.196	.196	.195	.195	-	-	-	-	-	-	-	-
	16	2012	Navy	.044	-	.044	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	.003	.003	.003	.003	.004	.004	.004	.02	
x	16	2012	Navy	1.714	-	1.714	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	.155	.155	.155	.155	.155	.155	.155	.629	
2.6) (Q5899) MK 152 WARHEAD																														
	17	2010	Navy	2.249	.376	1.873	.188	.188	.188	.187	.187	.187	.187	.187	.187	.187	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17	2011	Navy	.67	-	.67	-	-	-	.056	.056	.056	.056	.056	.056	.056	.056	.056	.056	.055	.055	-	-	-	-	-	-	-	-	-
x	17	2011	Navy	5.599	-	5.599	-	-	-	.467	.467	.467	.467	.467	.467	.467	.466	.466	.466	.466	.466	-	-	-	-	-	-	-	-	-
	17	2012	Navy	.673	-	.673	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	.057	.056	.056	.056	.056	.056	.056	.168	
x	17	2012	Navy	17	-	17	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	1.417	1.417	1.417	1.417	1.417	1.417	1.417	4.251	
3.1) (Q5895) 2.75-inch LAUNCHER																														
	18	2009	Navy	.093	.093	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18	2010	Navy	.053	-	.053	-	-	-	-	-	-	-	-	-	.005	.005	.005	.005	.005	.004	.004	.004	.004	.004	.004	.004	-	-	-
	18	2011	Navy	.053	-	.053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.005	.005	.043
x	18	2011	Navy	.952	-	.952	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.08	.08	.792
4.1) (Q5896) APKWS G&C SECTIONS																														
	19	2010	Navy	.247	.157	.09	.015	.015	.015	.015	.015	.015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19	2011	Navy	.6	-	.6	-	-	-	-	-	-	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	-	-	-	-	-
	19	2012	Navy	1	-	1	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	.093	.093	.093	.093	.077	.474

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Exhibit P-21, Budget Production Schedule : PB 2012 Navy																						Date: February 2011										
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1										P-1 Line Item Nomenclature: 0151 - Airborne Rockets, All Types										Item Nomenclature: Airborne Rockets, All Types												
COST ELEMENTS Units in Thousands							Fiscal Year 2012											Fiscal Year 2013														
						BAL DUE AS OF 1 OCT	Calendar Year 2012											Calendar Year 2013														
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	Later	
x	19	2012	Navy	.656	-	.656	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	.055	.055	.055	.055	.055	.055	.326
							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 1 / BSA 1							P-1 Line Item Nomenclature: 0151 - Airborne Rockets, All Types										Item Nomenclature: Airborne Rockets, 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
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4)																														
	15	2008	Navy	25.24	25.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15	2009	Navy	18.31	18.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
x	15	2009	Navy	59.64	59.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	15	2010	Navy	8.899	8.899	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	15	2010	Navy	64.62	64.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	15	2011	Navy	11.83	11.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	15	2011	Navy	81.49	81.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	15	2012	Navy	8.694	-	8.694	.722	.722	.722	.722	.722	.722	.722	.722	.722	.733	.733	.732	-	-	-	-	-	-	-	-	-	-	-	-
x	15	2012	Navy	65.97	-	65.97	5.478	5.474	5.474	5.474	5.474	5.474	5.474	5.474	5.567	5.567	5.568	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5) (Q5898) M282 MULTI PURPOSE PENETRATOR (MPP)																														
x	16	2010	Navy	.223	.223	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	16	2011	Navy	.01	.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	16	2011	Navy	2.35	2.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	16	2012	Navy	.044	.024	.02	.004	.004	.004	.004	.004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	16	2012	Navy	1.714	1.085	.629	.126	.126	.126	.126	.125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.6) (Q5899) MK 152 WARHEAD																														
	17	2010	Navy	2.249	2.249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	17	2011	Navy	.67	.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	17	2011	Navy	5.599	5.599	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	17	2012	Navy	.673	.505	.168	.056	.056	.056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	17	2012	Navy	17	12.75	4.251	1.417	1.417	1.417	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.1) (Q5895) 2.75-inch LAUNCHER																														
	18	2009	Navy	.093	.093	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	18	2010	Navy	.053	.053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	18	2011	Navy	.053	.01	.043	.005	.005	.005	.004	.004	.004	.004	.004	.004	.004	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	18	2011	Navy	.952	.16	.792	.08	.08	.079	.079	.079	.079	.079	.079	.079	.079	-	-	-	-	-	-	-	-	-	-	-	-	-	
4.1) (Q5896) APKWS G&C SECTIONS																														
	19	2010	Navy	.247	.247	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	19	2011	Navy	.6	.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	19	2012	Navy	1	.526	.474	.093	.077	.077	.077	.075	.075	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1 **Item Nomenclature:** Airborne Rockets, All Types

P-1 Line Item Nomenclature: 0151 - Airborne Rockets, All Types

COST ELEMENTS							Fiscal Year 2014														Fiscal Year 2015														Later
Units in Thousands							Calendar Year 2014														Calendar Year 2015														
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	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					
x	19	2012	Navy	.656	.33	.326	.055	.054	.054	.054	.054	.055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
							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	General Dynamics - Burlington, VT	3.6	300	552						0	7	18	25
2	General Dynamics - Burlington, VT	2.4	3.4	4.4						0	6	12	18
3	NSWC INDIAN HEAD DIV - Indian Head, MD	.3	8	15						0	4	12	16
4	Arnold Defense - St. Louis, MI	.004	.54	1						0	11	24	35
5	BAE SYSTEMS - NASHUA, NH	.2	.8	1.5						0	7	12	19

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 1 : Proc Ammo, Navy / BSA 1 : Navy Ammunition

P-1 Line Item Nomenclature:
0155 - Machine Gun 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)	215.690	92.402	90.663	17.788	22.400	40.188	21.604	20.928	21.747	22.060	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	215.690	92.402	90.663	17.788	22.400	40.188	21.604	20.928	21.747	22.060	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	215.690	92.402	90.663	17.788	22.400	40.188	21.604	20.928	21.747	22.060	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

This line funds procurement of 20MM/25MM ammunition used with various aircraft gun systems and includes integrated logistics, product engineering support and product improvement programs. The ammunition procurements fall into two categories: Target Practice (TP) and High Explosive Incendiary (HEI). The TP rounds are used for training and also include Target Practice - Tracer (TP-T) rounds. The HEI rounds are used for warfighting and also include Semi Armor Piercing High Explosive Incendiary (SAPHEI) rounds. 20MM rounds are procured in both linkless and linked configurations. The linkless (or bulk) rounds are used in the M61A1/A2 Gun Systems in the F/A-18 Aircraft. The linked rounds are used in the M197 gun on AH-1 aircraft. 25MM rounds are procured in the linkless configuration and are used in the GAU-12 Gun System in the AV-8B aircraft. 30MM rounds are procured in the linked configuration and are used in the MK-44 Gun System in the KC-130J aircraft. All 20MM/25MM 30MM ammunition is procured by the Joint Munitions Command, Rock Island, Illinois and Naval Surface Warfare Center, Crane, Indiana. Inert rounds are procured through Naval Surface Warfare Center, Crane, Indiana.

FY 10 provides funding to procure 20MM linkless, TP, PGU-27; 20MM linkless, TP-T; 20MM linked, TP, PGU-27; 20MM linked, HEI; inert rounds; 25MM linkless, TP.

FY 11 provides funding to procure 20MM linkless, TP, PGU-27; 20MM linkless, TP-T; 20MM linked, TP, PGU-27; 20MM linked, HEI; inert rounds.

FY 12 provides funding to procure 20MM linkless, TP, PGU-27; 20MM linkless, TP-T; 20MM linkless, HEI, PGU-28; 20MM linked, TP, PGU-27; 20MM linked, HEI; 25MM linkless, TP; 25MM linkless, HEI; Inert Rounds.

FY 10 OCO provides funding to procure 20MM linkless, TP, PGU-27; 20MM linkless, TP-T; 20MM linked, TP, PGU-27; 20MM linked, HEI; Inert rounds.

FY 11 OCO provides funding to procure 20MM linkless, TP, PGU-27; 20MM linkless, TP-T; 20MM linked, TP, PGU-27; 20MM linked, HEI; Inert rounds; 30MM linked, TP and 30mm linked, HEI.

FY 12 OCO provides funding to procure 20MM linkless, TP, PGU-27; 20MM linked TP, PGU-27; 25MM linkless HEI.

Remarks:

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1					P-1 Line Item Nomenclature: 0155 - Machine Gun Ammunition					Item Nomenclature: Machine Gun 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) Machine Gun Ammunition		-	-	178.672	-	-	90.006	-	-	87.179	-	-	14.774	-	-	22.400	-	-	37.174
† 1.1) (Q4010) 20MM LINKLESS TP,PGU-27	A	-	-	59.936	12.56	2,777K	34.878	13.34	1,327K	17.704	14.16	274,294	3.884	14.16	847,458	12.000	14.16	1,122K	15.884
† 1.2) (Q4050) 20MM LINKLESS, HEI PGU-28	A	-	-	48.394	-	-	-	-	-	-	35.71	28	0.001	-	-	-	35.71	28	0.001
† 1.3) (Q4060) 20MM LINKED, TP PGU-27	A	-	-	25.028	20.25	1,383K	28.000	21.65	946,374	20.489	22.65	166,667	3.775	22.65	392,936	8.900	22.65	559,603	12.675
† 1.4) (Q4070) 20MM LINKED, HEI	A	-	-	43.226	49.93	369,778	18.463	47.37	463,479	21.955	49.73	80,696	4.013	-	-	-	49.73	80,696	4.013
† 1.5) (Q4080) 20MM LINKLESS , TP-T	A	-	-	0.500	24.64	54,748	1.349	27.36	54,825	1.500	29.06	51,617	1.500	-	-	-	29.06	51,617	1.500
† 1.6) (Q4090) 25MM LINKLESS TP	A	-	-	-	18.96	183,914	3.487	-	-	-	16.25	62	0.001	-	-	-	16.25	62	0.001
† 1.7) (Q4150) 25MM LINKLESS, HEI	A	-	-	1.388	38.63	96,531	3.729	39.22	56,833	2.229	40.00	37,500	1.500	40.00	37,500	1.500	40.00	75,000	3.000
† 1.8) (Q4200) INERT ROUND	A	-	-	0.200	17.50	5,714	0.100	18.03	5,546	0.100	18.57	5,385	0.100	-	-	-	18.57	5,385	0.100
† 1.9) (Q4210) 30MM LINKED TP	A	-	-	-	-	-	-	27.78	36	0.001	-	-	0.000	-	-	-	-	-	0.000
† 1.10) (Q4220) 30MM LINKED HEI	A	-	-	-	-	-	-	138.93	166,998	23.201	-	-	0.000	-	-	-	-	-	0.000
2) PRODUCT IMPROVEMENT		-	-	8.470	-	-	0.559	-	-	0.707	-	-	0.530	-	-	-	-	-	0.530
2.1) (Q4850) Machine Gun Ammunition	A	-	-	8.470	-	-	0.559	-	-	0.707	-	-	0.530	-	-	-	-	-	0.530
3) INTEGRATED LOGISTIC SUPPORT		-	-	4.511	-	-	0.652	-	-	0.691	-	-	0.582	-	-	-	-	-	0.582
3.1) (Q4800) Machine Gun Ammunition	A	-	-	4.511	-	-	0.652	-	-	0.691	-	-	0.582	-	-	-	-	-	0.582
4) PRODUCTION ENGINEERING		-	-	24.037	-	-	1.185	-	-	2.086	-	-	1.902	-	-	-	-	-	1.902
4.1) (Q4830) Machine Gun Ammunition	A	-	-	24.037	-	-	1.185	-	-	2.086	-	-	1.902	-	-	-	-	-	1.902
Gross/Weapon System Cost		-	-	215.690	-	-	92.402	-	-	90.663	-	-	17.788	-	-	22.400	-	-	40.188
Less PY 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 1 / BSA 1	P-1 Line Item Nomenclature: 0155 - Machine Gun Ammunition	Item Nomenclature: Machine Gun Ammunition
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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
Net Procurement (P1)		-	-	215.690	-	-	92.402	-	-	90.663	-	-	17.788	-	-	22.400	-	-	40.188
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	215.690	-	-	92.402	-	-	90.663	-	-	17.788	-	-	22.400	-	-	40.188
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 1 / BSA 1				P-1 Line Item Nomenclature: 0155 - Machine Gun Ammunition					Item Nomenclature: Machine Gun 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
1.1) (Q4010) 20MM LINKLESS TP,PGU-27		2010	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2010	Apr 2011	2,777K	12.56	Y		Sep 2008
1.1) (Q4010) 20MM LINKLESS TP,PGU-27		2011	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2011	Apr 2012	427,586	13.34	Y		Sep 2008
1.1) (Q4010) 20MM LINKLESS TP,PGU-27	Y	2011	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2011	Apr 2012	899,550	13.34	Y		Sep 2008
1.1) (Q4010) 20MM LINKLESS TP,PGU-27		2012	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2012	Apr 2013	274,294	14.16	Y		Sep 2008
1.1) (Q4010) 20MM LINKLESS TP,PGU-27	Y	2012	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2012	Apr 2013	847,458	14.16	Y		Sep 2008
1.2) (Q4050) 20MM LINKLESS, HEI PGU-28		2012	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2012	Apr 2013	28	35.71	Y		Sep 2008
1.3) (Q4060) 20MM LINKED, TP PGU-27		2009	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2009	Apr 2010	311,936	19.65	Y		Sep 2008
1.3) (Q4060) 20MM LINKED, TP PGU-27		2010	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2010	Apr 2011	1,383K	20.25	Y		Sep 2008
1.3) (Q4060) 20MM LINKED, TP PGU-27		2011	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2011	Apr 2012	169,330	21.65	Y		Sep 2008
1.3) (Q4060) 20MM LINKED, TP PGU-27	Y	2011	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2011	Apr 2012	777,044	21.65	Y		Sep 2008
1.3) (Q4060) 20MM LINKED, TP PGU-27		2012	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2012	Apr 2013	166,667	22.65	Y		Sep 2008
1.3) (Q4060) 20MM LINKED, TP PGU-27	Y	2012	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2012	Apr 2013	392,936	22.65	Y		Sep 2008
1.4) (Q4070) 20MM LINKED, HEI		2009	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2009	Apr 2010	148,755	27.32	Y		Sep 2008
1.4) (Q4070) 20MM LINKED, HEI		2010	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2010	Apr 2011	69,357	49.93	Y		Sep 2008

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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 1 / BSA 1				P-1 Line Item Nomenclature: 0155 - Machine Gun Ammunition					Item Nomenclature: Machine Gun 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
1.4) (Q4070) 20MM LINKED, HEI	Y	2010	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2010	Apr 2011	300,421	49.93	Y		Sep 2008
1.4) (Q4070) 20MM LINKED, HEI		2011	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2011	Apr 2012	167,933	47.37	Y		Sep 2008
1.4) (Q4070) 20MM LINKED, HEI	Y	2011	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2011	Apr 2012	295,546	47.37	Y		Sep 2008
1.4) (Q4070) 20MM LINKED, HEI		2012	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2012	Apr 2013	80,696	49.73	Y		Sep 2008
1.5) (Q4080) 20MM LINKLESS , TP-T		2010	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2010	Apr 2011	54,748	24.64	Y		Sep 2008
1.5) (Q4080) 20MM LINKLESS , TP-T		2011	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2011	Apr 2012	54,825	27.36	Y		Sep 2008
1.5) (Q4080) 20MM LINKLESS , TP-T		2012	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2012	Apr 2013	51,617	29.06	Y		Sep 2008
1.6) (Q4090) 25MM LINKLESS TP		2010	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2011	Apr 2012	183,914	18.96	Y		Sep 2008
1.6) (Q4090) 25MM LINKLESS TP		2012	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2012	Apr 2013	62	16.25	Y		Sep 2008
1.7) (Q4150) 25MM LINKLESS, HEI		2008	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	NSWC CRANE, IN	Sep 2008	Jul 2009	18,613	36.91	Y		Apr 2006
1.7) (Q4150) 25MM LINKLESS, HEI		2009	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	NSWC CRANE, IN	Apr 2009	Apr 2010	18,322	38.26	Y		Apr 2006
1.7) (Q4150) 25MM LINKLESS, HEI		2010	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2010	Apr 2011	77,660	38.63	Y		Sep 2008
1.7) (Q4150) 25MM LINKLESS, HEI	Y	2010	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2010	Apr 2011	18,871	38.63	Y		Sep 2008
1.7) (Q4150) 25MM LINKLESS, HEI		2011	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2011	Apr 2012	18,587	39.22	Y		Sep 2008

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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 1 / BSA 1				P-1 Line Item Nomenclature: 0155 - Machine Gun Ammunition						Item Nomenclature: Machine Gun 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
1.7) (Q4150) 25MM LINKLESS, HEI	Y	2011	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2011	Apr 2012	38,246	39.22	Y		Sep 2008
1.7) (Q4150) 25MM LINKLESS, HEI		2012	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2012	Apr 2013	37,500	40.00	Y		Sep 2008
1.7) (Q4150) 25MM LINKLESS, HEI	Y	2012	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2012	Apr 2013	37,500	40.00	Y		Sep 2008
1.8) (Q4200) INERT ROUND		2008	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	NSWC CRANE, IN	Sep 2008	Jul 2009	6,061	16.50	Y		Apr 2006
1.8) (Q4200) INERT ROUND		2009	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	NSWC CRANE, IN	Apr 2009	Apr 2010	5,889	16.98	Y		Apr 2006
1.8) (Q4200) INERT ROUND		2010	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	NSWC CRANE, IN	Apr 2010	Apr 2011	5,714	17.50	Y		Sep 2008
1.8) (Q4200) INERT ROUND		2011	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	NSWC CRANE, IN	Apr 2011	Apr 2012	5,546	18.03	Y		Sep 2008
1.8) (Q4200) INERT ROUND		2012	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	NSWC CRANE, IN	Apr 2012	Apr 2013	5,385	18.57	Y		Sep 2008
1.9) (Q4210) 30MM LINKED TP		2011	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2011	Apr 2012	36	27.78	Y		Sep 2008
1.10) (Q4220) 30MM LINKED HEI	Y	2011	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2011	Apr 2012	166,998	138.93	Y		Sep 2008
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 1 / BSA 1 **P-1 Line Item Nomenclature:** 0155 - Machine Gun Ammunition **Item Nomenclature:** Machine Gun Ammunition

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) (Q4010) 20MM LINKLESS TP,PGU-27																																				
	20	2010	Navy	2777	-	2777	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	235.9	231	231	231	231	231	231	1386
	20	2011	Navy	427.6	-	427.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	427.6
x	20	2011	Navy	899.6	-	899.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	899.6	
	20	2012	Navy	274.3	-	274.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	274.3	
x	20	2012	Navy	847.5	-	847.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	847.5	
1.3) (Q4060) 20MM LINKED, TP PGU-27																																				
	21	2009	Navy	311.9	-	311.9	-	-	-	-	-	-	-	50	50	50	50	50	50	11.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	21	2010	Navy	1383	-	1383	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	115.2	115.2	115.2	115.2	115.2	115.2	115.2	691.4	
	21	2011	Navy	169.3	-	169.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	169.3	
x	21	2011	Navy	777	-	777	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	777		
	21	2012	Navy	166.7	-	166.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	166.7	
x	21	2012	Navy	392.9	-	392.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	392.9	
1.4) (Q4070) 20MM LINKED, HEI																																				
	22	2010	Navy	69.36	-	69.36	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	5.78	5.78	5.78	5.78	5.78	5.78	5.78	34.68	
x	22	2010	Navy	300.4	-	300.4	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	25.04	25.04	25.04	25.04	25.04	25.04	25.04	150.2	
	22	2011	Navy	167.9	-	167.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	167.9	
x	22	2011	Navy	295.5	-	295.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	295.5	
	22	2012	Navy	80.7	-	80.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80.7	
1.10) (Q4220) 30MM LINKED HEI																																				
x	23	2011	Navy	167	-	167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	167	
							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 1 / BSA 1							P-1 Line Item Nomenclature: 0155 - Machine Gun Ammunition										Item Nomenclature: Machine Gun Ammunition													
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
1.1) (Q4010) 20MM LINKLESS TP,PGU-27																														
	20	2010	Navy	2777	1391	1386	231	231	231	231	231	231	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	20	2011	Navy	427.6	-	427.6	-	-	-	-	-	-	35.63	35.63	35.63	35.63	35.63	35.63	35.63	35.63	35.63	35.63	35.63	35.63	35.63	-	-	-	-	
x	20	2011	Navy	899.6	-	899.6	-	-	-	-	-	-	74.96	74.96	74.96	74.96	74.96	74.96	74.96	74.96	74.96	74.96	74.96	74.96	74.96	-	-	-	-	
	20	2012	Navy	274.3	-	274.3	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	23	23	23	23	23	
x	20	2012	Navy	847.5	-	847.5	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	71.46	71	71	71	71	
1.3) (Q4060) 20MM LINKED, TP PGU-27																														
	21	2009	Navy	311.9	311.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	21	2010	Navy	1383	691.4	691.4	115.2	115.2	115.2	115.2	115.2	115.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	21	2011	Navy	169.3	-	169.3	-	-	-	-	-	-	14.12	14.11	14.11	14.11	14.11	14.11	14.11	14.11	14.11	14.11	14.11	14.11	14.11	-	-	-	-	
x	21	2011	Navy	777	-	777	-	-	-	-	-	-	64.75	64.75	64.75	64.75	64.75	64.75	64.75	64.75	64.75	64.75	64.75	64.75	64.75	-	-	-	-	
	21	2012	Navy	166.7	-	166.7	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	14	14	14	14	14	
x	21	2012	Navy	392.9	-	392.9	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	32.74	32.74	32.74	32.74	32.75	
1.4) (Q4070) 20MM LINKED, HEI																														
	22	2010	Navy	69.36	34.68	34.68	5.78	5.78	5.78	5.78	5.78	5.777	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	22	2010	Navy	300.4	150.2	150.2	25.04	25.04	25.04	25.04	25.04	25.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	22	2011	Navy	167.9	-	167.9	-	-	-	-	-	-	14	14	14	14	14	14	14	14	14	14	14	13.99	-	-	-	-	-	
x	22	2011	Navy	295.5	-	295.5	-	-	-	-	-	-	24.63	24.63	24.63	24.63	24.63	24.63	24.63	24.63	24.63	24.63	24.63	24.63	-	-	-	-	-	
	22	2012	Navy	80.7	-	80.7	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	6.725	6.725	6.725	6.725	6.725	
1.10) (Q4220) 30MM LINKED HEI																														
x	23	2011	Navy	167	-	167	-	-	-	-	-	-	13.92	13.92	13.92	13.92	13.92	13.92	13.92	13.92	13.92	13.92	13.92	13.92	-	-	-	-	-	
							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 1 / BSA 1 **P-1 Line Item Nomenclature:** 0155 - Machine Gun Ammunition **Item Nomenclature:** Machine Gun Ammunition

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) (Q4010) 20MM LINKLESS TP,PGU-27																																	
	20	2010	Navy	2777	2777	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	20	2011	Navy	427.6	427.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
x	20	2011	Navy	899.6	899.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	20	2012	Navy	274.3	138	136.3	23	23	23	23	22.29	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
x	20	2012	Navy	847.5	426.5	421	71	71	71	71	71	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1.3) (Q4060) 20MM LINKED, TP PGU-27																																	
	21	2009	Navy	311.9	311.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	21	2010	Navy	1383	1383	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	21	2011	Navy	169.3	169.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
x	21	2011	Navy	777	777	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	21	2012	Navy	166.7	84	82.67	14	14	13.89	13.89	13.89	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
x	21	2012	Navy	392.9	196.5	196.5	32.75	32.75	32.75	32.75	32.75	32.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1.4) (Q4070) 20MM LINKED, HEI																																	
	22	2010	Navy	69.36	69.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
x	22	2010	Navy	300.4	300.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	22	2011	Navy	167.9	167.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
x	22	2011	Navy	295.5	295.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	22	2012	Navy	80.7	40.35	40.35	6.725	6.725	6.725	6.725	6.725	6.721	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1.10) (Q4220) 30MM LINKED HEI																																	
x	23	2011	Navy	167	167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
							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	GENERAL DYNAMICS OTS/ ATK - MARION, IL / LAKE CITY, MO	.027	.5	1.36									6	7	12	19
2		.027	.5	1.36									6	7	12	19

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1	P-1 Line Item Nomenclature: 0155 - Machine Gun Ammunition	Item Nomenclature: Machine Gun Ammunition
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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	
	GENERAL DYNAMICS OTS/ ATK - MARION, IL / LAKE CITY, MO												
3	GENERAL DYNAMICS OTS/ ATK - MARION, IL / LAKE CITY, MO	.02	.137	.37						6	7	12	19
4	GENERAL DYNAMICS OTS/ ATK - MARION, IL / LAKE CITY, MO	.02	.137	.37						6	7	12	19

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 1 : Proc Ammo, Navy / BSA 1 :
 Navy Ammunition

P-1 Line Item Nomenclature:
 0160 - Practice Bombs

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)	630.200	28.016	33.666	35.289	-	35.289	34.831	39.091	30.440	30.870	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	630.200	28.016	33.666	35.289	-	35.289	34.831	39.091	30.440	30.870	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	630.200	28.016	33.666	35.289	-	35.289	34.831	39.091	30.440	30.870	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

MISSION DESCRIPTION:

Practice Bombs are a low cost alternative to expenditures of live bombs for training. The MK 76 and the BDU-33 sub-caliber Practice Bombs simulate an unretarded MK 80 series bomb. Both are 25 lb cast iron shape with a breach hole for a MK 4 or CXU-3 signal cartridge, which provides a smoke signal cartridge or flash upon impact. The MK 82 Inert is a full-scale Practice Bomb. It is a MK 80 series bomb body filled with an inert material and has the same weight, size, center of gravity and ballistics of a live bomb. These items are procured by the Army Joint Munitions Command (JMC) the Single Manager for Conventional Ammunition.

The Enhanced Laser Guided Training Round (ELGTR) is procured directly by the Navy. This round enhances the effective use of the PAVEWAY II Laser Guided Bombs (LGB) precision guided weapon which requires coordination between the aircrew and the laser designator. Development of delivery options and multi-aircraft tactics require extensive, cost effective training. The ELGTR is capable of replicating the kinematics of LGBs to provide increased training capability and follow-on advanced tactics development and is suitable for launch from all Navy and Marine Corps aircraft used to deploy LGBs. ELGTR provides actual hardware for aircrew and tactics development at a greatly reduced cost while maintaining LGB stockpiles.

The BDU-48 Practice Bomb is a thin cased 10 lb cylindrical practice bomb that simulates the same ballistic properties of a high-drag General Purpose Bomb. Since practice bombs contain no explosive filler, a practice bomb signal cartridge (smoke) is used for visual observation of weapon target impact. Practice bombs provide a low cost training device for pilot and ground handling crews. Due to the relatively small amount of explosive material in practice bombs (small signal charge), the availability of ranges for training is greatly increased. BDU-48 Practice Bombs were last procured in FY2009 and deliveries complete in FY2011.

The Production Engineering Support, Integrated Logistics Support and Product Improvement Program are continuing annualized efforts associated with ongoing procurements of the Practice Bombs associated Signal Cartridge, BDU-45/B, MK 76 and the BDU-33, BDU-48, ELGTR, fins and other practice weapons. These efforts include: first article and quality assurance testing; production engineering support; technical manual updates; preparation/evaluation/approval of engineering change proposals; and response to fleet inquiries.

The Miscellaneous Items line includes low cost items such as M70 series cables, MK 89 Adapters, Arming Wires, Lugs, Nose Plugs, containers, etc.

FY10 provides funding to procure MK 82 Inert, Enhanced Laser Guided Training Rounds and associated support.

FY11 provides funding to procure MK 82 Inert, Enhanced Laser Guided Training Rounds and associated support.

FY12 provides funding to procure MK 82 Inert, Enhanced Laser Guided Training Rounds and associated support.

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1					P-1 Line Item Nomenclature: 0160 - Practice Bombs					Item Nomenclature: Practice Bombs									
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) Procurements		-	-	-	-	-	18.996	-	-	28.366	-	-	30.256	-	-	-	-	-	30.256
1.1) Q1090 BDU-33	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
1.2) Q1061 BDU-48	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
1.3) Q1010 MK 76	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 1.4) Q1040 MK 82 INERT	A	-	-	-	1,598.40	2,129	3.403	1,630.11	3,374	5.500	1,833.20	4,982	9.133	-	-	-	1,833.20	4,982	9.133
† 1.5) Q1300 ELGTR ⁽¹⁾	A	-	-	-	2,904.27	5,369	15.593	2,904.00	7,874	22.866	2,970.89	7,110	21.123	-	-	-	2,970.89	7,110	21.123
2) Integrated Logistics Support		-	-	-	-	-	0.100	-	-	0.102	-	-	0.104	-	-	-	-	-	0.104
2.1) Q1800 BDU-33	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
2.2) Q1800 MK 82 INERT	A	-	-	-	-	-	0.025	-	-	0.026	-	-	0.026	-	-	-	-	-	0.026
2.3) Q1800 ELGTR	A	-	-	-	-	-	0.075	-	-	0.076	-	-	0.078	-	-	-	-	-	0.078
3) Production Engineering		-	-	-	-	-	3.750	-	-	3.607	-	-	3.368	-	-	-	-	-	3.368
3.1) Q1830 BDU-33	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
3.2) Q1830 MK 82 INERT	A	-	-	-	-	-	0.760	-	-	0.770	-	-	0.780	-	-	-	-	-	0.780
3.3) Q1830 ELGTR	A	-	-	-	-	-	2.990	-	-	2.837	-	-	2.588	-	-	-	-	-	2.588
4) Miscellaneous Support		-	-	630.200	-	-	5.170	-	-	1.591	-	-	1.561	-	-	-	-	-	1.561
4.1) Q1062 Miscellaneous Items ⁽²⁾	A	-	-	-	-	-	0.970	-	-	0.991	-	-	0.937	-	-	-	-	-	0.937
4.2) Q1850 Product Improvement Program (PIP) ⁽³⁾	A	-	-	-	-	-	3.950	-	-	0.350	-	-	0.364	-	-	-	-	-	0.364
4.3) Q1894 Gaging	A	-	-	-	-	-	0.250	-	-	0.250	-	-	0.260	-	-	-	-	-	0.260
4.4) Prior Years	A	-	-	630.200	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
4.1) New Level 2 SubTotal		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Gross/Weapon System Cost		-	-	630.200	-	-	28.016	-	-	33.666	-	-	35.289	-	-	-	-	-	35.289
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	630.200	-	-	28.016	-	-	33.666	-	-	35.289	-	-	-	-	-	35.289
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 1 / BSA 1 **P-1 Line Item Nomenclature:** 0160 - Practice Bombs **Item Nomenclature:** Practice Bombs

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		-	-	630.200	-	-	28.016	-	-	33.666	-	-	35.289	-	-	-	-	-	35.289
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Remarks:

- (1)The FY11 ELGTR unit cost was negotiated with the FY10 contract and is higher than the PB11 budget submission resulting in lower quantities being procured. FY12 unit cost was estimated using inflation indices based on pending final negotiated FY11 unit cost.
- (2)The Miscellaneous Items line includes low cost items such as M70 series cables, MK89 Adapters, Arming Wires, Lugs, Nose Plugs and containers.
- (3)FY10 PIP line (Q1850) includes \$3.6M of Congressional Add funding for the Enhanced Laser Guided Training Round (ELGTR) weaponization program.

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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 1 / BSA 1	P-1 Line Item Nomenclature: 0160 - Practice Bombs	Item Nomenclature: Practice Bombs
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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
1.4) Q1040 MK 82 INERT ⁽¹⁾		2006	General Dynamics / Garland, TX / MCAAP	SS / FP	JMC, Rock Island, IL	Feb 2006	Jan 2007	16,894	1,269.00	Y		Nov 2005
1.4) Q1040 MK 82 INERT		2009	General Dynamics / Garland, TX / MCAAP	SS / FP	JMC, Rock Island, IL	Feb 2009	Feb 2010	1,914	1,557.00	Y		Nov 2008
1.4) Q1040 MK 82 INERT		2010	General Dynamics / Garland, TX / MCAAP	SS / FP	JMC, Rock Island, IL	Feb 2010	Sep 2010	2,129	1,598.40	Y		Nov 2009
1.4) Q1040 MK 82 INERT		2011	General Dynamics / Garland, TX / MCAAP	SS / FP	JMC, Rock Island, IL	Feb 2011	Jan 2012	3,374	1,630.11	Y		Nov 2010
1.4) Q1040 MK 82 INERT		2012	General Dynamics / Garland, TX / MCAAP	SS / FP	JMC, Rock Island, IL	Feb 2012	Jan 2013	4,982	1,833.20	Y		Nov 2011
1.5) Q1300 ELGTR ⁽²⁾		2008	Lockheed Martin Corporation / Archbald, PA	C / FP	NAVAIR, Pax River	May 2008	Sep 2009	10,170	1,738.00	Y		Aug 2004
1.5) Q1300 ELGTR		2009	Lockheed Martin Corporation / Archbald, PA	C / FP	NAVAIR, Pax River, MD	Mar 2009	Oct 2010	9,303	1,733.00	Y		Aug 2004
1.5) Q1300 ELGTR		2010	Lockheed Martin Corporation / Archbald, PA	C / FP	NAVAIR, Pax River, MD	Sep 2010	Mar 2012	5,369	2,904.27	Y		Nov 2009
1.5) Q1300 ELGTR ⁽³⁾		2011	Lockheed Martin Corporation / Archbald, PA	C / FP	NAVAIR, Pax River, MD	Feb 2011	Aug 2012	7,874	2,904.00	Y		Nov 2009
1.5) Q1300 ELGTR ⁽⁴⁾		2012	Lockheed Martin Corporation / Archbald, PA	C / FP	NAVAIR, Pax River, MD	Mar 2012	Aug 2013	7,110	2,970.89	Y		Nov 2009

Remarks:

Monthly deliveries vary depending on joint service requirements. The minimum sustaining rate represents the rate for joint service procurements.

⁽¹⁾FY06 MK82 last lot deliveries completed Feb 2010.

⁽²⁾FY08 ELGTR deliveries completed in July 2010.

⁽³⁾The FY11 ELGTR unit cost was negotiated with the FY10 contract and is higher than the PB11 budget submission resulting in lower quantities being procured.

⁽⁴⁾FY12 unit cost was estimated using inflation indices based on pending final negotiated FY11 unit cost.

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1 **P-1 Line Item Nomenclature:** 0160 - Practice Bombs **Item Nomenclature:** Practice Bombs

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			
1.4) Q1040 MK 82 INERT																																	
	24 ⁽¹⁾	2006	Navy	16.89	11.33	5.568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.568		
	24	2009	Navy	1.914	-	1.914	-	-	-	-	.132	.276	.54	-	-	-	.426	.144	-	-	.396	-	-	-	-	-	-	-	-	-	-		
	24 ⁽²⁾	2010	Navy	2.129	-	2.129	-	-	-	-	A -	-	-	-	-	-	.472	-	-	-	-	-	-	-	-	-	-	-	-	-			
	24	2011	Navy	3.374	-	3.374	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	24	2012	Navy	4.982	-	4.982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1.5) Q1300 ELGTR																																	
	25 ⁽³⁾	2008	Navy	10.17	1.8	8.37	1.6	1	.722	.852	.735	.465	.75	.9	.75	.596	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	25	2009	Navy	9.303	-	9.303	-	-	-	-	-	-	-	-	-	-	-	-	1.5	.8	.8	.8	.8	.8	.8	.8	.8	.8	.75	.653	-		
	25	2010	Navy	5.369	-	5.369	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-			
	25	2011	Navy	7.874	-	7.874	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	25	2011	Int.	.492	-	.492	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	25	2012	Navy	7.11	-	7.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
							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 1 / BSA 1 **P-1 Line Item Nomenclature:** 0160 - Practice Bombs **Item Nomenclature:** Practice Bombs

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		
1.4) Q1040 MK 82 INERT																																
	24 ⁽¹⁾	2006	Navy	16.89	11.33	5.568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.568		
	24	2009	Navy	1.914	1.914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	24 ⁽²⁾	2010	Navy	2.129	.472	1.657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.657		
	24	2011	Navy	3.374	-	3.374	-	-	-	3.374	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	24	2012	Navy	4.982	-	4.982	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1.5) Q1300 ELGTR																																
	25 ⁽³⁾	2008	Navy	10.17	10.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	25	2009	Navy	9.303	9.303	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	25	2010	Navy	5.369	-	5.369	-	-	-	-	-	.75	.75	.75	.75	.75	.75	.119	-	-	-	-	-	-	-	-	-	-	-	-		
	25	2011	Navy	7.874	-	7.874	-	-	-	-	-	-	-	-	-	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.374	-	-	-	
	25	2011	Int.	.492	-	.492	-	-	-	-	-	-	-	-	-	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041	.041	-		
	25	2012	Navy	7.11	-	7.11	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.75	.75	5.61	
							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 1 / BSA 1 **P-1 Line Item Nomenclature:** 0160 - Practice Bombs **Item Nomenclature:** Practice Bombs

COST ELEMENTS Units in Thousands							Fiscal Year 2014														Fiscal Year 2015														Later
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP 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					
1.4) Q1040 MK 82 INERT																																			
	24 ⁽¹⁾	2006	Navy	16.89	11.33	5.568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.568						
	24	2009	Navy	1.914	1.914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	24 ⁽²⁾	2010	Navy	2.129	.472	1.657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.657						
	24	2011	Navy	3.374	3.374	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	24	2012	Navy	4.982	4.982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
1.5) Q1300 ELGTR																																			
	25 ⁽³⁾	2008	Navy	10.17	10.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	25	2009	Navy	9.303	9.303	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	25	2010	Navy	5.369	5.369	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	25	2011	Navy	7.874	7.874	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	25	2011	Int.	.492	.492	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	25	2012	Navy	7.11	1.5	5.61	.75	.75	.75	.75	.72	.75	.75	.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
							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	General Dynamics - Garland, TX / MCAAP	7.2	10.8	45.6	0	5	11	16						
2	Lockheed Martin Corporation - Archbald, PA	4	11.52	20.43	0	0	17	17	0	6	17	23		

Remarks:
⁽¹⁾MK 82 Inert - The remaining deliveries of 5,568 were delivered in February 2010.
⁽²⁾FY10 MK82 Inert remaining deliveries, quantity of 1657, will be delivered in December 2012.
⁽³⁾FY08 ELGTR deliveries completed in July 2010.

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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 1 : Proc Ammo, Navy / BSA 1 : Navy Ammunition	P-1 Line Item Nomenclature: 0180 - Cartridge Actuated Devices/Propellant Act Devices
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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)	411.741	47.852	53.667	49.416	-	49.416	54.707	55.718	56.656	57.590	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	411.741	47.852	53.667	49.416	-	49.416	54.707	55.718	56.656	57.590	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	411.741	47.852	53.667	49.416	-	49.416	54.707	55.718	56.656	57.590	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

Life-limited energetic devices utilized in aircraft egress and safety systems, personnel gear, and to release a weapon or other store from the aircraft - 676 distinct devices; 46,000 install and 300,000 stores release devices per year utilized in USN, MC platforms. The CAD/PAD yearly requirement is modeled based upon the active Aircraft in OPNAV's A2 report and the assigned service life of the individual CAD/PADs. Due to the individually unique service lives, the yearly requirement of items and their respective quantities is variable.

Stores Release

Stores Release cartridges are utilized to release weapons and other stores from aircraft. The JAU-22/B impulse cartridge is utilized to eject sonobouys, the CCU-107 to release "light" weapons/stores from aircraft, and the CCU-45 (MD65) to release "heavy" weapons/stores. 10 additional distinct stores release CADs, with yearly procurements typically less than \$500K, are procured under the miscellaneous devices budget line.

Safety

Items such as safety/arming devices, sequence controls, shielded mild detonating cords, gas generators, initiators, thrusters, fire extinguisher cartridges, thermal batteries, rocket motors, catapults, etc, are used in aircraft emergency escape and safety systems. The total number and type of devices installed varies with the type of aircraft, for example: F/A-18F(109), T-6A (65), EA-6B(45), T-45(76), T/AV-8(90), MV-22 (63) and AH-1(27). These explosives have finite service lives and are replaced during scheduled maintenance. An aircraft may be grounded if a single one of these items does not meet standard. The devices age at the same rate whether the aircraft is operating in a war time or peace time environment, and thus the requirement is calendar driven. Life support devices such as the Sea Water Activated Release System, FLU-12/P Deck Crew Life Vest Inflator and the FLU-8B/P automatic life vest inflator are essential to crew survival after ejection or being thrown overboard. The budget request provides specific funding for the procurement of Thermal Battery (CWDR), MK 122 Parachute Deployment Rocket Motor (PDRM), MK 123/124 Underseat Rocket Motors (USRM), FLU-8/9/12 Inflators, JAU-74/B initiator/CCU-146/A Cartridge, F-18 DIFRS, Naval Aircrew Common Ejection Seat (NACES), F-18E/F/G and MV-22 fire suppression gas generators, and various T-6A Joint Program Aircraft Training System (JPATS) CAD/PADs. The remaining 626 distinct safety CAD/PADs, with yearly procurements typically less than \$500K, are procured under the misc devices budget line.

Integrated Logistics Support (ILS) : Efforts will provide ILS planning, maintenance standardization, supply support, other technical ILS production efforts.

Reliability Life: Insures that the CAD/PAD will be acceptable for the assigned service life of the unit as the units are initially fielded through the Product Improvement Program (PIP) and second source efforts.

Production Engineering Support: Efforts include the development/review of procurement requests, monitoring of the production, disposition of waivers and deviations, and technical support for First Article Testing/Lot Acceptance Testing.

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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 1 : Proc Ammo, Navy / BSA 1 : Navy Ammunition		P-1 Line Item Nomenclature: 0180 - Cartridge Actuated Devices/Propellant Act Devices
ID Code (A=Service Ready, B=Not Service Ready) : A	Related Program Elements:	
<p>Quality Assurance: Provides quality assurance of the product as the lot is being accepted for service use.</p> <p>PIP: PIPs are conducted as part of a continuing effort to correct deficiencies in areas of safety, reliability, maintainability, producibility, and to increase the service life of CAD/PADs.</p> <p>Acceptance Testing: Destructive and non-destructive testing of the production lot or qualification samples to insure product acceptability for service use.</p> <p>FY10 provides funding for JAU-22B initiator cartridge, CCU-107 Impulse cartridge, CCU-45 Impulse cartridge, Thermal Battery (CWDR), MK 122 Parachute Deploy Rocket Motor, MK 123/124 Underseat Rocket Motor, FLU-8/9/12 Inflators, JAU-74 initiator/CCU-146 cartridge, F-18 DIFRS, NACES CADs, F-18E/F/G & V-22 Fire Suppression Gas Generators, other Miscellaneous CADs Under \$500k and associated support.</p> <p>FY11 provides funding for JAU-22B initiator cartridge, CCU-107 Impulse cartridge, CCU-45 Impulse cartridge, Thermal Battery (CWDR), MK 122 Parachute Deploy Rocket Motor, MK 123/124 Underseat Rocket Motor, FLU-8/9/12 Inflators, JAU-74 initiator/CCU-146 cartridge, F-18 DIFRS, NACES CADs, F-18E/F/G & V-22 Fire Suppression Gas Generators, T-6A (JPATS) CADs/PADs, other Miscellaneous CADs Under \$500k and associated support.</p> <p>FY12 provides funding for JAU-22B initiator cartridge, CCU-107 Impulse cartridge, CCU-45 Impulse cartridge, Thermal Battery (CWDR), MK 122 Parachute Deploy Rocket Motor, MK 123/124 Underseat Rocket Motor, FLU-8/9/12 Inflators, JAU-74 initiator/CCU-146 cartridge, F-18 DIFRS, NACES CADs, F-18E/F/G & V-22 Fire Suppression Gas Generators, T-6A (JPATS) CADs/PADs, other Miscellaneous CADs Under \$500k and associated support.</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 1 / BSA 1					P-1 Line Item Nomenclature: 0180 - Cartridge Actuated Devices/Propellant Act Devices										Item Nomenclature: Cartridge Actuated Devices/Propellant Act Devices					
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) Prior Years		-	-	411.741	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
1.1) Prior Years	A	-	-	411.741	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
2) Hardware		-	-	-	-	-	33.737	-	-	39.128	-	-	35.572	-	-	-	-	-	-	35.572
2.1) Stores Release		-	-	-	-	-	3.079	-	-	4.035	-	-	2.144	-	-	-	-	-	-	2.144
† 2.1.1) (Q8090) JAU-22/B Initiator CTG (MF64)	A	-	-	-	20.57	75,000	1.542	20.31	75,000	1.523	52.80	20,000	1.056	-	-	-	52.80	20,000	1.056	
† 2.1.2) (Q8200) CCU-107 Impulse CTG (MT95/JM92)	A	-	-	-	8.97	110,000	0.987	10.89	180,000	1.961	25.75	20,000	0.515	-	-	-	25.75	20,000	0.515	
† 2.1.3) (Q8201) CCU-45 Impulse CTG (MD65)	A	-	-	-	7.33	75,000	0.550	7.35	75,000	0.551	28.65	20,000	0.573	-	-	-	28.65	20,000	0.573	
2.2) Safety		-	-	-	-	-	11.999	-	-	22.699	-	-	23.544	-	-	-	-	-	-	23.544
† 2.2.1) (Q8060) Thermal Battery (CWDR)	A	-	-	-	3,818.18	198	0.756	5,035.29	170	0.856	4,469.39	147	0.657	-	-	-	4,469.39	147	0.657	
† 2.2.2) (Q2070) MK 122 Parachute Deploy RCKT (MT29) - NSWC, Indian Head	A	-	-	-	1,826.67	300	0.548	1,826.67	300	0.548	1,900.00	300	0.570	-	-	-	1,900.00	300	0.570	
† 2.2.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29) ⁽¹⁾	A	-	-	-	3,210.53	874	2.806	6,562.75	510	3.347	4,671.34	499	2.331	-	-	-	4,671.34	499	2.331	
† 2.2.4) (Q8071) MK 123 Underseat RCKT Motor (MT30) - Reworked ⁽²⁾	A	-	-	-	3,758.06	62	0.233	-	-	-	-	-	0.000	-	-	-	-	-	0.000	
† 2.2.5) (Q8071) MK 123 Underseat RCKT Motor (MT30)	A	-	-	-	10,083.33	12	0.121	12,758.62	29	0.370	12,846.15	39	0.501	-	-	-	12,846.15	39	0.501	
† 2.2.6) (Q8081) MK 124 Underseat RCKT Motor (MT31) - Reworked ⁽³⁾	A	-	-	-	3,758.62	87	0.327	-	-	-	-	-	0.000	-	-	-	-	-	0.000	
† 2.2.7) (Q8081) MK 124 Underseat RCKT Motor (MT31)	A	-	-	-	10,166.67	6	0.061	12,549.02	51	0.640	12,706.67	75	0.953	-	-	-	12,706.67	75	0.953	

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Exhibit P-5, Cost Analysis : PB 2012 Navy														Date: February 2011					
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1					P-1 Line Item Nomenclature: 0180 - Cartridge Actuated Devices/Propellant Act Devices									Item Nomenclature: Cartridge Actuated Devices/Propellant Act Devices					
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
2.2.8) (Q8140) FLU-8/9/12 Inflators (FW98/BY81JL09)	A	-	-	-	-	-	1.370	-	-	2.717	-	-	2.874	-	-	-	-	-	2.874
2.2.9) (Q8160) JAU-74 INIT/CCU-146 CTG (WB15/16)	A	-	-	-	-	-	1.324	-	-	2.692	-	-	2.616	-	-	-	-	-	2.616
2.2.10) (Q8180) F-18 DIFRS (SR95/WB19)	A	-	-	-	-	-	1.252	-	-	1.725	-	-	3.183	-	-	-	-	-	3.183
2.2.11) (Q8300) Navy Aircrew Common Ejection Seats	A	-	-	-	-	-	1.588	-	-	0.912	-	-	2.256	-	-	-	-	-	2.256
2.2.12) (Q8301) F-18E/F/G & V-22 Fire Suppression Gas	A	-	-	-	-	-	1.613	-	-	2.569	-	-	3.080	-	-	-	-	-	3.080
2.2.13) (Q8302) T-6A (JPATS) CAD/PADs	A	-	-	-	-	-	-	-	-	6.323	-	-	4.523	-	-	-	-	-	4.523
2.3) Misc. Devices		-	-	-	-	-	18.659	-	-	12.394	-	-	9.884	-	-	-	-	-	9.884
2.3.1) (Q8600) Misc. Devices Under \$500k ⁽⁴⁾	A	-	-	-	-	-	18.659	-	-	12.394	-	-	9.884	-	-	-	-	-	9.884
3) (Q8800) Intergrated Logistics Support		-	-	-	-	-	1.233	-	-	1.270	-	-	1.248	-	-	-	-	-	1.248
3.1) Stores Release	A	-	-	-	-	-	0.160	-	-	0.165	-	-	0.161	-	-	-	-	-	0.161
3.2) Safety	A	-	-	-	-	-	0.493	-	-	0.737	-	-	0.749	-	-	-	-	-	0.749
3.3) Misc. Devices	A	-	-	-	-	-	0.580	-	-	0.368	-	-	0.338	-	-	-	-	-	0.338
4) (Q8820) Reliability Life		-	-	-	-	-	0.815	-	-	0.839	-	-	0.820	-	-	-	-	-	0.820
4.1) Stores Release	A	-	-	-	-	-	0.106	-	-	0.109	-	-	0.104	-	-	-	-	-	0.104
4.2) Safety	A	-	-	-	-	-	0.326	-	-	0.487	-	-	0.495	-	-	-	-	-	0.495
4.3) Misc. Devices	A	-	-	-	-	-	0.383	-	-	0.243	-	-	0.221	-	-	-	-	-	0.221
5) (Q8830) Production Engineering		-	-	-	-	-	4.850	-	-	4.996	-	-	4.379	-	-	-	-	-	4.379
5.1) Stores Release	A	-	-	-	-	-	0.630	-	-	0.649	-	-	0.640	-	-	-	-	-	0.640
5.2) Safety	A	-	-	-	-	-	1.940	-	-	2.898	-	-	2.944	-	-	-	-	-	2.944
5.3) Misc. Devices	A	-	-	-	-	-	2.280	-	-	1.449	-	-	0.795	-	-	-	-	-	0.795
6) (Q8840) Quality Assurance		-	-	-	-	-	0.682	-	-	0.702	-	-	0.683	-	-	-	-	-	0.683
6.1) Stores Release	A	-	-	-	-	-	0.089	-	-	0.091	-	-	0.090	-	-	-	-	-	0.090

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Exhibit P-5, Cost Analysis : PB 2012 Navy												Date: February 2011							
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1						P-1 Line Item Nomenclature: 0180 - Cartridge Actuated Devices/Propellant Act Devices						Item Nomenclature: Cartridge Actuated Devices/Propellant Act Devices							

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) Safety	A	-	-	-	-	-	0.273	-	-	0.407	-	-	0.410	-	-	-	-	-	0.410
6.3) Misc. Devices	A	-	-	-	-	-	0.320	-	-	0.204	-	-	0.183	-	-	-	-	-	0.183
7) (Q8850) Product Improvement		-	-	-	-	-	2.948	-	-	3.037	-	-	2.984	-	-	-	-	-	2.984
7.1) Stores Release	A	-	-	-	-	-	0.383	-	-	0.395	-	-	0.383	-	-	-	-	-	0.383
7.2) Safety	A	-	-	-	-	-	1.179	-	-	1.761	-	-	1.795	-	-	-	-	-	1.795
7.3) Misc. Devices	A	-	-	-	-	-	1.386	-	-	0.881	-	-	0.806	-	-	-	-	-	0.806
8) (Q8860) Acceptance Testing		-	-	-	-	-	3.587	-	-	3.695	-	-	3.730	-	-	-	-	-	3.730
8.1) Stores Release	A	-	-	-	-	-	0.466	-	-	0.480	-	-	0.476	-	-	-	-	-	0.476
8.2) Safety	A	-	-	-	-	-	1.435	-	-	2.143	-	-	2.274	-	-	-	-	-	2.274
8.3) Misc. Devices	A	-	-	-	-	-	1.686	-	-	1.072	-	-	0.980	-	-	-	-	-	0.980
Gross/Weapon System Cost		-	-	411.741	-	-	47.852	-	-	53.667	-	-	49.416	-	-	-	-	-	49.416
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	411.741	-	-	47.852	-	-	53.667	-	-	49.416	-	-	-	-	-	49.416
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	411.741	-	-	47.852	-	-	53.667	-	-	49.416	-	-	-	-	-	49.416
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:
 (1) Requirement split between 2 vendors and organic industrial base. See P5A for unit cost.
 (2) Quantity of 62 units of MK 123 Underseat Rocket Motors will be procured as reworked units. The hardware in these units is refurbished and the propellant has already been procured under the MISC Devices line resulting in a lower unit cost.
 (3) Quantity of 87 units of MK 124 Underseat Rocket Motors will be procured as reworked units. The hardware in these units is refurbished and the propellant has already been procured under the MISC Devices line resulting in a lower unit cost.
 (4) Miscellaneous Devices encompasses the remaining 626 distinct devices procured under this budget item. These devices have yearly budget requirements that typically do not exceed \$500K. Totals may not add due to rounding.

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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 1 / BSA 1				P-1 Line Item Nomenclature: 0180 - Cartridge Actuated Devices/Propellant Act Devices						Item Nomenclature: Cartridge Actuated Devices/Propellant Act Devices		
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
2.1.1) (Q8090) JAU-22/B Initiator CTG (MF64)		2012	TBD / TBD	C / FP	NAVICP	Apr 2012	Apr 2013	20,000	52.80	Y		Oct 2011
2.1.1) (Q8090) JAU-22/B Initiator CTG (MF64)		2010	AMTEC CORPORATION / JANESVILLE, WI	C / FP	NAVICP	Sep 2010	Apr 2011	75,000	20.57	Y		Oct 2009
2.1.1) (Q8090) JAU-22/B Initiator CTG (MF64)		2011	AMTEC CORPORATION / JANESVILLE, WI	C / FP	NAVICP	Dec 2010	Jul 2011	75,000	20.31	Y		Oct 2010
2.1.2) (Q8200) CCU-107 Impulse CTG (MT95/JM92)		2011	TBD / TBD	C / FP	NAVICP	Mar 2011	Apr 2012	180,000	10.89	Y		Oct 2010
2.1.2) (Q8200) CCU-107 Impulse CTG (MT95/JM92)		2012	TBD / TBD	C / FP	NAVICP	Apr 2012	Apr 2013	20,000	25.75	Y		Oct 2011
2.1.2) (Q8200) CCU-107 Impulse CTG (MT95/JM92)		2010	Pyrotechnic Specialties / Byron, GA	C / FP	NAVICP	Sep 2010	Apr 2011	110,000	8.97	Y		Oct 2009
2.1.3) (Q8201) CCU-45 Impulse CTG (MD65)		2012	TBD / TBD	C / FP	NAVICP	Apr 2012	Apr 2013	20,000	28.65	Y		Oct 2011
2.1.3) (Q8201) CCU-45 Impulse CTG (MD65)		2010	Technical Ordnance 1, Inc / Clear Lake, SD	C / FP	NAVICP	Sep 2010	Apr 2011	75,000	7.33	Y		Oct 2009
2.1.3) (Q8201) CCU-45 Impulse CTG (MD65)		2011	Technical Ordnance 2, Inc / Clear Lake, SD	C / FP	NAVICP	Dec 2010	May 2011	75,000	7.35	Y		Oct 2010
2.2.1) (Q8060) Thermal Battery (CWDR)		2010	MARTIN-BAKER A/ CRT C / MIDDLESEX GB	C / FP	NAVAIR	Mar 2010	Apr 2011	198	3,818.18	Y		Oct 2009
2.2.1) (Q8060) Thermal Battery (CWDR)		2011	TBD / TBD	C / FP	NAVAIR	Apr 2011	Apr 2012	170	5,035.29	Y		Oct 2010
2.2.1) (Q8060) Thermal Battery (CWDR)		2012	TBD / TBD	C / FP	NAVAIR	Apr 2012	Apr 2013	147	4,469.39	Y		Oct 2011
2.2.2) (Q2070) MK 122 Parachute Deploy RCKT (MT29) - NSWC, Indian Head ⁽¹⁾		2010	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Sep 2010	Oct 2010	300	1,826.67	Y		
2.2.2) (Q2070) MK 122 Parachute Deploy RCKT (MT29) - NSWC, Indian Head ⁽²⁾		2011	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Oct 2010	Oct 2011	300	1,826.67	Y		
2.2.2) (Q2070) MK 122 Parachute Deploy RCKT (MT29) - NSWC, Indian Head ⁽³⁾		2012	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Oct 2011	Oct 2012	300	1,900.00	Y		
2.2.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29)		2011	TBD / TBD	C / FP	NAVICP	Mar 2011	Apr 2012	510	6,562.75	Y		Oct 2010
2.2.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29)		2012	TBD / TBD	C / FP	NAVICP	Apr 2012	Apr 2013	499	4,671.34	Y		Oct 2011
2.2.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29)		2010	MARTIN-BAKER A/CRT C / MIDDLESEX, GB	C / FP	NAVICP	Sep 2010	Apr 2011	874	3,210.53	Y		Oct 2009
2.2.4) (Q8071) MK 123 Underseat RCKT Motor (MT30) - Reworked ⁽⁴⁾		2010	MARTIN-BAKER A/ CFT / MIDDLESEX, GB	C / FP	NAVICP	Sep 2010	Apr 2011	62	3,758.06	Y		Oct 2009

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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 1 / BSA 1	P-1 Line Item Nomenclature: 0180 - Cartridge Actuated Devices/Propellant Act Devices	Item Nomenclature: Cartridge Actuated Devices/Propellant Act Devices
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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
2.2.5) (Q8071) MK 123 Underseat RCKT Motor (MT30)		2011	TBD / TBD	C / FP	NAVICP	Mar 2011	Apr 2012	29	12,758.62	Y		Oct 2010
2.2.5) (Q8071) MK 123 Underseat RCKT Motor (MT30)		2012	TBD / TBD	C / FP	NAVICP	Apr 2012	Apr 2013	39	12,846.15	Y		Oct 2011
2.2.5) (Q8071) MK 123 Underseat RCKT Motor (MT30)		2010	MARTIN-BAKER A/CFT C / MIDDLESEX, GB	C / FP	NAVICP	Sep 2010	Apr 2011	12	10,083.33	Y		Oct 2009
2.2.6) (Q8081) MK 124 Underseat RCKT Motor (MT31) - Reworked ⁽⁵⁾		2010	MARTIN-BAKER A/CFT C / MIDDLESEX, GB	C / FP	NAVICP	Sep 2010	Apr 2011	87	3,758.62	Y		Oct 2009
2.2.7) (Q8081) MK 124 Underseat RCKT Motor (MT31)		2011	TBD / TBD	C / FP	NAVICP	Mar 2011	Apr 2012	51	12,549.02	Y		Oct 2010
2.2.7) (Q8081) MK 124 Underseat RCKT Motor (MT31)		2012	TBD / TBD	C / FP	NAVICP	Apr 2012	Apr 2013	75	12,706.67	Y		Oct 2011
2.2.7) (Q8081) MK 124 Underseat RCKT Motor (MT31)		2010	MARTIN-BAKER A/ CFT / MIDDLESEX, GB	C / FP	NAVICP	Sep 2010	Apr 2011	6	10,166.67	Y		Oct 2009

Remarks:

Q2070, Q8071 Q8081 Items that were previously combined are now broken out separately to identify contract methods and unit costs.

⁽¹⁾300 units of MK 122 Parachute Deployment Rocket Motors will be produced by the organic manufacturing facility located at the NSWC Indian Head, MD. Actual contract method/type is PX; current XML does not permit indicating this. The difference in the unit price between the commercial and organic facility is that the propellant and hardware for the organic effort will have already been procured under MISC Devices line.

⁽²⁾300 units of MK 122 Parachute Deployment Rocket Motors will be produced by the organic manufacturing facility located at the NSWC Indian Head, MD. Actual contract method/type is PX; current XML does not permit indicating this. The difference in the unit price between the commercial and organic facility is that the propellant and hardware for the organic effort will have already been procured under MISC Devices line.

⁽³⁾300 units of MK 122 Parachute Deployment Rocket Motors will be produced by the organic manufacturing facility located at the NSWC Indian Head, MD. Actual contract method/type is PX; current XML does not permit indicating this. The difference in the unit price between the commercial and organic facility is that the propellant and hardware for the organic effort will have already been procured under MISC Devices line.

⁽⁴⁾Quantity of 62 units of MK 123 Underseat Rocket Motors will be procured as reworked units. The hardware in these units is refurbished and the propellant has already been procured under the MISC Devices line resulting in a lower unit cost.

⁽⁵⁾Quantity of 87 units of MK 124 Underseat Rocket Motors will be procured as reworked units. The hardware in these units is refurbished and the propellant has already been procured under the MISC Devices line resulting in a lower unit cost.

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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 1 : Proc Ammo, Navy / BSA 1 : Navy Ammunition	P-1 Line Item Nomenclature: 0182 - Air Expendable Countermeasures
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ID Code (A=Service Ready, B=Not Service Ready) : B **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)	665.649	84.413	93.258	60.677	20.000	80.677	62.785	64.482	65.778	66.828	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	665.649	84.413	93.258	60.677	20.000	80.677	62.785	64.482	65.778	66.828	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	665.649	84.413	93.258	60.677	20.000	80.677	62.785	64.482	65.778	66.828	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

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

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

Active Jammers: The Advanced Airborne Expendable Decoy (AAED), part of the ALE-50 program, is being replaced by the ALE-55 Fiber Optic Towed Decoy (FOTD). The FOTD, when integrated with the rest of the F/A-18E/F EW suite (i.e., ALQ-214, ALR-67(V)3, ALE-47 and ALE-50), the associated cockpit controls, displays and other avionics significantly improves the survivability of the host aircraft in a Radio Frequency (RF) threat environment. The FOTD is part of the Integrated Defensive Electronic Countermeasure (IDECM) Radio Frequency Countermeasure (RFCM) Block 3 (IB-3) program. IOT&E found IB-3 effective, not suitable. Verification of Correction to Deficiencies (VCD) identified during IOT&E is required. VCD activities are underway and are planned to conclude in 2Q FY 2011. AAED and FOTD were developed utilizing RDT&E, N PE 0604270N, Project Unit 2175. The GEN-X active RF decoy is dispensed from the ALE-47 system and protects all Navy and Marine Corps fixed wing aircraft from modern surface-to-air and air-to-air threats.

IR Decoys: The MJU-49 is currently used by all aircraft except the KC130J/T. The SM875 is a dedicated, low cost-training device. The MJU57 provides a kinematic Infra-Red Countermeasure. Procurement of advanced spectral countermeasures (M216/MJU-66) will begin in FY 2011 in support of KC-130J/T and UC-35D. If successful, M216 technology will be transitioned to MJU-67. Procurement of MJU-32/38 will continue in support of OIF/OEF and is used by all DoN aircraft.

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

Configuration Items*: An Above Threshold Reprogramming (serial number FY10-18IR) was approved 30 August 2010. These funds will be used for procurement of Configuration Item -3 (CI-3). Will start procurement on all other Configuration Items (CI-5, CI-6, CI-10, CI-12) in FY 2011.

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

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

OCO	FY 2010	FY 2011	FY 2012
MJU-32	1,638	4,462	2,525
MJU-38	3,587	2,778	1,874
MJU-49	0	19,534	9,328

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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 1 : Proc Ammo, Navy / BSA 1 : Navy Ammunition	P-1 Line Item Nomenclature: 0182 - Air Expendable Countermeasures
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ID Code (A=Service Ready, B=Not Service Ready) : B	Related Program Elements:
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MJU-57	0	5,608	2,493
CCU-136	276	1,250	3,780
TOTAL	5,501	33,632	20,000

* Configuration Items are classified.

Remarks:

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1					P-1 Line Item Nomenclature: 0182 - Air Expendable Countermeasures										Item Nomenclature: Air Expendable Countermeasures				
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) ACTIVE JAMMERS		-	-	88.379	-	-	20.666	-	-	17.189	-	-	18.329	-	-	-	-	-	18.329
1.1) ALE-50 (AAED)	A	-	-	54.095	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 1.2) ALE-55 (FOTD)	B	-	-	34.284	61,874.00	334	20.666	53,715.00	320	17.189	53,437.32	343	18.329	-	-	-	53,437.32	343	18.329
2) IR DECOYS		-	-	286.303	-	-	25.605	-	-	54.772	-	-	27.269	-	-	16.220	-	-	43.489
† 2.1) MJU-32 DECOY DEVICE	A	-	-	28.994	48.18	60,833	2.931	48.95	156,466	7.659	49.78	81,320	4.048	49.78	50,723	2.525	49.78	132,043	6.573
† 2.2) MJU-38 DECOY DEVICE	A	-	-	23.171	41.70	98,919	4.125	42.37	121,147	5.133	43.09	43,792	1.887	43.09	43,490	1.874	43.09	87,282	3.761
† 2.3) MJU-49/B DECOY DEVICE	A	-	-	161.407	94.62	107,059	10.130	101.60	235,215	23.898	103.33	54,294	5.610	103.33	90,274	9.328	103.33	144,568	14.938
† 2.4) MJU-55 COMPANION	A	-	-	20.105	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 2.5) MJU-57 KINEMATIC	A	-	-	35.163	176.88	37,421	6.619	179.71	66,340	11.922	182.77	42,284	7.728	182.77	13,640	2.493	182.77	55,924	10.221
† 2.6) MJU-61	A	-	-	-	-	-	-	-	-	-	21.00	19,048	0.400	-	-	-	21.00	19,048	0.400
† 2.7) M216 KJ/MJU-66	A	-	-	-	-	-	-	195.02	8,025	1.565	198.33	12,575	2.494	-	-	-	198.33	12,575	2.494
† 2.8) MJU-67	A	-	-	-	-	-	-	204.00	10,000	2.040	207.47	12,532	2.600	-	-	-	207.47	12,532	2.600
† 2.9) SM875B (TRAINING FLARE)	A	-	-	17.463	25.71	70,000	1.800	26.12	97,818	2.555	26.56	94,188	2.502	-	-	-	26.56	94,188	2.502
3) IMPULSE CARTRIDGES		-	-	29.898	-	-	1.305	-	-	4.339	-	-	3.235	-	-	3.780	-	-	7.015
† 3.1) CCU-136A/A HERO SAFE	A	-	-	28.238	3.92	332,959	1.305	3.98	756,281	3.010	4.05	498,065	2.017	4.05	933,333	3.780	4.05	1,431K	5.797
† 3.2) CCU-145A	A	-	-	1.660	-	-	-	6.00	221,500	1.329	6.10	199,607	1.218	-	-	-	6.10	199,607	1.218
4) CHAFF COUNTERMEASURES		-	-	10.288	-	-	1.141	-	-	1.382	-	-	1.282	-	-	-	-	-	1.282
† 4.1) RR-144A (TRAINING CHAFF)	A	-	-	9.892	12.76	84,615	1.080	12.96	84,954	1.101	13.18	88,769	1.170	-	-	-	13.18	88,769	1.170
† 4.2) RR-170A (CHAFF 1X1)	A	-	-	0.336	-	-	-	2.88	76,042	0.219	2.93	38,239	0.112	-	-	-	2.93	38,239	0.112
† 4.3) RR-188 (CHAFF)	A	-	-	0.060	2.86	21,328	0.061	2.91	21,306	0.062	-	-	0.000	-	-	-	-	-	0.000
5) CONFIGURATION ITEMS		-	-	-	-	-	13.500	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 5.1) CI-3	A	-	-	-	67,500.00	200	13.500	-	-	-	-	-	0.000	-	-	-	-	-	0.000
5.2) CI-5	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
5.3) CI-6	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 1 / BSA 1 **P-1 Line Item Nomenclature:** 0182 - Air Expendable Countermeasures **Item Nomenclature:** Air Expendable Countermeasures

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
5.4) CI-10	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
5.5) CI-12	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
6) INTEGRATED LOGISTICS SUPPORT		-	-	12.063	-	-	1.464	-	-	0.985	-	-	0.941	-	-	-	-	-	0.941
6.1) ACTIVE JAMMERS	A	-	-	1.369	-	-	0.189	-	-	0.190	-	-	0.196	-	-	-	-	-	0.196
6.2) IR DECOYS	A	-	-	8.992	-	-	0.945	-	-	0.657	-	-	0.613	-	-	-	-	-	0.613
6.3) IMPULSE CARTRIDGES	A	-	-	1.110	-	-	0.150	-	-	0.089	-	-	0.085	-	-	-	-	-	0.085
6.4) CHAFF COUNTERMEASURES	A	-	-	0.592	-	-	0.080	-	-	0.049	-	-	0.047	-	-	-	-	-	0.047
6.5) CONFIGURATION ITEMS	A	-	-	-	-	-	0.100	-	-	-	-	-	0.000	-	-	-	-	-	0.000
7) PRODUCTION ENGINEERING SUPPORT		-	-	67.505	-	-	8.289	-	-	3.757	-	-	3.806	-	-	-	-	-	3.806
7.1) ACTIVE JAMMERS	A	-	-	20.718	-	-	3.069	-	-	1.662	-	-	1.723	-	-	-	-	-	1.723
7.2) IR DECOYS	A	-	-	41.188	-	-	3.532	-	-	1.832	-	-	1.817	-	-	-	-	-	1.817
7.3) IMPULSE CARTRIDGES	A	-	-	3.839	-	-	0.330	-	-	0.188	-	-	0.190	-	-	-	-	-	0.190
7.4) CHAFF COUNTERMEASURES	A	-	-	1.760	-	-	0.150	-	-	0.075	-	-	0.076	-	-	-	-	-	0.076
7.5) CONFIGURATION ITEMS	A	-	-	-	-	-	1.208	-	-	-	-	-	0.000	-	-	-	-	-	0.000
8) PRODUCT IMPROVEMENT PROGRAM		-	-	75.895	-	-	7.839	-	-	5.721	-	-	2.431	-	-	-	-	-	2.431
8.1) ACTIVE JAMMERS	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
8.2) IR DECOYS	A	-	-	65.832	-	-	6.833	-	-	5.263	-	-	2.118	-	-	-	-	-	2.118
8.3) IMPULSE CARTRIDGES	A	-	-	9.763	-	-	0.976	-	-	0.435	-	-	0.297	-	-	-	-	-	0.297
8.4) CHAFF COUNTERMEASURES	A	-	-	0.300	-	-	0.030	-	-	0.023	-	-	0.016	-	-	-	-	-	0.016
8.5) CONFIGURATION ITEMS	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
9) ACCEPTANCE TEST & EVALUATION		-	-	95.318	-	-	4.604	-	-	5.113	-	-	3.384	-	-	-	-	-	3.384
9.1) ACTIVE JAMMERS	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
9.2) IR DECOYS	A	-	-	77.083	-	-	3.847	-	-	4.141	-	-	2.412	-	-	-	-	-	2.412

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1 **P-1 Line Item Nomenclature:** 0182 - Air Expendable Countermeasures **Item Nomenclature:** Air Expendable Countermeasures

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
9.3) IMPULSE CARTRIDGES	A	-	-	13.851	-	-	0.575	-	-	0.767	-	-	0.767	-	-	-	-	-	0.767
9.4) CHAFF COUNTERMEASURES	A	-	-	4.384	-	-	0.182	-	-	0.205	-	-	0.205	-	-	-	-	-	0.205
9.5) CONFIGURATION ITEMS	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Gross/Weapon System Cost		-	-	665.649	-	-	84.413	-	-	93.258	-	-	60.677	-	-	20.000	-	-	80.677
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	665.649	-	-	84.413	-	-	93.258	-	-	60.677	-	-	20.000	-	-	80.677
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	665.649	-	-	84.413	-	-	93.258	-	-	60.677	-	-	20.000	-	-	80.677
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 1 / BSA 1				P-1 Line Item Nomenclature: 0182 - Air Expendable Countermeasures					Item Nomenclature: Air Expendable Countermeasures			
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
1.2) ALE-55 (FOTD)		2008	BAE SYSTEMS / NASHUA, NH	SS / FP	NAVAIR	Jun 2008	Dec 2009	150	88,686.00	Y		Jan 2008
1.2) ALE-55 (FOTD)		2009	BAE SYSTEMS / NASHUA, NH	SS / FP	NAVAIR	Apr 2009	Aug 2010	251	55,960.16	Y		Jan 2008
1.2) ALE-55 (FOTD)		2010	BAE SYSTEMS / NASHUA, NH	SS / FP	NAVAIR	Jun 2010	Jul 2011	334	61,874.00	Y		Sep 2009
1.2) ALE-55 (FOTD)		2011	BAE SYSTEMS / NASHUA, NH	SS / FP	NAVAIR	Mar 2011	May 2012	320	53,715.00	Y		Sep 2010
1.2) ALE-55 (FOTD)		2012	BAE SYSTEMS / NASHUA, NH	SS / FP	NAVAIR	Mar 2012	May 2013	343	53,437.32	Y		Jun 2011
2.1) MJU-32 DECOY DEVICE		2009	KILGORE FLARES / TOONE, TN	C / FP	NAVICP	Apr 2009	Feb 2010	182,310	47.09	Y		Oct 2008
2.1) MJU-32 DECOY DEVICE	Y	2009	KILGORE FLARES / TOONE, TN	C / FP	NAVICP	Jan 2010	May 2011	24,906	48.18	Y		Oct 2009
2.1) MJU-32 DECOY DEVICE		2010	KILGORE FLARES / TOONE, TN	C / FP	NAVICP	Jan 2010	Jun 2011	26,836	48.18	Y		Oct 2009
2.1) MJU-32 DECOY DEVICE	Y	2010	KILGORE FLARES / TOONE, TN	C / FP	NAVICP	Jan 2010	Jul 2011	33,997	48.18	Y		Oct 2009
2.1) MJU-32 DECOY DEVICE		2011	KILGORE FLARES / TOONE, TN	C / FP	NAVICP	Jan 2011	Jun 2011	65,312	48.95	Y		Oct 2010
2.1) MJU-32 DECOY DEVICE	Y	2011	KILGORE FLARES / TOONE, TN	C / FP	NAVICP	Mar 2011	Aug 2011	91,154	48.95	Y		Oct 2010
2.1) MJU-32 DECOY DEVICE		2012	KILGORE FLARES / TOONE, TN	C / FP	NAVICP	Jan 2012	Jun 2012	81,320	49.78	Y		Oct 2011
2.1) MJU-32 DECOY DEVICE	Y	2012	KILGORE FLARES / TOONE, TN	C / FP	NAVICP	Jan 2012	Jun 2012	50,723	49.78	Y		Oct 2011
2.1) MJU-32 DECOY DEVICE		2008	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	MIPR	CRANE, IN	Mar 2009	Apr 2009	70,497	36.20	Y		Oct 2008
2.2) MJU-38 DECOY DEVICE		2009	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FP	NAVICP	Apr 2009	Nov 2009	153,541	41.70	Y		Oct 2008
2.2) MJU-38 DECOY DEVICE		2010	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FP	NAVICP	Jan 2010	Dec 2010	12,901	41.70	Y		Oct 2009
2.2) MJU-38 DECOY DEVICE	Y	2010	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FP	NAVICP	Jan 2010	Jan 2011	86,018	41.70	Y		Oct 2009
2.2) MJU-38 DECOY DEVICE		2011	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FP	NAVICP	Mar 2011	Aug 2011	55,582	42.37	Y		Oct 2010
2.2) MJU-38 DECOY DEVICE	Y	2011	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FP	NAVICP	Mar 2011	Aug 2011	65,565	42.37	Y		Oct 2010
2.2) MJU-38 DECOY DEVICE		2012	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FP	NAVICP	Jan 2012	Jun 2012	43,792	43.09	Y		Oct 2011
2.2) MJU-38 DECOY DEVICE	Y	2012	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FP	NAVICP	Jan 2012	Jun 2012	43,490	43.09	Y		Oct 2011
2.3) MJU-49/B DECOY DEVICE	Y	2009	ALLOY SURFACES, INC. / ASTON, PA	SS / FP	NAVICP	Sep 2009	Mar 2010	158,940	91.89	Y		May 2008
2.3) MJU-49/B DECOY DEVICE		2010	ALLOY SURFACES, INC. / ASTON, PA	SS / FP	NAVICP	Jul 2010	Dec 2010	107,059	94.62	Y		Dec 2009
2.3) MJU-49/B DECOY DEVICE		2011	ALLOY SURFACES, INC. / ASTON, PA	SS / FP	NAVICP	Feb 2011	Jul 2011	42,951	101.60	Y		Oct 2010
2.3) MJU-49/B DECOY DEVICE	Y	2011	ALLOY SURFACES, INC. / ASTON, PA	SS / FP	NAVICP	Mar 2011	Aug 2011	192,264	101.60	Y		Oct 2010

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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 1 / BSA 1				P-1 Line Item Nomenclature: 0182 - Air Expendable Countermeasures					Item Nomenclature: Air Expendable Countermeasures			
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) MJU-49/B DECOY DEVICE		2012	ALLOY SURFACES, INC. / ASTON, PA	SS / FP	NAVICP	Dec 2011	May 2012	54,294	103.33	Y		Oct 2011
2.3) MJU-49/B DECOY DEVICE	Y	2012	ALLOY SURFACES, INC. / ASTON, PA	SS / FP	NAVICP	Dec 2011	May 2012	90,274	103.33	Y		Oct 2011
2.4) MJU-55 COMPANION		2008	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	MIPR	CRANE, IN	Mar 2008	Jul 2010	36,450	121.63	Y		Dec 2007
2.5) MJU-57 KINEMATIC ⁽¹⁾		2011	TBD / TBD	C / FP	NAVICP	Mar 2011	Sep 2011	35,134	179.71	Y		Dec 2010
2.5) MJU-57 KINEMATIC		2012	TBD / TBD	C / FP	NAVICP	Jan 2012	Jul 2012	42,284	182.77	Y		Dec 2011
2.5) MJU-57 KINEMATIC	Y	2012	TBD / TBD	C / FP	NAVICP	Jan 2012	Jul 2012	13,640	182.77	Y		Dec 2011
2.5) MJU-57 KINEMATIC		2006	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	MIPR	CRANE, IN	Feb 2006	Apr 2010	11,520	583.67	Y		Jan 2006
2.5) MJU-57 KINEMATIC		2008	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	MIPR	CRANE, IN	Apr 2008	Apr 2010	40,000	197.08	Y		Jan 2008
2.5) MJU-57 KINEMATIC		2010	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	MIPR	CRANE, IN	Feb 2010	Nov 2010	37,421	176.88	Y		Dec 2009
2.5) MJU-57 KINEMATIC	Y	2011	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	MIPR	CRANE, IN	Jan 2011	Jul 2011	31,206	179.71	Y		Dec 2010
2.6) MJU-61		2012	TBD / TBD	C / FP	NAVICP	Mar 2012	Nov 2012	19,048	21.00	Y		Jan 2012
2.7) M216 KJ/MJU-66		2011	ALLOY SURFACES, INC. / ASTON, PA	C / FP	NAVICP	Mar 2011	Nov 2011	8,025	195.02	Y		Jan 2011
2.7) M216 KJ/MJU-66		2012	ALLOY SURFACES, INC. / ASTON, PA	C / FP	NAVICP	Mar 2012	Nov 2012	12,575	198.33	Y		Jan 2012
2.8) MJU-67		2011	TBD / TBD	C / FP	NAVICP	Mar 2011	Aug 2011	10,000	204.00	N	Feb 2011	Jan 2011
2.8) MJU-67		2012	TBD / TBD	C / FP	NAVICP	Mar 2012	Aug 2012	12,532	207.47	N	Feb 2011	Jan 2012
2.9) SM875B (TRAINING FLARE)		2012	TBD / TBD	C / FP	NAVICP	May 2012	Nov 2012	94,188	26.56	Y		Jan 2012
2.9) SM875B (TRAINING FLARE)		2009	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FP	NAVICP	Feb 2009	Mar 2010	204,000	14.45	Y		Jan 2009
2.9) SM875B (TRAINING FLARE)		2010	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FP	NAVICP	Aug 2010	Sep 2011	70,000	25.71	Y		Jan 2010
2.9) SM875B (TRAINING FLARE)		2011	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FP	NAVICP	May 2011	Nov 2011	97,818	26.12	Y		Nov 2010
3.1) CCU-136A/A HERO SAFE		2007	CAPCO, INC / GRAND JUNCTION, CO	C / FP	NAVICP	May 2009	Mar 2010	545,983	3.76	Y		Dec 2006
3.1) CCU-136A/A HERO SAFE		2009	CAPCO, INC / GRAND JUNCTION, CO	C / FP	NAVICP	May 2009	Mar 2010	54,017	3.76	Y		Dec 2008
3.1) CCU-136A/A HERO SAFE	Y	2009	CAPCO, INC / GRAND JUNCTION, CO	C / FP	NAVICP	Aug 2009	Dec 2010	99,246	3.76	Y		Jul 2009

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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 1 / BSA 1	P-1 Line Item Nomenclature: 0182 - Air Expendable Countermeasures	Item Nomenclature: Air Expendable Countermeasures
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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
3.1) CCU-136A/A HERO SAFE		2010	CAPCO, INC / GRAND JUNCTION, CO	C / FP	NAVICP	Mar 2010	Apr 2011	262,552	3.92	Y		Dec 2009
3.1) CCU-136A/A HERO SAFE	Y	2010	CAPCO, INC / GRAND JUNCTION, CO	C / FP	NAVICP	Mar 2010	Aug 2011	70,407	3.92	Y		Dec 2009
3.1) CCU-136A/A HERO SAFE		2011	TBD / TBD	C / FP	NAVICP	May 2011	Aug 2011	442,211	3.98	Y		Dec 2010
3.1) CCU-136A/A HERO SAFE	Y	2011	TBD / TBD	C / FP	NAVICP	May 2011	Sep 2011	314,070	3.98	Y		Dec 2010
3.1) CCU-136A/A HERO SAFE		2012	TBD / TBD	C / FP	NAVICP	May 2012	Sep 2012	498,065	4.05	Y		Dec 2011
3.1) CCU-136A/A HERO SAFE	Y	2012	TBD / TBD	C / FP	NAVICP	May 2012	Sep 2012	933,333	4.05	Y		Dec 2011
3.2) CCU-145A		2011	TBD / TBD	C / FP	NAVICP	May 2011	Oct 2011	221,500	6.00	Y		Jan 2011
3.2) CCU-145A		2012	TBD / TBD	C / FP	NAVICP	May 2012	Oct 2012	199,607	6.10	Y		Jan 2012
3.2) CCU-145A		2009	CAPCO, INC / GRAND JUNCTION, CO	C / FP	NAVICP	Oct 2009	Nov 2009	166,000	10.00	Y		Jan 2009
4.1) RR-144A (TRAINING CHAFF)		2010	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FP	NAVICP	Feb 2010	Jun 2010	84,615	12.76	Y		Jan 2010
4.1) RR-144A (TRAINING CHAFF)		2011	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FP	NAVICP	Apr 2011	Dec 2011	84,954	12.96	Y		Jan 2011
4.1) RR-144A (TRAINING CHAFF)		2012	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FP	NAVICP	Apr 2012	Dec 2012	88,769	13.18	Y		Jan 2012
4.2) RR-170A (CHAFF 1X1)		2011	TBD / TBD	C / FP	NAVICP	May 2011	Mar 2012	76,042	2.88	Y		Oct 2010
4.2) RR-170A (CHAFF 1X1)		2012	TBD / TBD	C / FP	NAVICP	May 2012	Mar 2013	38,239	2.93	Y		Nov 2011
4.3) RR-188 (CHAFF)		2010	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FP	NAVICP	Mar 2010	Apr 2010	21,328	2.86	Y		Jan 2010
4.3) RR-188 (CHAFF)		2011	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / FP	NAVICP	Apr 2011	Dec 2011	21,306	2.91	Y		Jan 2011
5.1) CI-3		2010	BAE SYSTEMS / NASHUA, NH	SS / FP	NAVICP	Jun 2011	Dec 2011	200	67,500.00	Y		Mar 2011

Remarks:
⁽¹⁾FY-11 MJU-57 procurement: Crane Army Ammunition Activity (CAAA) has experience in manufacturing the MJU-57, therefore OCO funding will be issued to them in order to expedite obligation of the funding and to expedite critical deliveries to the Fleet. Baseline funding is planned to award an MJU-57 contract for the first time to private industry, which will entail a longer timeline for educating industry, releasing the RFP, and awarding the contract.

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1 **P-1 Line Item Nomenclature:** 0182 - Air Expendable Countermeasures **Item Nomenclature:** Air Expendable Countermeasures

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					
1.2) ALE-55 (FOTD)																																			
	26	2008	Navy	.15	-	.15	-	-	.009	.012	.015	.006	.011	.01	.02	.017	.012	.022	.016	-	-	-	-	-	-	-	-	-	-	-					
	26	2009	Navy	.251	-	.251	-	-	-	-	-	-	-	-	-	-	.013	.024	.027	.031	.031	.03	.031	.032	.032	-	-	-	-	-					
	26	2010	Navy	.334	-	.334	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	.028	.028	.028	.25						
	26	2011	Navy	.32	-	.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.32						
	26	2012	Navy	.343	-	.343	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.343						
2.1) MJU-32 DECOY DEVICE																																			
	27	2009	Navy	182.3	-	182.3	-	-	-	-	9	9	15	15	15	15	15	15	15	15	15	8	7.31	7	7	-	-	-	-	-					
x	27	2009	Navy	24.91	-	24.91	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	13.91	-	-	-						
	27	2011	Navy	65.31	-	65.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	3	10	10	10	32.31					
x	27	2011	Navy	91.15	-	91.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	10	78.15						
	27	2012	Navy	81.32	-	81.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81.32						
x	27	2012	Navy	50.72	-	50.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50.72						
2.2) MJU-38 DECOY DEVICE																																			
	28	2009	Navy	153.5	-	153.5	-	9	15	15	15	15	15	10	10	10	10	10	10	9.541	-	-	-	-	-	-	-	-	-	-					
	28	2011	Navy	55.58	-	55.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10	35.58						
x	28	2011	Navy	65.57	-	65.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10	45.57							
2.3) MJU-49/B DECOY DEVICE																																			
x	29	2009	Navy	158.9	-	158.9	-	-	-	-	-	8	17	17	17	17	17	17	17	17	8	6.94	-	-	-	-	-	-	-	-					
	29	2010	Navy	107.1	-	107.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	13	20	20	20	18	4.059	-	-	-					
	29	2011	Navy	42.95	-	42.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3.2	3	35.75						
x	29	2011	Navy	192.3	-	192.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	12.8	178.5						
	29	2012	Navy	54.29	-	54.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54.29						
x	29	2012	Navy	90.27	-	90.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90.27						
2.5) MJU-57 KINEMATIC																																			
	30	2012	Navy	42.28	-	42.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.28						
x	30	2012	Navy	13.64	-	13.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.64						
	31	2006	Navy	11.52	-	11.52	-	-	-	-	-	2	-	3	3	3	.52	-	-	-	-	-	-	-	-	-	-	-	-						
	31	2008	Navy	40	-	40	-	-	-	-	-	3	4	3	7	7	7	7	7	2	-	-	-	-	-	-	-	-	-						
	31	2010	Navy	37.42	-	37.42	-	-	-	-	A -	-	-	-	-	-	-	-	-	2.421	5	5	5	5	5	5	5	-							
3.1) CCU-136/A HERO SAFE																																			

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1	P-1 Line Item Nomenclature: 0182 - Air Expendable Countermeasures	Item Nomenclature: Air Expendable Countermeasures
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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					
	32	2012	Navy	498.1	-	498.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	498.1		
x	32	2012	Navy	933.3	-	933.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	933.3			
5.1) CI-3																																			
	33	2010	Navy	.2	-	.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.2			
							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 1 / BSA 1										P-1 Line Item Nomenclature: 0182 - Air Expendable Countermeasures										Item Nomenclature: Air Expendable Countermeasures																
COST ELEMENTS Units in Thousands						Fiscal Year 2012													Fiscal Year 2013																	
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP 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					
1.2) ALE-55 (FOTD)																																				
	26	2008	Navy	.15	.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	26	2009	Navy	.251	.251	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	26	2010	Navy	.334	.084	.25	.029	.029	.029	.028	.027	.027	.027	.027	.027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	26	2011	Navy	.32	-	.32	-	-	-	-	-	-	.025	.025	.026	.026	.027	.027	.027	.028	.028	.027	.027	.027	-	-	-	-	-	-	-	-	-	-	-	
	26	2012	Navy	.343	-	.343	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.027	.028	.028	.028	.028	.028	.204	-	-	
2.1) MJU-32 DECOY DEVICE																																				
	27	2009	Navy	182.3	182.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	27	2009	Navy	24.91	24.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	27	2011	Navy	65.31	33	32.31	10	10	5	2	1.312	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	27	2011	Navy	91.15	13	78.15	10	10	10	10	10	5	6.154	6	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	27	2012	Navy	81.32	-	81.32	-	-	-	A -	-	-	-	-	-	12	12	12	12	12	12	9.32	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	27	2012	Navy	50.72	-	50.72	-	-	-	A -	-	-	-	-	-	8	8	8	8	8	8	2.723	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.2) MJU-38 DECOY DEVICE																																				
	28	2009	Navy	153.5	153.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	28	2011	Navy	55.58	20	35.58	10	10	10	5.582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	28	2011	Navy	65.57	20	45.57	10	10	10	14.57	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.3) MJU-49/B DECOY DEVICE																																				
x	29	2009	Navy	158.9	158.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	29	2010	Navy	107.1	107.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	29	2011	Navy	42.95	7.2	35.75	3	3	4	4	4	4	4	4	2.751	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	29	2011	Navy	192.3	13.8	178.5	17	17	17	16	16	16	16	16	16	17.25	8.215	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	29	2012	Navy	54.29	-	54.29	-	-	A -	-	-	-	-	-	5	5	9	9	9	9	8.294	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
x	29	2012	Navy	90.27	-	90.27	-	-	A -	-	-	-	-	-	5	8	9	9	9	9	9.706	18	13.57	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5) MJU-57 KINEMATIC																																				
	30	2012	Navy	42.28	-	42.28	-	-	-	A -	-	-	-	-	-	6	6	6	6	6	6	6.284	-	-	-	-	-	-	-	-	-	-	-	-	-	-
x	30	2012	Navy	13.64	-	13.64	-	-	-	A -	-	-	-	-	-	2	2	2	2	2	2	1.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	31	2006	Navy	11.52	11.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	31	2008	Navy	40	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	31	2010	Navy	37.42	37.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1) CCU-136/A HERO SAFE																																				

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1 **P-1 Line Item Nomenclature:** 0182 - Air Expendable Countermeasures **Item Nomenclature:** Air Expendable Countermeasures

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							
	32	2012	Navy	498.1	-	498.1	-	-	-	-	-	-	-	-	A	-	-	-	-	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	40.47	-	-
x	32	2012	Navy	933.3	-	933.3	-	-	-	-	-	-	-	-	A	-	-	-	-	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	75.33	-	-
5.1) CI-3																																					
	33	2010	Navy	.2	-	.2	-	-	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
							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 1 / BSA 1	P-1 Line Item Nomenclature: 0182 - Air Expendable Countermeasures	Item Nomenclature: Air Expendable Countermeasures
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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																
							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						
1.2) ALE-55 (FOTD)																																				
	26	2008	Navy	.15	.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	26	2009	Navy	.251	.251	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	26	2010	Navy	.334	.334	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	26	2011	Navy	.32	.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	26	2012	Navy	.343	.139	.204	.029	.029	.03	.03	.029	.029	.028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.1) MJU-32 DECOY DEVICE																																				
	27	2009	Navy	182.3	182.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	27	2009	Navy	24.91	24.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	27	2011	Navy	65.31	65.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	27	2011	Navy	91.15	91.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	27	2012	Navy	81.32	81.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
x	27	2012	Navy	50.72	50.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.2) MJU-38 DECOY DEVICE																																				
	28	2009	Navy	153.5	153.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	28	2011	Navy	55.58	55.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
x	28	2011	Navy	65.57	65.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) MJU-49/B DECOY DEVICE																																				
x	29	2009	Navy	158.9	158.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	29	2010	Navy	107.1	107.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	29	2011	Navy	42.95	42.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
x	29	2011	Navy	192.3	192.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	29	2012	Navy	54.29	54.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
x	29	2012	Navy	90.27	90.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5) MJU-57 KINEMATIC																																				
	30	2012	Navy	42.28	42.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
x	30	2012	Navy	13.64	13.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	31	2006	Navy	11.52	11.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	31	2008	Navy	40	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	31	2010	Navy	37.42	37.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1) CCU-136/A/A HERO SAFE																																				

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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 1 : Proc Ammo, Navy / BSA 1 : Navy Ammunition	P-1 Line Item Nomenclature: 0194 - Jet Assisted Take Off (JATOs)
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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)	47.566	3.220	2.869	2.766	-	2.766	2.843	2.876	2.938	3.001	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	47.566	3.220	2.869	2.766	-	2.766	2.843	2.876	2.938	3.001	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	47.566	3.220	2.869	2.766	-	2.766	2.843	2.876	2.938	3.001	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

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

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

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

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

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 1 / BSA 1		P-1 Line Item Nomenclature: 0194 - Jet Assisted Take Off (JATOs)			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>		3.220	2.869	2.766	0.000	2.766
0.1) Mk 117 MOD O ROCKET MOTORS	A	2.377	2.313	2.280	-	2.280
Quantity		488	484	429	-	429
Unit Cost		4,870.90	4,778.93	5,314.69	-	5,314.69
0.2) OTHER COSTS	A	0.843	0.556	0.486	-	0.486
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
Total		3.220	2.869	2.766	0.000	2.766

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 1 : Proc Ammo, Navy / BSA 1 :
Navy Ammunition

P-1 Line Item Nomenclature:
0250 - 5 Inch/54 Gun 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)	105.751	23.364	34.492	19.006	-	19.006	51.937	27.310	28.174	58.804	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	105.751	23.364	34.492	19.006	-	19.006	51.937	27.310	28.174	58.804	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	105.751	23.364	34.492	19.006	-	19.006	51.937	27.310	28.174	58.804	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

PROGRAM DESCRIPTION/JUSTIFICATION:

5"/54 ammunition is fired from cruiser and destroyer types of combatant ships against air, surface, and shore targets. Program procures three types of propelling charges, five types of high-explosive projectiles, two specialty projectiles, two pure training rounds and several ancillary rounds (dummy, gage and test). Program also supports newly developed multi-function fuze and multi-option fuze modernization.

AC100 - PROCUREMENT

The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests. Costs associated with Transportation Account Code (TAC) are for first destination of delivery of production items. Unit costs and quantities will be adjusted during year of execution.

AC830 - PRODUCTION ENGINEERING

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

AC850 - PRODUCT IMPROVEMENT

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

AC893 - RENOVATION COMPONENTS

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

AC894 - GAUGE REQUIREMENTS

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

AC895 - NON-STANDARD ITEMS

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

AC102 - CONGRESSIONAL ADD

Ammunition being procured with Congressional funding.

AC101 - SUPPLEMENTAL

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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 1 : Proc Ammo, Navy / BSA 1 : Navy Ammunition	P-1 Line Item Nomenclature: 0250 - 5 Inch/54 Gun Ammunition
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ID Code (A=Service Ready, B=Not Service Ready) : A	Related Program Elements:
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Ammunition being procured with supplemental funding.
ACG86 - OVERSEAS CONTINGENCY OPERATIONS (OCO)
Ammunition being procured with OCO funding.

Remarks:

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1					P-1 Line Item Nomenclature: 0250 - 5 Inch/54 Gun Ammunition					Item Nomenclature: 5 Inch/54 Gun 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) AC100 5"/54 AMMUNITION COMPONENTS		-	-	72.600	-	-	18.646	-	-	29.115	-	-	15.274	-	-	-	-	-	15.274
1.1) 5"/54 CHG, PROP, CLEARING, MK65 (D296)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 1.2) 5"/54 CHG, PROP, FULL (D326)	A	-	-	31.515	-	-	-	-	-	-	855.52	8,970	7.674	-	-	-	855.52	8,970	7.674
1.3) PROJ, 5"/54 KE-ET (DA15)	A	-	-	16.092	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
1.4) 5"/54 PROJ, BLP/T (D349)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 1.5) 5"/54 PROJ, MULTI OPTION FUZE (DA48) ⁽¹⁾	A	-	-	15.640	1,740.27	10,507	18.285	1,640.00	17,474	28.657	1,822.26	3,899	7.105	-	-	-	1,822.26	3,899	7.105
1.6) MK 9 CARTRIDGE CASE (DDCC)	A	-	-	1.489	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
1.7) MK45 PRIMERS (N641)	A	-	-	7.381	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
1.8) TRANSPORTATION ACCT CODE	A	-	-	0.396	-	-	0.300	-	-	0.423	-	-	0.433	-	-	-	-	-	0.433
1.9) PE/QA SMCA	A	-	-	0.087	-	-	0.061	-	-	0.035	-	-	0.062	-	-	-	-	-	0.062
1.10) PROJ, 5"/54 KE-ET	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
1.11) MULTI OPTION FUZE	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
2) AC830 PRODUCTION ENGINEERING		-	-	9.433	-	-	3.133	-	-	2.848	-	-	2.844	-	-	-	-	-	2.844
2.1) PRODUCTION ENGINEERING	A	-	-	9.433	-	-	3.133	-	-	2.848	-	-	2.844	-	-	-	-	-	2.844
3) AC850 PRODUCT IMPROVEMENT		-	-	9.809	-	-	1.294	-	-	2.133	-	-	0.483	-	-	-	-	-	0.483
3.1) PRODUCT IMPROVEMENT	A	-	-	9.809	-	-	1.294	-	-	2.133	-	-	0.483	-	-	-	-	-	0.483
4) AC893 RENOVATION COMPONENTS		-	-	12.294	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
4.1) RENOVATION COMPONENTS	A	-	-	12.294	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
5) AC894 GAUGE REQUIREMENTS		-	-	1.189	-	-	0.291	-	-	0.396	-	-	0.405	-	-	-	-	-	0.405

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1 **P-1 Line Item Nomenclature:** 0250 - 5 Inch/54 Gun Ammunition **Item Nomenclature:** 5 Inch/54 Gun 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
5.1) GAUGE REQUIREMENTS	A	-	-	1.189	-	-	0.291	-	-	0.396	-	-	0.405	-	-	-	-	-	0.405
6) AC895 NON-STANDARD		-	-	0.426	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
6.1) NON-STANDARD	A	-	-	0.426	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Gross/Weapon System Cost		-	-	105.751	-	-	23.364	-	-	34.492	-	-	19.006	-	-	-	-	-	19.006
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	105.751	-	-	23.364	-	-	34.492	-	-	19.006	-	-	-	-	-	19.006
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	105.751	-	-	23.364	-	-	34.492	-	-	19.006	-	-	-	-	-	19.006
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:

⁽¹⁾Price difference between FY10 Baseline Procurement and FY10 OCO procurement is due to rounding in PDOCS.

Pricing differences between FY10, FY11 and FY12 procurements are due to the changes in the quantity procured each year and the resulting economy of scale.

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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 1 / BSA 1	P-1 Line Item Nomenclature: 0250 - 5 Inch/54 Gun Ammunition	Item Nomenclature: 5 Inch/54 Gun Ammunition
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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
1.2) 5/54 CHG, PROP, FULL (D326)		2012	JMC Rock Island / Illinois	C / FFP	JMC ROCK ISLAND	Mar 2012	Jun 2014	8,970	855.52	N	Sep 2011	Nov 2011
1.5) 5"/54 PROJ, MULTI OPTION FUZE (DA48)		2010	JMC Rock Island / Illinois	C / FFP	JMC ROCK ISLAND	Jan 2011	Jan 2013	10,305	1,740.00	Y	Aug 2010	Sep 2010
1.5) 5"/54 PROJ, MULTI OPTION FUZE (DA48)	Y	2010	JMC Rock Island / Illinois	C / FFP	JMC ROCK ISLAND	Jan 2011	Jan 2013	202	1,743.00	Y	Aug 2010	Sep 2010
1.5) 5"/54 PROJ, MULTI OPTION FUZE (DA48)		2011	JMC Rock Island / Illinois	C / FFP	JMC ROCK ISLAND	Jul 2011	Sep 2013	17,474	1,640.00	Y	Sep 2010	Jan 2011
1.5) 5"/54 PROJ, MULTI OPTION FUZE (DA48)		2012	JMC Rock Island / Illinois	C / FFP	JMC ROCK ISLAND	Mar 2012	Jun 2014	3,899	1,822.26	Y	Sep 2011	Nov 2011

Remarks:
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 1 / BSA 1 **P-1 Line Item Nomenclature:** 0250 - 5 Inch/54 Gun Ammunition **Item Nomenclature:** 5 Inch/54 Gun Ammunition

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																																																																																																									
1.2) 5/54 CHG, PROP, FULL (D326)																																																																																																																																							
	34	2012	Navy	8.97	-	8.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.97																																																																																																										
1.5) 5"/54 PROJ, MULTI OPTION FUZE (DA48)																																																																																																																																							
	35	2010	Navy	10.31	-	10.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.31																																																																																																										
x	35	2010	Navy	.202	-	.202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.202																																																																																																										
	35	2011	Navy	17.47	-	17.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.47																																																																																																										
	35	2012	Navy	3.899	-	3.899	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.899																																																																																																										
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O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S																																																																																																				
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Exhibit P-21, Budget Production Schedule : PB 2012 Navy **Date:** February 2011

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1	P-1 Line Item Nomenclature: 0250 - 5 Inch/54 Gun Ammunition	Item Nomenclature: 5 Inch/54 Gun Ammunition
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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					
1.2) 5/54 CHG, PROP, FULL (D326)																																			
	34	2012	Navy	8.97	-	8.97	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.97					
1.5) 5"/54 PROJ, MULTI OPTION FUZE (DA48)																																			
	35	2010	Navy	10.31	-	10.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	3	3.305	-	-		
x	35	2010	Navy	.202	-	.202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.202	-	-	-	-	-			
	35	2011	Navy	17.47	-	17.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	14.47				
	35	2012	Navy	3.899	-	3.899	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.899				
							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 1 / BSA 1 **P-1 Line Item Nomenclature:** 0250 - 5 Inch/54 Gun Ammunition **Item Nomenclature:** 5 Inch/54 Gun Ammunition

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			
1.2) 5/54 CHG, PROP, FULL (D326)																																	
	34	2012	Navy	8.97	-	8.97	-	-	-	-	-	-	-	-	-	8.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.5) 5"54 PROJ, MULTI OPTION FUZE (DA48)																																	
	35	2010	Navy	10.31	10.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
x	35	2010	Navy	.202	.202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	35	2011	Navy	17.47	3	14.47	3	3	3	3	2.474	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	35	2012	Navy	3.899	-	3.899	-	-	-	-	-	-	-	-	3.899	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
							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	JMC Rock Island - Illinois	10	15	20	6	6	23	29	6	6	23	29
2	JMC Rock Island - Illinois	4.5	20	60	6	6	23	29	6	6	23	29

Remarks:
 Remarks:
 FY05 - 5"54 CHG, PROP, FULL quantity 12 and deliveries begin September 2011.
 FY06 - 5"54 CHG, PROP, FULL quantity 24 and deliveries begin June 2012.
 FY07 - 5"54 CHG, PROP, FULL quantity 24 and deliveries begin August 2012.
 FY12 - 5"54 CHG, PROP, FULL quantity 8,970 and deliveries begin June 2014.
 FY08 - 5"54 PROJ, MULTI OPTION FUZE quantity 4,750 to be delivered Sept 2011.
 FY09 - 5"54 Proj, Multi Option Fuze quantity 4,992 and deliveries begin February 2012.
 FY10 - 5"54 Proj, Multi Option Fuze quantity 10,507 and deliveries begin January 2013.
 FY11 - 5"54 Proj, Multi Option Fuze quantity 17,474 and deliveries begin September 2013.
 FY12 - 5"54 Proj, Multi Option Fuze quantity 3,899 to be delivered June 2014.
 FY09 - 5"54 KE-ET, quantity 4 and deliveries begin June 2010.

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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 1 : Proc Ammo, Navy / BSA 1 : Navy Ammunition	P-1 Line Item Nomenclature: 0266 - Intermediate Caliber Gun Ammo
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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)	30.599	25.894	37.234	19.320	-	19.320	32.533	28.358	43.234	51.564	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	30.599	25.894	37.234	19.320	-	19.320	32.533	28.358	43.234	51.564	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	30.599	25.894	37.234	19.320	-	19.320	32.533	28.358	43.234	51.564	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

PROGRAM DESCRIPTION/JUSTIFICATION:

The intermediate caliber cartridge is a family of fixed rounds of ammunition for use in shipboard intermediate caliber gun weapon systems (GWS). Navy's primary use for an intermediate caliber GWS will be to address both surface and air targets. United States Coast Guard's (USCG) primary use is drug interdiction, homeland defense, and Visit, Board, Search and Seize (VBSS). Intermediate caliber GWS are currently employed on US Navy guided missile frigates (FFGs) and US Coast Guard Cutters. An intermediate caliber GWS is designated for use on the new Littoral Combat Ship (LCS) and DD(X) class of US Navy ships and the USCG National Security Cutter. The program procures both High Explosive service rounds as well as Target Practice and dummy rounds for this GWS.

AL100 - PROCUREMENT

The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests. Cost associated with the Transportation Account Code (TAC) are for first destination of delivery of production items. Unit costs and quantities will be adjusted during the year of execution.

AL830 - PRODUCTION ENGINEERING

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

AL850 - PRODUCT IMPROVEMENT

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

AL894 - GAUGE REQUIREMENTS

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

AL895 - NON -STANDARD ITEMS

The non-standard line is to support procurement of ammunition training aids and initial procurements of required non type classified munition items. Ammo procured with these funds is procured both through Single Manager for Conventional Ammunition (SMCA) and Naval Surface Warfare Centers. The most recent SMCA standard/non-standard price list has been used in pricing the SMCA-procured ammo. Pricing Non-SMCA items has been developed using engineering estimates and recent contract pricing.

AL101 - SUPPLEMENTAL

Ammunition being procured with supplemental funding.

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1					P-1 Line Item Nomenclature: 0266 - Intermediate Caliber Gun Ammo					Item Nomenclature: Intermediate Caliber Gun Ammo									
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) AL100 TRANSPORTATION ACCOUNT CODE		-	-	-	-	-	0.051	-	-	-	-	-	0.052	-	-	-	-	-	0.052
1.1) TRANSPORTATION ACCOUNT CODE	A	-	-	-	-	-	0.051	-	-	-	-	-	0.052	-	-	-	-	-	0.052
2) AL100 INTERMEDIATE CALIBER GUN AMMUNITION COMPONENTS		-	-	27.154	-	-	24.692	-	-	36.161	-	-	18.208	-	-	-	-	-	18.208
† 2.1) CART., 57MM DUMMY, RAMMABLE (57DM)	A	-	-	-	-	-	-	1,653.00	450	0.744	-	-	0.000	-	-	-	-	-	0.000
† 2.2) CART., 57MM, 3P MK295 (BA22) ⁽¹⁾	A	-	-	22.339	3,908.44	3,200	12.507	3,998.22	6,734	26.924	4,050.72	4,495	18.208	-	-	-	4,050.72	4,495	18.208
† 2.3) CART., 57MM TP MK296 (BA23)	A	-	-	4.635	1,606.88	7,583	12.185	1,644.00	5,166	8.493	-	-	0.000	-	-	-	-	-	0.000
2.4) TRANSACTION ACCT CODE	A	-	-	0.180	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
3) AL830 PRODUCTION ENGINEERING		-	-	3.184	-	-	1.099	-	-	1.020	-	-	1.005	-	-	-	-	-	1.005
3.1) PRODUCTION ENGINEERING	A	-	-	3.184	-	-	1.099	-	-	1.020	-	-	1.005	-	-	-	-	-	1.005
4) AL894 GAUGE REQUIREMENTS		-	-	0.261	-	-	0.052	-	-	0.053	-	-	0.055	-	-	-	-	-	0.055
4.1) GAUGE REQUIREMENTS	A	-	-	0.261	-	-	0.052	-	-	0.053	-	-	0.055	-	-	-	-	-	0.055
Gross/Weapon System Cost		-	-	30.599	-	-	25.894	-	-	37.234	-	-	19.320	-	-	-	-	-	19.320
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	30.599	-	-	25.894	-	-	37.234	-	-	19.320	-	-	-	-	-	19.320
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	30.599	-	-	25.894	-	-	37.234	-	-	19.320	-	-	-	-	-	19.320
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: ⁽¹⁾ BA22 unit cost includes First Article and Lot Acceptance testing.																			

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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 1 / BSA 1	P-1 Line Item Nomenclature: 0266 - Intermediate Caliber Gun Ammo	Item Nomenclature: Intermediate Caliber Gun Ammo
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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
2.1) CART., 57MM DUMMY, RAMMABLE (57DM)		2011	NSWC INDIAN HEAD DIV / Indian Head, MD	C / TBD	NSWC INDIAN HEAD	Mar 2011	Sep 2012	450	1,653.00	Y		Nov 2010
2.2) CART., 57MM, 3P MK295 (BA22)		2010	NSWC INDIAN HEAD DIV / Indian Head, MD	C / TBD	NSWC INDIAN HEAD	Mar 2011	Sep 2013	3,200	3,908.44	Y		Jul 2010
2.2) CART., 57MM, 3P MK295 (BA22)		2011	NSWC INDIAN HEAD DIV / Indian Head, MD	C / TBD	NSWC INDIAN HEAD	Aug 2011	Jan 2014	6,734	3,998.22	Y		Nov 2010
2.2) CART., 57MM, 3P MK295 (BA22) ⁽¹⁾		2012	NSWC INDIAN HEAD DIV / Indian Head, MD	C / TBD	NSWC INDIAN HEAD	Mar 2012	Sep 2014	4,495	4,050.72	Y		Oct 2011
2.3) CART., 57MM TP MK296 (BA23)		2010	NSWC INDIAN HEAD DIV / Indian Head, MD	C / TBD	NSWC INDIAN HEAD	Mar 2011	Sep 2012	7,583	1,606.88	Y		Jul 2010
2.3) CART., 57MM TP MK296 (BA23)		2011	NSWC INDIAN HEAD DIV / Indian Head, MD	C / TBD	NSWC INDIAN HEAD	Aug 2011	Feb 2013	5,166	1,644.00	Y		Nov 2010

Remarks:
 Remarks:
 NOTE: All items shown are priced with available GFM.
⁽¹⁾FY10 contract award delay is due to unanticipated documentation requirements for the Acquisition Plan and on-going negotiations with the contractors.

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1 **P-1 Line Item Nomenclature:** 0266 - Intermediate Caliber Gun Ammo **Item Nomenclature:** Intermediate Caliber Gun Ammo

COST ELEMENTS Units in Each							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) CART., 57MM DUMMY, RAMMABLE (57DM)																																
	36	2011	Navy	450	-	450	-	-	-	-	-	-	-	-	-	-	-	-	450	-	-	-	-	-	-	-	-	-	-	-		
2.2) CART., 57MM, 3P MK295 (BA22)																																
	37	2010	Navy	3200	-	3200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3200	-		
	37	2011	Navy	6734	-	6734	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6734		
	37	2012	Navy	4495	-	4495	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4495			
							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 1 / BSA 1 **P-1 Line Item Nomenclature:** 0266 - Intermediate Caliber Gun Ammo **Item Nomenclature:** Intermediate Caliber Gun Ammo

COST ELEMENTS Units in Each							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) CART., 57MM DUMMY, RAMMABLE (57DM)																																	
	36	2011	Navy	450	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
2.2) CART., 57MM, 3P MK295 (BA22)																																	
	37	2010	Navy	3200	3200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	37	2011	Navy	6734	-	6734	-	-	-	6734	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	37	2012	Navy	4495	-	4495	-	-	-	-	-	-	-	-	-	-	4495	-	-	-	-	-	-	-	-	-	-	-	-				
							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	NSWC INDIAN HEAD DIV - Indian Head, MD	2300	7500	15000	6	6	18	24	6	6	18	24
2	NSWC INDIAN HEAD DIV - Indian Head, MD	10000	12600	35280	6	6	24	30	6	6	24	30

Remarks:
 Remarks:
 FY10 - CART., 57MM TP MK296 quantity 7,583 and deliveries begin September 2012.
 FY11 - CART., 57MM TP MK296 quantity 5,166 to be delivered February 2013.
 FY10 - CART., 57MM 3P MK295 quantity 3,200 to be delivered September 2013.
 FY11 - CART., 57MM 3P MK295 quantity 6,734 to be delivered January 2014.
 FY12 - CART., 57MM 3P MK295 quantity 4,995 to be delivered September 2014.

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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 1 : Proc Ammo, Navy / BSA 1 : Navy Ammunition	P-1 Line Item Nomenclature: 0270 - Other Ship Gun Ammunition
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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)	-	38.658	36.730	21.938	0.182	22.120	33.783	30.586	36.173	47.654	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	38.658	36.730	21.938	0.182	22.120	33.783	30.586	36.173	47.654	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	38.658	36.730	21.938	0.182	22.120	33.783	30.586	36.173	47.654	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

PROGRAM DESCRIPTION/JUSTIFICATION:

The OSGA program consists of 40 medium caliber types of gun ammunition (20MM, 25MM, 30MM, 40MM). This supports active Navy ships, and active and reserve ashore warfare forces including mobile construction battalions (MCB), amphibious construction battalion (ACB), mobile security forces (MSF), fleet combat readiness groups, inshore undersea warfare groups and several other type of operational units. Program includes support for emergent anti-terrorism/force protection and homeland defense requirements.

AG100/AG200 - PROCUREMENT

The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests. Costs associated with Transportation Account Code (TAC) are for first destination of delivery of production items. Unit costs and quantities will be adjusted during year of execution.

AG830 - PRODUCTION ENGINEERING

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

AG850 - PRODUCT IMPROVEMENT

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

AG894 - GAUGE REQUIREMENTS

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

AG895 - NON-STANDARD ITEMS

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

AGNSW - PROCUREMENT

The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests. Costs associated with Transportation Account Code (TAC) are for first destination of delivery of production items for Naval Special Warfare Navy common items. Unit costs and quantities will be adjusted during year of execution.

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

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1 **P-1 Line Item Nomenclature:** 0270 - Other Ship Gun Ammunition **Item Nomenclature:** Other Ship Gun 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) AG100 25MM CARTRIDGES		-	-	-	-	-	0.399	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 1.1) CART., 25MM HEI-T/SAPHEI-T (AA98)	A	-	-	-	3.99	100,000	0.399	-	-	-	-	-	0.000	-	-	-	-	-	0.000
1.2) CTG, 25MM, TP-T, M793 (A976)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
2) 30MM CARTRIDGES		-	-	-	-	-	5.781	-	-	6.320	-	-	3.808	-	-	-	-	-	3.808
† 2.1) CART., 30MM TP-T LKD	A	-	-	-	27.00	45,407	1.226	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 2.2) CART., 30MM TP-T LKD LINKING (AA90)	A	-	-	-	-	-	-	25.00	53,000	1.325	25.00	35,520	0.888	-	-	-	25.00	35,520	0.888
† 2.3) CARTRIDGE, 30MM X 173, LINKED (AB44)	A	-	-	-	125.00	36,440	4.555	142.00	35,176	4.995	146.00	20,000	2.920	-	-	-	146.00	20,000	2.920
2.4) CART., 30MM PROGRAMMABLE AIR	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
3) 40MM GRENADE CARTRIDGES		-	-	-	-	-	10.464	-	-	4.817	-	-	6.196	-	-	0.182	-	-	6.378
† 3.1) CTG., 40MM, GREEN STAR PARACH (B504)	A	-	-	-	-	-	-	-	-	-	32.00	9,938	0.318	-	-	-	32.00	9,938	0.318
† 3.2) CTG., 40MM PRAC., M79 F/M203 (B519)	A	-	-	-	3.38	60,300	0.204	5.00	36,200	0.181	5.00	55,200	0.276	-	-	-	5.00	55,200	0.276
† 3.3) CTG 40MM M583A1 (B535)	A	-	-	-	40.26	16,544	0.666	51.00	14,843	0.757	51.00	12,098	0.617	-	-	-	51.00	12,098	0.617
† 3.4) CTG, 40MM, FIXED, HE (B542)	A	-	-	-	34.81	86,528	3.012	-	-	-	40.14	55,175	2.215	-	-	-	40.14	55,175	2.215
† 3.5) CTG 40MM HEDP (B546)	A	-	-	-	-	-	-	-	-	-	56.00	13,375	0.749	-	-	-	56.00	13,375	0.749
† 3.6) CTG, 40MM, FIXED, PRAC., F/MK (B576)	A	-	-	-	14.94	348,960	5.214	17.06	227,309	3.879	17.21	101,218	1.742	17.21	10,577	0.182	17.21	111,795	1.924
3.7) CTG, 40MM, BLANK, SAL (350&200 GRAMS) (B650)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 3.8) CTG 40MM, 300M NLWM (BA26)	A	-	-	-	27.35	50,018	1.368	-	-	-	27.90	10,000	0.279	-	-	-	27.90	10,000	0.279

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Exhibit P-5, Cost Analysis : PB 2012 Navy													Date: February 2011						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1						P-1 Line Item Nomenclature: 0270 - Other Ship Gun Ammunition						Item Nomenclature: Other Ship Gun 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
4) AG100 OTHER SHIP GUN AMMUNITION MAT.		-	-	-	-	-	0.672	-	-	0.653	-	-	0.625	-	-	-	-	-	0.625
4.1) TRANSPORTATION ACCT CODE	A	-	-	-	-	-	0.356	-	-	0.385	-	-	0.385	-	-	-	-	-	0.385
4.2) PE/QA SMCA-AG100	A	-	-	-	-	-	0.316	-	-	0.268	-	-	0.240	-	-	-	-	-	0.240
5) AG200 20MM CARTRIDGES		-	-	-	-	-	19.215	-	-	23.163	-	-	5.944	-	-	-	-	-	5.944
5.1) CARTRIDGE, 20MM DUMMY, M51A4N (AA20)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 5.2) CART., 20MM ELC LINK CART, 20MM, MK244 ELC (AA61)	A	-	-	-	28.95	663,751	19.215	27.38	846,000	23.163	27.93	212,833	5.944	-	-	-	27.93	212,833	5.944
6) AG200 OTHER SHIP GUN AMMUNITION MAT.		-	-	-	-	-	-	-	-	0.016	-	-	0.015	-	-	-	-	-	0.015
6.1) PE/QA SMCA-AG200	A	-	-	-	-	-	-	-	-	0.016	-	-	0.015	-	-	-	-	-	0.015
7) AG830 PRODUCTION ENGINEERING		-	-	-	-	-	2.098	-	-	1.731	-	-	1.388	-	-	-	-	-	1.388
7.1) PRODUCTION ENGINEERING	A	-	-	-	-	-	2.098	-	-	1.731	-	-	1.388	-	-	-	-	-	1.388
8) AG850 PRODUCT IMPROVEMENT		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
8.1) PRODUCT IMPROVEMENT	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
9) AG893 RENOVATION COMPONENTS		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
9.1) RENOVATION COMPONENTS	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
10) AG894 GAUGE REQUIREMENTS		-	-	-	-	-	0.029	-	-	0.030	-	-	0.025	-	-	-	-	-	0.025
10.1) GAUGE REQUIREMENTS	A	-	-	-	-	-	0.029	-	-	0.030	-	-	0.025	-	-	-	-	-	0.025
11) AG895 NON-STANDARD		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
12) AGNSW GRENADE CARTRIDGES		-	-	-	-	-	-	-	-	-	-	-	3.937	-	-	-	-	-	3.937

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1 **P-1 Line Item Nomenclature:** 0270 - Other Ship Gun Ammunition **Item Nomenclature:** Other Ship Gun 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
† 12.1) CTG., 40MM PRAC., M79/F/M203 (B519)	A	-	-	-	-	-	-	-	-	-	5.00	67,200	0.336	-	-	-	5.00	67,200	0.336
† 12.2) CTG., 40MM HIGH VELOCITY TP MK 281 MOD 0 (BA12)	A	-	-	-	-	-	-	-	-	-	29.35	40,000	1.174	-	-	-	29.35	40,000	1.174
† 12.3) CTG., 40MM PRAC., DAY/NIGHT MARKING MK (BA21)	A	-	-	-	-	-	-	-	-	-	48.54	50,000	2.427	-	-	-	48.54	50,000	2.427
12.4) CTG., 40MM ILLUMINATION, WHITE STAR CLUST (B536)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
13) GW1X1 OTHER SHIP GUN AMMUNITION MAT.		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
13.1) CART., 20MM ELC	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Gross/Weapon System Cost		-	-	-	-	-	38.658	-	-	36.730	-	-	21.938	-	-	0.182	-	-	22.120
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	-	-	-	38.658	-	-	36.730	-	-	21.938	-	-	0.182	-	-	22.120
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	-	-	-	38.658	-	-	36.730	-	-	21.938	-	-	0.182	-	-	22.120
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 1 / BSA 1				P-1 Line Item Nomenclature: 0270 - Other Ship Gun Ammunition					Item Nomenclature: Other Ship Gun 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
1.1) CART., 25MM HEI-T/SAPHEI-T (AA98)		2010	NSWC DAHLGREN / DAHLGREN, VA	C / TBD	NSWC DAHLGREN	Mar 2010	Mar 2011	100,000	3.99	Y		Oct 2009
2.1) CART., 30MM TP-T LKD		2010	JMC Rock Island / Illinois	C / TBD	JMC ROCK ISLAND	Sep 2011	Sep 2012	45,407	27.00	Y		Oct 2009
2.2) CART., 30MM TP-T LKD LINKING (AA90)		2011	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Sep 2011	Dec 2012	53,000	25.00	Y		Nov 2009
2.2) CART., 30MM TP-T LKD LINKING (AA90)		2012	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Mar 2012	Sep 2013	35,520	25.00	Y		Oct 2011
2.3) CARTRIDGE, 30MM X 173, LINKED (AB44)		2010	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Sep 2011	Sep 2012	36,440	125.00	Y	Apr 2011	Oct 2009
2.3) CARTRIDGE, 30MM X 173, LINKED (AB44)		2011	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Sep 2011	Dec 2012	35,176	142.00	N	Apr 2011	Oct 2010
2.3) CARTRIDGE, 30MM X 173, LINKED (AB44)		2012	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Mar 2012	Sep 2013	20,000	146.00	Y		Oct 2011
3.1) CTG., 40MM, GREEN STAR PARACH (B504)		2012	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Mar 2012	Jul 2013	9,938	32.00	Y		Oct 2011
3.2) CTG., 40MM PRAC., M79 F/M203 (B519)		2010	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Mar 2010	Apr 2012	60,300	3.38	Y		Nov 2009
3.2) CTG., 40MM PRAC., M79 F/M203 (B519)		2011	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Mar 2011	Jul 2012	36,200	5.00	N	Jul 2010	Oct 2010
3.2) CTG., 40MM PRAC., M79 F/M203 (B519)		2012	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Mar 2012	Jul 2013	55,200	5.00	Y		Oct 2011
3.3) CTG 40MM M583A1 (B535)		2010	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Mar 2010	Jan 2011	16,544	40.26	Y		Oct 2009
3.3) CTG 40MM M583A1 (B535)		2011	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Mar 2011	Jan 2012	14,843	51.00	N	Jul 2010	Oct 2010
3.3) CTG 40MM M583A1 (B535)		2012	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Mar 2012	Jul 2013	12,098	51.00	Y		Oct 2011
3.4) CTG, 40MM, FIXED, HE (B542)		2010	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Mar 2010	Apr 2013	66,400	35.00	Y		Nov 2009
3.4) CTG, 40MM, FIXED, HE (B542)	Y	2010	JMC Rock Island / Illinois	C / TBD	JMC ROCK ISLAND	Mar 2010	Mar 2010	20,128	35.00	N		Nov 2009
3.4) CTG, 40MM, FIXED, HE (B542)		2012	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Mar 2012	Jul 2013	55,175	40.14	Y		Oct 2011
3.5) CTG 40MM HEDP (B546)		2012	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Mar 2012	Jul 2013	13,375	56.00	Y		Oct 2011
3.6) CTG, 40MM, FIXED, PRAC., F/MK (B576)		2010	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Mar 2010	Dec 2011	298,464	15.00	Y		Oct 2009
3.6) CTG, 40MM, FIXED, PRAC., F/MK (B576)	Y	2010	JMC Rock Island / Illinois	C / TBD	JMS ROCK ISLAND	Mar 2010	Mar 2010	50,496	15.00	N		Oct 2009

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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 1 / BSA 1	P-1 Line Item Nomenclature: 0270 - Other Ship Gun Ammunition	Item Nomenclature: Other Ship Gun Ammunition
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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
3.6) CTG., 40MM, FIXED, PRAC., F/MK (B576)		2011	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Mar 2011	Mar 2013	200,485	17.00	N	Jul 2010	Oct 2010
3.6) CTG., 40MM, FIXED, PRAC., F/MK (B576)	Y	2011	JMC Rock Island / Illinois	C / TBD	JMS ROCK ISLAND	Mar 2011	Mar 2011	26,824	17.00	N		Oct 2010
3.6) CTG., 40MM, FIXED, PRAC., F/MK (B576)		2012	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Mar 2012	Jul 2013	101,218	17.21	Y		Oct 2011
3.6) CTG., 40MM, FIXED, PRAC., F/MK (B576)	Y	2012	JMC Rock Island / Illinois	C / TBD	JMC ROCK ISLAND	Mar 2012	Mar 2012	10,577	17.21	N		Oct 2011
3.8) CTG 40MM, 300M NLWM (BA26)	Y	2010	NSWC CRANE / CRANE, IN	C / TBD	NSWC CRANE	Jul 2010	Jul 2010	50,018	27.35	N		Oct 2009
3.8) CTG 40MM, 300M NLWM (BA26)		2012	NSWC CRANE / CRANE, IN	C / TBD	NSWC CRANE	Mar 2012	Feb 2014	10,000	27.90	Y		Oct 2011
5.2) CART., 20MM ELC LINK CART, 20MM, MK244 ELC (AA61)		2010	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Mar 2010	Sep 2011	663,751	28.95	Y		Oct 2009
5.2) CART., 20MM ELC LINK CART, 20MM, MK244 ELC (AA61)		2011	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Jan 2011	Sep 2012	846,000	27.38	N	Jul 2010	Oct 2010
5.2) CART., 20MM ELC LINK CART, 20MM, MK244 ELC (AA61)		2012	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Mar 2012	Sep 2013	212,833	27.93	Y		Oct 2011
12.1) CTG., 40MM PRAC., M79/F/M203 (B519)		2012	JMC Rock Island / Illinois	MIPR	JMC ROCK ISLAND	Mar 2012	Jul 2013	67,200	5.00	Y		Oct 2011
12.2) CTG., 40MM HIGH VELOCITY TP MK 281 MOD 0 (BA12)		2012	NSWC CRANE / CRANE, IN	WR	JMC ROCK ISLAND	Mar 2012	Jul 2013	40,000	29.35	Y		Oct 2011
12.3) CTG., 40MM PRAC., DAY/NIGHT MARKING MK (BA21)		2012	USMC / Quantico, VA	MIPR	USMC Quantico	Mar 2012	Jul 2013	50,000	48.54	Y		Oct 2011

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 1 / BSA 1 **P-1 Line Item Nomenclature:** 0270 - Other Ship Gun Ammunition **Item Nomenclature:** Other Ship Gun Ammunition

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					
5.2) CART., 20MM ELC LINK CART, 20MM, MK244 ELC (AA61)																																			
	38	2010	Navy	663.8	-	663.8	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	588.8					
	38	2011	Navy	846	-	846	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	846					
	38	2012	Navy	212.8	-	212.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	212.8					
							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 1 / BSA 1	P-1 Line Item Nomenclature: 0270 - Other Ship Gun Ammunition	Item Nomenclature: Other Ship Gun Ammunition
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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					
5.2) CART., 20MM ELC LINK CART, 20MM, MK244 ELC (AA61)																																			
	38	2010	Navy	663.8	75	588.8	75	75	75	75	75	75	75	63.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	38	2011	Navy	846	-	846	-	-	-	-	-	-	-	-	-	-	-	71	71	71	71	71	71	71	71	71	71	71	71	71	71	65	-		
	38	2012	Navy	212.8	-	212.8	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	158.8			
							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 1 / BSA 1 **P-1 Line Item Nomenclature:** 0270 - Other Ship Gun Ammunition **Item Nomenclature:** Other Ship Gun Ammunition

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
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
5.2) CART., 20MM ELC LINK CART, 20MM, MK244 ELC (AA61)																																	
	38	2010	Navy	663.8	663.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	38	2011	Navy	846	846	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	38	2012	Navy	212.8	54	158.8	54	54	50.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
							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	JMC Rock Island - Illinois	-	-	-																												

Remarks:
 Remarks:
 FY10 - CART., 20MM ELC - quantity of 663,751 and deliveries begin September 2011.
 FY11 - CART., 20MM ELC - quantity of 846,000 and deliveries begin September 2012.
 FY12 - CART., 20MM ELC - quantity of 212,833 and deliveries begin September 2013.

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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 1 : Proc Ammo, Navy / BSA 1 : Navy Ammunition	P-1 Line Item Nomenclature: 0335 - Small Arms & Lndg Party Ammo
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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)	-	54.630	53.949	51.819	4.545	56.364	66.427	66.659	63.200	65.120	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	54.630	53.949	51.819	4.545	56.364	66.427	66.659	63.200	65.120	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	54.630	53.949	51.819	4.545	56.364	66.427	66.659	63.200	65.120	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

PROGRAM DESCRIPTION/JUSTIFICATION:

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

AH100 - PROCUREMENT

Procure components, load and assemble complete rounds and conduct acceptance tests. Costs associated with Transportation Account Code (TAC) are for first destination of delivery of production items. Unit costs and quantities will be adjusted during year of execution.

AH830 - PRODUCTION ENGINEERING

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

AH895 - NON-STANDARD ITEMS

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

AH350 - MATCH AMMUNITION

Special Ammunition required to support Navy approved marksmanship competition matches.

AH101 - SUPPLEMENTAL

Ammunition being procured with supplemental funding.

AHG86 - OVERSEAS CONTINGENCY OPERATIONS (OCO) SUPPLEMENTAL

Ammunition being procured with OCO funding.

AH893 - RENOVATION COMPONENTS

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

AHNSW - PROCUREMENT

Procure components, load and assemble complete rounds and conduct acceptance tests. Costs associated with Transportation Account Code (TAC) are for first destination of delivery of production items for Naval Special Warfare navy common items. Unit costs and quantities will be adjusted during year of execution.

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1 **P-1 Line Item Nomenclature:** 0335 - Small Arms & Lndg Party Ammo **Item Nomenclature:** Small Arms & Lndg Party Ammo

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) AH100 PE/QA SMCA		-	-	-	-	-	0.885	-	-	1.512	-	-	1.230	-	-	-	-	-	1.230
1.1) PE/QA SMCA	A	-	-	-	-	-	0.885	-	-	1.512	-	-	1.230	-	-	-	-	-	1.230
2) AH100 TRANSPORTATION ACCOUNT CODE (TAC)		-	-	-	-	-	1.058	-	-	1.153	-	-	1.200	-	-	-	-	-	1.200
2.1) TRANSPORTATION ACCOUNT CODE (TAC)	A	-	-	-	-	-	1.058	-	-	1.153	-	-	1.200	-	-	-	-	-	1.200
3) .40 CAL CARTRIDGES		-	-	-	-	-	-	-	-	0.124	-	-	0.026	-	-	-	-	-	0.026
† 3.1) CARTRIDGE, MK 308 MOD 0, .40 (DWGW)	A	-	-	-	-	-	-	0.26	400,000	0.104	0.26	100,000	0.026	-	-	-	0.26	100,000	0.026
† 3.2) CTG .40 CALS&W (DWGX)	A	-	-	-	-	-	-	0.25	80,000	0.020	-	-	0.000	-	-	-	-	-	0.000
4) .50 CAL CARTRIDGES		-	-	-	-	-	17.289	-	-	17.910	-	-	10.207	-	-	-	-	-	10.207
4.1) CTG .50 CAL (AA50)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 4.2) 50 CAL BLANK (A598)	A	-	-	-	1.93	588,000	1.137	2.07	500,000	1.034	-	-	0.000	-	-	-	-	-	0.000
† 4.3) CTG, .50 LINKED (A576)	A	-	-	-	-	-	-	3.37	1,391K	4.690	3.23	740,000	2.390	-	-	-	3.23	740,000	2.390
† 4.4) CTG, 50 211-0 (A606)	A	-	-	-	12.50	12,720	0.159	13.15	10,800	0.142	-	-	0.000	-	-	-	-	-	0.000
† 4.5) CTG, 50 CAL, MK 211, APIT, M (AA06)	A	-	-	-	9.69	617,600	5.987	-	-	-	-	-	0.000	-	-	-	-	-	0.000
4.6) CTG, .50 CAL, AP, MK 263 MOD 0 (AA58)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 4.7) CTG, 50 CAL, LKD, BALL (A555)	A	-	-	-	2.63	678,800	1.783	-	-	-	2.88	735,000	2.117	-	-	-	2.88	735,000	2.117
† 4.8) CTG, 50 CAL, LKD & TRACER (A557)	A	-	-	-	2.73	3,017K	8.223	2.94	4,100K	12.044	3.00	1,900K	5.700	-	-	-	3.00	1,900K	5.700
5) 5.56MM CARTRIDGES		-	-	-	-	-	8.154	-	-	6.544	-	-	6.262	-	-	1.740	-	-	8.002
† 5.1) CTG, CAL 5.56MM, FRANGIBLE (AA40)	A	-	-	-	0.43	8,990K	3.847	0.52	7,008K	3.629	0.58	4,500K	2.611	0.58	3,000K	1.740	0.58	7,500K	4.351
† 5.2) CTG., 5.55MM, LKD 4 BALL/1 TR (A064)	A	-	-	-	-	-	-	-	-	-	0.56	1,000K	0.561	-	-	-	0.56	1,000K	0.561
† 5.3) CTG, 5.56MM M855 (A059)	A	-	-	-	0.36	10,020K	3.603	0.39	4,602K	1.773	0.39	4,500K	1.762	-	-	-	0.39	4,500K	1.762
† 5.4) CTG., 5.56MM, BLANK (A080)	A	-	-	-	0.27	2,590K	0.704	1.00	944,000	0.944	0.32	2,979K	0.955	-	-	-	0.32	2,979K	0.955

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1 **P-1 Line Item Nomenclature:** 0335 - Small Arms & Lndg Party Ammo **Item Nomenclature:** Small Arms & Lndg Party Ammo

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
† 5.5) CTG, 5.56MM, SRTR AMMO (AA68)	A	-	-	-	-	-	-	1.00	198,000	0.198	1.00	373,000	0.373	-	-	-	1.00	373,000	0.373
6) 7.62MM CARTRIDGES		-	-	-	-	-	20.653	-	-	20.716	-	-	5.887	-	-	1.505	-	-	7.392
† 6.1) CTG, 7.62MM (A257)	A	-	-	-	-	-	-	-	-	-	0.88	250,000	0.220	-	-	-	0.88	250,000	0.220
† 6.2) CARTR, 7.62MM (AA11)	A	-	-	-	1.05	199,640	0.209	1.21	1,105K	1.339	1.23	65,000	0.080	-	-	-	1.23	65,000	0.080
† 6.3) CTG., 7.62MM X 39MM BLANK (NNSN)	A	-	-	-	0.16	153,000	0.025	-	-	-	0.17	150,000	0.025	-	-	-	0.17	150,000	0.025
6.4) CTG, 7.62MM, LKD, 9 AP TO 1 (AA36)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 6.5) CTG, 7.62MM, SHORT RANGE TRAINING (AA39)	A	-	-	-	-	-	-	-	-	-	0.95	60,000	0.057	-	-	-	0.95	60,000	0.057
† 6.6) CTG., 7.62MM (AA04)	A	-	-	-	-	-	-	-	-	-	2.28	295,100	0.673	-	-	-	2.28	295,100	0.673
6.7) CTG, 7.62MM, LKD 9 AP TO 1 DI (AA34)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 6.8) CTG, 7.62MM, BLNK (A111)	A	-	-	-	0.68	8,459K	5.723	0.74	5,500K	4.093	-	-	0.000	-	-	-	-	-	0.000
† 6.9) CTG, 7.62MM, LKD, BALL AND TR (A131)	A	-	-	-	0.85	9,478K	8.031	0.90	10,021K	9.043	0.98	2,333K	2.293	-	-	-	0.98	2,333K	2.293
† 6.10) CTG, 7.62MM, BALL, M80, LKD (A143)	A	-	-	-	0.79	1,300K	1.033	0.91	2,000K	1.815	0.92	400,000	0.368	0.79	603,801	0.475	0.84	1,004K	0.843
† 6.11) CTG, 7.62MM, LKD (A165)	A	-	-	-	0.83	6,792K	5.632	0.89	5,000K	4.426	0.94	2,300K	2.171	0.94	1,096K	1.030	0.94	3,396K	3.201
7) 9MM CARTRIDGES		-	-	-	-	-	2.553	-	-	1.508	-	-	3.762	-	-	1.300	-	-	5.062
† 7.1) CTG, 9MM, BALL (A363)	A	-	-	-	0.16	7,406K	1.154	0.16	3,564K	0.556	0.20	7,500K	1.500	0.16	8,125K	1.300	0.18	15,625K	2.800
† 7.2) CTG, .38 BLANK (A403)	A	-	-	-	-	-	-	0.40	5,000	0.002	0.50	10,000	0.005	-	-	-	0.50	10,000	0.005
† 7.3) CTG, 9MM, FX, MARKING, RED (AA12)	A	-	-	-	1.00	136,000	0.136	1.00	294,000	0.294	1.00	309,000	0.309	-	-	-	1.00	309,000	0.309
† 7.4) CTG, 9MM, FRANGIBLE (AA16)	A	-	-	-	0.29	4,024K	1.167	0.31	1,800K	0.558	3.13	480,000	1.500	-	-	-	3.13	480,000	1.500
† 7.5) CTG, 9MM, FX, MARKING, BLUE (AA21)	A	-	-	-	1.00	96,000	0.096	1.00	98,000	0.098	1.00	448,000	0.448	-	-	-	1.00	448,000	0.448

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1 **P-1 Line Item Nomenclature:** 0335 - Small Arms & Lndg Party Ammo **Item Nomenclature:** Small Arms & Lndg Party Ammo

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) GRENADES		-	-	-	-	-	0.029	-	-	0.224	-	-	3.532	-	-	-	-	-	3.532
† 8.1) FUZE, DELAY M228 (G878)	A	-	-	-	4.54	6,384	0.029	-	-	-	7.52	6,120	0.046	-	-	-	7.52	6,120	0.046
† 8.2) GREN, LAUNCHER, SMK, IR SCREE (G826)	A	-	-	-	-	-	-	-	-	-	295.60	10,000	2.956	-	-	-	295.60	10,000	2.956
† 8.3) GRENADE, HND, SMK, GREEN (G940)	A	-	-	-	-	-	-	-	-	-	53.00	10,000	0.530	-	-	-	53.00	10,000	0.530
8.4) GRENADE, HND, SMK, VIOLET (G955)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
8.5) GRENADE, LAUNCHER, SMK, M82 (G978)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 8.6) GRENADE, HND, SMK, YELLO (G945)	A	-	-	-	-	-	-	56.00	4,000	0.224	-	-	0.000	-	-	-	-	-	0.000
9) MINES		-	-	-	-	-	-	-	-	0.001	-	-	0.366	-	-	-	-	-	0.366
9.1) MINE, AP, M18A1/T48E3 W/ ACCESSORIES (K143)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 9.2) MINE AP M18A1WITH SHOCK TUBE (J007)	A	-	-	-	-	-	-	-	-	-	261.00	1,400	0.365	-	-	-	261.00	1,400	0.365
† 9.3) RIOT CNTRL, CS (K765)	A	-	-	-	-	-	-	0.40	2,500	0.001	0.33	3,000	0.001	-	-	-	0.33	3,000	0.001
10) SHOTGUN CARTRIDGES		-	-	-	-	-	0.902	-	-	1.621	-	-	0.260	-	-	-	-	-	0.260
† 10.1) CTG., 12 GA, RUBBER, FIN STAB (AA31)	A	-	-	-	-	-	-	-	-	-	3.87	15,000	0.058	-	-	-	3.87	15,000	0.058
† 10.2) CTG, 12 GA NO.9 (A017)	A	-	-	-	-	-	-	-	-	-	0.33	75,000	0.025	-	-	-	0.33	75,000	0.025
† 10.3) CTG, 12 GA NO. 00 (A011)	A	-	-	-	0.51	173,760	0.089	0.52	1,782K	0.921	-	-	0.000	-	-	-	-	-	0.000
† 10.4) CTG, 12 GA, FRANGIBLE (AA86)	A	-	-	-	-	-	-	0.59	218,600	0.129	0.60	295,100	0.177	-	-	-	0.60	295,100	0.177
† 10.5) CTG, 12 GA WARNING MUNITION (LA51)	A	-	-	-	7.88	50,000	0.394	8.59	66,500	0.571	-	-	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 1 / BSA 1					P-1 Line Item Nomenclature: 0335 - Small Arms & Lndg Party Ammo					Item Nomenclature: Small Arms & Lndg Party Ammo									
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
† 10.6) CTG, 12 GA WARNING MUNITION (LA52)	A	-	-	-	8.38	50,000	0.419	-	-	-	-	-	0.000	-	-	-	-	-	0.000
11) AH101 SUPPLEMENTAL		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
11.1) CTG, 12 GA, NO. 00 (A011)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
11.2) CTG, 12 GA WARNING MUNITION (LA52)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
11.3) CTG, 9MM, FRANGIBLE (AA16)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
11.4) CART, 50 CAL, MK 21L, APIT (AA06)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
12) AH350 MATCH AMMO		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
12.1) MATCH AMMO	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
13) MATCH AMMO		-	-	-	-	-	0.439	-	-	0.254	-	-	0.217	-	-	-	-	-	0.217
† 13.1) CTG, .22 CAL, BALL, LR, MATCH (A097)	A	-	-	-	0.40	517,000	0.209	0.10	50,000	0.005	0.10	145,000	0.015	-	-	-	0.10	145,000	0.015
† 13.2) CTG, 5.56MM, SPECIAL BALL, MK 262 MOD 1 (AA53)	A	-	-	-	0.56	300,000	0.168	0.57	325,000	0.185	0.58	160,000	0.093	-	-	-	0.58	160,000	0.093
† 13.3) CTG, 45 CAL, BALL, M1911, M (A483)	A	-	-	-	-	-	-	-	-	-	1.00	45,000	0.045	-	-	-	1.00	45,000	0.045
† 13.4) CTG., 28 GAGE SKEET LOAD, PLASTIC CASE 2 DRAMS EQUIVALENT (A057)	A	-	-	-	0.25	125,000	0.031	0.26	125,000	0.032	0.26	125,000	0.032	-	-	-	0.26	125,000	0.032
† 13.5) CTG., 20 GAGE SHOTGUN, SKEET LOAD 2 1/2 DRAMS POWDER EQUIVALENT (A046)	A	-	-	-	0.25	125,000	0.031	0.26	125,000	0.032	0.26	125,000	0.032	-	-	-	0.26	125,000	0.032
13.6) 12 GA CARTRIDGE SKEET DRAM PAPER CASE (LL0003348)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
14) AH830 PRODUCTION ENGINEERING		-	-	-	-	-	2.256	-	-	1.339	-	-	1.955	-	-	-	-	-	1.955

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1					P-1 Line Item Nomenclature: 0335 - Small Arms & Lndg Party Ammo					Item Nomenclature: Small Arms & Lndg Party Ammo									
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
14.1) PRODUCTION ENGINEERING	A	-	-	-	-	-	2.256	-	-	1.339	-	-	1.955	-	-	-	-	-	1.955
15) AH893 RENOVATION COMPONENTS		-	-	-	-	-	0.412	-	-	1.043	-	-	0.000	-	-	-	-	-	0.000
15.1) RENOVATION COMPONENTS	A	-	-	-	-	-	0.412	-	-	1.043	-	-	0.000	-	-	-	-	-	0.000
16) AH895 NON-STANDARD		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
16.1) NON-STANDARD	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
17) GW1X1 CTG, 9MM, FRANGIBLE		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
17.1) CTG, 9MM, FRANGIBLE	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
18) GW1X1 CARTRIDGE, MK 308 MOD 0, .40		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
18.1) CARTRIDGE, MK 308 MOD 0, .40	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
19) GW1X1 CTG .40 CALS&W		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
19.1) CTG .40 CALS&W	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
20) GW1X1, 7.62MM, BALL, M80, LKD		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
20.1) CTG, 7.62MM, BALL, M80, LKD	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
21) GW1X1 CTG, 7.62MM, LKD		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
21.1) CTG, 7.62MM, LKD	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
22) GW1X1 CTG, .50 CAL, MK211, APIT, M		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
22.1) CTG, .50 CAL, MK211, APIT, M	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
23) .50 CAL CARTRIDGES		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
23.1) CTG, .50 CAL, BLANK	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
24) 5.56MM CARTRIDGES		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
24.1) CTG, 5.56MM, FRANGIBLE	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 1 / BSA 1 **P-1 Line Item Nomenclature:** 0335 - Small Arms & Lndg Party Ammo **Item Nomenclature:** Small Arms & Lndg Party Ammo

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	
24.2) CTG, 5.56MM BLANK	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
25) 7.62MM CARTRIDGES		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
25.1) CTG, 7.62MM BLANK	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
26) SMALL ARMS AND LANDING PARTY AMMUNITION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
26.1) CTG, 0.38 CAL BLANK	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
27) AHNSW GRENADES		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.687
† 27.1) FUZE, DELAY M228, F/M 68 HAND GRND (G878)	A	-	-	-	-	-	-	-	-	-	8.00	4,500	0.036	-	-	-	-	8.00	4,500	0.036
27.2) GRENADE, HAND, FRAG (G881)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
27.3) GRENADE, HAND, SMOKE, GREEN (G940)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
† 27.4) GRENADE, HAND, SMOKE, RED (G950)	A	-	-	-	-	-	-	-	-	-	53.00	12,283	0.651	-	-	-	-	53.00	12,283	0.651
28) AHNSW 9MM CARTRIDGES		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.863
† 28.1) CTG, 9MM BALL (A363)	A	-	-	-	-	-	-	-	-	-	0.24	12,000K	2.863	-	-	-	-	0.24	12,000K	2.863
28.2) CTG, 9MM REDUCED RICOCHETTE, LOW PEN (AA16)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
29) AHNSW 7.62MM CARTRIDGES		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.609
† 29.1) CTG, 7.62MM BLANK, LINKED (A111)	A	-	-	-	-	-	-	-	-	-	0.81	2,500K	2.033	-	-	-	-	0.81	2,500K	2.033
† 29.2) CTG, 7.62MM LNKD, BALL AND TRACER (A131)	A	-	-	-	-	-	-	-	-	-	0.96	8,800K	8.412	-	-	-	-	0.96	8,800K	8.412
† 29.3) CTG, 7.62MM BALL LINKED (NO TRACER) (A143)	A	-	-	-	-	-	-	-	-	-	0.65	600,000	0.387	-	-	-	-	0.65	600,000	0.387

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1					P-1 Line Item Nomenclature: 0335 - Small Arms & Lndg Party Ammo					Item Nomenclature: Small Arms & Lndg Party Ammo									
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
† 29.4) CTG, 7.62MM LINKED 9.1 DIM TRACED F/MK 44 (A257)	A	-	-	-	-	-	-	-	-	-	0.78	1,000K	0.777	-	-	-	0.78	1,000K	0.777
29.5) CTG, 7.62MM BALL (SOST) (AB50)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
30) AHNSW 5.56MM CARTRIDGES		-	-	-	-	-	-	-	-	-	-	-	0.275	-	-	-	-	-	0.275
30.1) CTG, 5.56MM BAL F/M4A1 RIFLE (A059)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
30.2) CTG, 5.56MM CTG BALL B855 LKD F/SAW (A062)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
30.3) CTG, 5.56MM LINKED (A064)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
30.4) CTG, 5.56MM BLANK, LDD M27 LINK (A075)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
30.5) CTG, 5.56MM BLANK (TRAINING ITEM) (A080)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
30.6) CTG, 5.56MM 77 GRAIN, MK 262 MOD 0/1, LONG (AA53)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
30.7) CTG, 5.56MM BALL, CARBINE, BARRIER MK 318 (AB49)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 30.8) CTG, 5.56MM MARKING, RED (AA12)	A	-	-	-	-	-	-	-	-	-	0.46	600,400	0.275	-	-	-	0.46	600,400	0.275
30.9) CTG, 9/5.56MM MARKING, BLUE (AA21)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
31) AHNSW .50 CAL CARTRIDGES		-	-	-	-	-	-	-	-	-	-	-	1.481	-	-	-	-	-	1.481
† 31.1) CTG, CAL .50 LINKED BALL (NO TRACER) (A555)	A	-	-	-	-	-	-	-	-	-	2.96	500,000	1.481	-	-	-	2.96	500,000	1.481
31.2) CTG, CAL .50 LINKED, BALL/TRACER (A557)	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 1 / BSA 1 **P-1 Line Item Nomenclature:** 0335 - Small Arms & Lndg Party Ammo **Item Nomenclature:** Small Arms & Lndg Party Ammo

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
31.3) CTG, CAL .50 LINKED, M2 APL, M8/ APK-T M20 (A576)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
31.4) CTG, CAL .50 LINKED, BLANK, M1A1 (A598)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
31.5) CTG, CAL .50 APL MK 211 MIULTI PURPOSE (A606)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
32) AHNSW SHOTGUN CARTRIDGES		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
32.1) CTG, 12 GUAGE SHOTGUN 00 BUCK (A011)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
33) AHNSW MATCH AMMO		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
33.1) CTG, CAL 45 MATCH (A483)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
Gross/Weapon System Cost		-	-	-	-	-	54.630	-	-	53.949	-	-	51.819	-	-	4.545	-	-	56.364
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	-	-	-	54.630	-	-	53.949	-	-	51.819	-	-	4.545	-	-	56.364
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	-	-	-	54.630	-	-	53.949	-	-	51.819	-	-	4.545	-	-	56.364
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 1 / BSA 1				P-1 Line Item Nomenclature: 0335 - Small Arms & Lndg Party Ammo					Item Nomenclature: Small Arms & Lndg Party Ammo			
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
3.1) CARTRIDGE, MK 308 MOD 0, .40 (DWGW)		2011	UNKNOWN / UNKNOWN	C / TBD	NSWC CRANE	Mar 2011	Mar 2012	400,000	0.26	Y		Oct 2010
3.1) CARTRIDGE, MK 308 MOD 0, .40 (DWGW)		2012	UNKNOWN / UNKNOWN	C / TBD	NSWC CRANE	Mar 2012	Mar 2013	100,000	0.26	Y		Oct 2011
3.2) CTG .40 CALS&W (DWGX)		2011	UNKNOWN / UNKNOWN	C / TBD	NSWC CRANE	Mar 2011	Mar 2012	80,000	0.25	Y		Oct 2010
4.2) 50 CAL BLANK (A598)		2010	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2010	Oct 2010	588,000	1.93	Y		Oct 2009
4.2) 50 CAL BLANK (A598)		2011	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2011	Oct 2011	500,000	2.07	Y		Oct 2010
4.3) CTG, .50 LINKED (A576)		2011	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2011	Oct 2011	1,391K	3.37	Y		Oct 2010
4.3) CTG, .50 LINKED (A576)		2012	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2012	Oct 2012	740,000	3.23	Y		Oct 2011
4.4) CTG, 50 211-0 (A606)		2010	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2010	Oct 2010	12,720	12.50	Y		Oct 2009
4.4) CTG, 50 211-0 (A606)		2011	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2011	Oct 2011	10,800	13.15	Y		Oct 2010
4.5) CTG, 50 CAL, MK 211, APIT, M (AA06)		2010	ATK LAKE CITY / LAKE CITY	C / TBD	JMC ROCK ISLAND	Mar 2010	Feb 2011	617,600	9.69	Y		Oct 2009
4.7) CTG, 50 CAL, LKD, BALL (A555)		2010	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2010	Oct 2010	678,800	2.63	Y		Oct 2009
4.7) CTG, 50 CAL, LKD, BALL (A555)		2012	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2012	Oct 2012	735,000	2.88	Y		Oct 2011
4.8) CTG, 50 CAL, LKD & TRACER (A557)		2010	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jun 2010	Jul 2011	3,017K	2.73	Y		Oct 2009
4.8) CTG, 50 CAL, LKD & TRACER (A557)		2011	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jun 2011	Jul 2012	4,100K	2.94	Y		Oct 2010
4.8) CTG, 50 CAL, LKD & TRACER (A557)		2012	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2012	Oct 2012	1,900K	3.00	Y		Oct 2011
5.1) CTG, CAL 5.56MM, FRANGIBLE (AA40)		2010	ATK LAKE CITY / LAKE CITY	MIPR	NSWC CRANE	Jan 2010	Oct 2010	2,715K	0.00	Y		Oct 2009
5.1) CTG, CAL 5.56MM, FRANGIBLE (AA40)		2011	ATK LAKE CITY / LAKE CITY	MIPR	NSWC CRANE	Jan 2011	Oct 2011	4,008K	1.00	Y		Oct 2010
5.1) CTG, CAL 5.56MM, FRANGIBLE (AA40)		2012	ATK LAKE CITY / LAKE CITY	MIPR	NSWC CRANE	Jan 2012	Sep 2012	4,500K	0.58	Y		Oct 2011
5.1) CTG, CAL 5.56MM, FRANGIBLE (AA40)	Y	2010	OLIN CORPORATION / ILLINOIS	SS / FFP	NSWC CRANE	Jan 2010	Oct 2010	6,275K	0.00	Y		Oct 2009
5.1) CTG, CAL 5.56MM, FRANGIBLE (AA40)	Y	2011	OLIN CORPORATION / ILLINOIS	SS / FFP	NSWC CRANE	Jan 2011	Oct 2011	3,000K	0.00	Y		Oct 2010

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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 1 / BSA 1				P-1 Line Item Nomenclature: 0335 - Small Arms & Lndg Party Ammo					Item Nomenclature: Small Arms & Lndg Party Ammo			
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
5.1) CTG, CAL 5.56MM, FRANGIBLE (AA40)	Y	2012	OLIN CORPORATION / ILLINOIS	SS / FFP	NSWC CRANE	Jan 2012	Oct 2012	3,000K	0.58	Y		Oct 2011
5.2) CTG., 5.56MM, LKD 4 BALL/1 TR (A064)		2012	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	1,000K	0.56	Y		Oct 2011
5.3) CTG, 5.56MM M855 (A059)		2010	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2010	Oct 2010	7,135K	0.00	Y		Oct 2009
5.3) CTG, 5.56MM M855 (A059)		2011	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2011	Oct 2011	4,602K	0.39	Y		Oct 2010
5.3) CTG, 5.56MM M855 (A059)		2012	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	4,500K	0.39	Y		Oct 2011
5.3) CTG, 5.56MM M855 (A059)	Y	2010	ALLIANT LAKE CITY / UNKNOWN	MIPR	JMC ROCK ISLAND	Jan 2010	Oct 2010	2,885K	0.00	Y		Oct 2009
5.4) CTG., 5.56MM, BLANK (A080)	Y	2010	ALLIANT LAKE CITY / UNKNOWN	MIPR	JMC ROCK ISLAND	Jan 2010	Oct 2010	383,040	0.00	Y		Oct 2009
5.4) CTG., 5.56MM, BLANK (A080)		2010	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2010	Oct 2010	2,207K	0.00	Y		Oct 2009
5.4) CTG., 5.56MM, BLANK (A080)		2011	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2011	Oct 2011	944,000	1.00	Y		Oct 2010
5.4) CTG., 5.56MM, BLANK (A080)		2012	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	2,979K	0.32	Y		Oct 2011
5.5) CTG, 5.56MM, SRTR AMMO (AA68)		2011	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Apr 2011	Jan 2012	198,000	1.00	Y		Oct 2010
5.5) CTG, 5.56MM, SRTR AMMO (AA68)		2012	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Apr 2012	Dec 2012	373,000	1.00	Y		Oct 2011
6.1) CTG. 7.62MM (A257)		2012	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	250,000	0.88	Y		Oct 2011
6.2) CARTR, 7.62MM (AA11)		2010	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2010	Oct 2010	199,640	1.05	Y		Oct 2009
6.2) CARTR, 7.62MM (AA11)		2011	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2011	Oct 2011	1,105K	1.21	Y		Oct 2010
6.2) CARTR, 7.62MM (AA11)		2012	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	65,000	1.23	Y		Oct 2011
6.3) CTG., 7.62MM X 39MM BLANK (NNSN)		2010	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Mar 2010	Jun 2010	153,000	0.16	Y		Oct 2009
6.3) CTG., 7.62MM X 39MM BLANK (NNSN)		2012	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	150,000	0.17	Y		Oct 2011
6.5) CTG, 7.62MM, SHORT RANGE TRAINING (AA39)		2012	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	60,000	0.95	Y		Oct 2011
6.6) CTG., 7.62MM (AA04)		2012	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	295,100	2.28	Y		Oct 2011

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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 1 / BSA 1				P-1 Line Item Nomenclature: 0335 - Small Arms & Lndg Party Ammo					Item Nomenclature: Small Arms & Lndg Party Ammo			
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
6.8) CTG, 7.62MM, BLNK (A111)		2010	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Jan 2010	Oct 2010	3,401K	1.00	Y		Oct 2009
6.8) CTG, 7.62MM, BLNK (A111)	Y	2010	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Jan 2010	Oct 2010	5,058K	1.00	Y		Oct 2009
6.8) CTG, 7.62MM, BLNK (A111)		2011	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Jan 2011	Oct 2011	3,000K	1.00	Y		Oct 2010
6.8) CTG, 7.62MM, BLNK (A111)	Y	2011	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Jan 2011	Oct 2011	2,500K	1.00	Y		Oct 2010
6.9) CTG, 7.62MM, LKD, BALL AND TR (A131)		2010	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2010	Oct 2010	5,202K	1.00	Y		Oct 2009
6.9) CTG, 7.62MM, LKD, BALL AND TR (A131)		2011	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2011	Oct 2011	7,021K	1.00	Y		Oct 2010
6.9) CTG, 7.62MM, LKD, BALL AND TR (A131)	Y	2011	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2011	Oct 2011	3,000K	1.00	Y		Oct 2010
6.9) CTG, 7.62MM, LKD, BALL AND TR (A131)	Y	2010	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Sep 2010	Oct 2010	4,277K	1.00	Y		Oct 2009
6.9) CTG, 7.62MM, LKD, BALL AND TR (A131)		2012	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	2,333K	0.98	Y		Oct 2011
6.10) CTG, 7.62MM, BALL, M80, LKD (A143)		2010	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2010	Oct 2010	1,300K	0.79	Y		Oct 2009
6.10) CTG, 7.62MM, BALL, M80, LKD (A143)		2011	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2011	Oct 2011	2,000K	0.91	Y		Oct 2010
6.10) CTG, 7.62MM, BALL, M80, LKD (A143)		2012	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	400,000	0.92	Y		Oct 2011
6.10) CTG, 7.62MM, BALL, M80, LKD (A143)	Y	2012	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2012	Mar 2013	603,801	0.79	Y		Oct 2011
6.11) CTG, 7.62MM, LKD (A165)		2010	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2010	Oct 2010	3,078K	1.00	Y		Oct 2009
6.11) CTG, 7.62MM, LKD (A165)	Y	2010	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2010	Oct 2010	3,714K	1.00	Y		Oct 2009
6.11) CTG, 7.62MM, LKD (A165)		2011	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2011	Oct 2011	3,000K	1.00	Y		Oct 2010
6.11) CTG, 7.62MM, LKD (A165)	Y	2011	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2011	Oct 2011	2,000K	1.00	Y		Oct 2010
6.11) CTG, 7.62MM, LKD (A165)		2012	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	2,300K	0.94	Y		Oct 2011
6.11) CTG, 7.62MM, LKD (A165)	Y	2012	ATK LAKE CITY / LAKE CITY	MIPR	JMC ROCK ISLAND	Jan 2012	Mar 2013	1,096K	0.94	Y		Oct 2011
7.1) CTG, 9MM, BALL (A363)		2010	OLIN CORPORATION / ILLINOIS	SS / FFP	JMC ROCK ISLAND	Jan 2010	Jul 2010	5,816K	0.00	Y		Oct 2009

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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 1 / BSA 1				P-1 Line Item Nomenclature: 0335 - Small Arms & Lndg Party Ammo					Item Nomenclature: Small Arms & Lndg Party Ammo			
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
7.1) CTG, 9MM, BALL (A363)	Y	2010	OLIN CORPORATION / ILLINOIS	SS / FFP	JMC ROCK ISLAND	Jan 2010	Jul 2010	1,590K	0.00	Y		Oct 2009
7.1) CTG, 9MM, BALL (A363)		2011	OLIN CORPORATION / ILLINOIS	SS / FFP	JMC ROCK ISLAND	Jan 2011	Jul 2011	564,000	0.00	Y		Oct 2010
7.1) CTG, 9MM, BALL (A363)	Y	2011	OLIN CORPORATION / ILLINOIS	SS / FFP	JMC ROCK ISLAND	Jan 2011	Jul 2011	3,000K	0.00	Y		Oct 2010
7.1) CTG, 9MM, BALL (A363)		2012	OLIN CORPORATION / ILLINOIS	SS / FFP	JMC ROCK ISLAND	Jan 2012	Sep 2012	7,500K	0.20	Y		Oct 2011
7.1) CTG, 9MM, BALL (A363)	Y	2012	OLIN CORPORATION / ILLINOIS	SS / FFP	JMC ROCK ISLAND	Jan 2012	Mar 2013	8,125K	0.16	Y		Oct 2011
7.2) CTG, .38 BLANK (A403)		2011	UNKNOWN / UNKNOWN	C / FFP	NSWC CRANE	Jun 2011	Dec 2011	5,000	0.40	Y		Oct 2010
7.2) CTG, .38 BLANK (A403)		2012	UNKNOWN / UNKNOWN	C / FFP	NSWC CRANE	Mar 2012	Nov 2012	10,000	0.50	Y		Oct 2011
7.3) CTG, 9MM, FX, MARKING, RED (AA12)		2010	GDOTS CANADA / UNKNOWN	C / TBD	MARINE CORP	Jan 2010	Dec 2010	136,000	1.00	Y		Oct 2009
7.3) CTG, 9MM, FX, MARKING, RED (AA12)		2011	GDOTS CANADA / UNKNOWN	C / TBD	MARINE CORP	Jan 2011	Dec 2011	294,000	1.00	Y		Oct 2010
7.3) CTG, 9MM, FX, MARKING, RED (AA12)		2012	GDOTS CANADA / UNKNOWN	MIPR	MARINE CORP	Jan 2012	Sep 2012	309,000	1.00	Y		Oct 2011
7.4) CTG, 9MM, FRANGIBLE (AA16)		2010	OLIN CORPORATION / ILLINOIS	C / FFP	NSWC CRANE	Mar 2010	Mar 2011	4,024K	0.29	Y		Oct 2009
7.4) CTG, 9MM, FRANGIBLE (AA16)		2011	OLIN CORPORATION / ILLINOIS	C / FFP	NSWC CRANE	Mar 2011	Mar 2012	1,800K	0.31	Y		Oct 2010
7.4) CTG, 9MM, FRANGIBLE (AA16)		2012	OLIN CORPORATION / ILLINOIS	C / FFP	NSWC CRANE	Jan 2012	Sep 2012	480,000	3.13	Y		Oct 2011
7.5) CTG, 9MM, FX, MARKING, BLUE (AA21)		2010	GDOTS CANADA / CANADA	C / FFP	MARINE CORP	Jan 2010	Dec 2010	96,000	1.00	Y		Oct 2009
7.5) CTG, 9MM, FX, MARKING, BLUE (AA21)		2011	GDOTS CANADA / CANADA	C / FFP	MARINE CORP	Jan 2011	Dec 2011	98,000	1.00	Y		Oct 2010
7.5) CTG, 9MM, FX, MARKING, BLUE (AA21)		2012	GDOTS CANADA / CANADA	C / FFP	MARINE CORP	Jan 2012	Sep 2012	448,000	1.00	Y		Oct 2011
8.1) FUZE, DELAY M228 (G878)		2010	MARTIN ELECTRONICS, INC. / UNKNOWN	MIPR	JMC ROCK ISLAND	Mar 2010	Mar 2011	6,384	4.54	Y		Oct 2009
8.1) FUZE, DELAY M228 (G878)		2012	MARTIN ELECTRONICS, INC. / UNKNOWN	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	6,120	7.52	Y		Oct 2011
8.2) GREN, LAUNCHER, SMK, IR SCREE (G826)		2012	PINE BLUFF ARSENAL / PINE BLUFF, AR	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	10,000	295.60	Y		Oct 2011
8.3) GRENADE, HND, SMK, GREEN (G940)		2012	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	10,000	53.00	Y		Oct 2011
8.6) GRENADE, HND, SMK, YELLO (G945)		2011	PINE BLUFF ARSENAL / PINE BLUFF, AR	MIPR	JMC ROCK ISLAND	Mar 2011	Apr 2012	4,000	56.00	Y		Oct 2010
9.2) MINE AP M18A1WITH SHOCK TUBE (J007)		2012	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	1,400	261.00	Y		Oct 2011

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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 1 / BSA 1				P-1 Line Item Nomenclature: 0335 - Small Arms & Lndg Party Ammo					Item Nomenclature: Small Arms & Lndg Party Ammo			
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
9.3) RIOT CNTRL, CS (K765)		2011	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Mar 2011	Jul 2013	2,500	0.40	Y		Oct 2010
9.3) RIOT CNTRL, CS (K765)		2012	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	3,000	0.33	Y		Oct 2011
10.1) CTG., 12 GA, RUBBER, FIN STAB (AA31)		2012	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	15,000	3.87	Y		Oct 2011
10.2) CTG, 12 GA NO.9 (A017)		2012	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	75,000	0.33	Y		Oct 2011
10.3) CTG, 12 GA NO. 00 (A011)	Y	2010	OLIN CORPORATION / ILLINOIS	MIPR	JMC ROCK ISLAND	Jan 2010	Jul 2010	173,760	0.51	Y		Oct 2009
10.3) CTG, 12 GA NO. 00 (A011)		2011	OLIN CORPORATION / ILLINOIS	MIPR	JMC ROCK ISLAND	Jun 2011	Dec 2011	1,782K	0.52	Y		Oct 2010
10.4) CTG, 12 GA, FRANGIBLE (AA86)		2011	UNKNOWN / UNKNOWN	C / FFP	NSWC CRANE	Jun 2011	Mar 2012	218,600	0.59	Y		Oct 2010
10.4) CTG, 12 GA, FRANGIBLE (AA86)		2012	UNKNOWN / UNKNOWN	C / FFP	NSWC CRANE	Apr 2012	Dec 2012	295,100	0.60	Y		Oct 2011
10.5) CTG, 12 GA WARNING MUNITION (LA51)		2010	COMBINED SYSTEMS INC. / UNKNOWN	C / TBD	NSWC CRANE	Jan 2010	Oct 2010	50,000	7.88	Y		Oct 2009
10.5) CTG, 12 GA WARNING MUNITION (LA51)		2011	COMBINED SYSTEMS INC. / UNKNOWN	C / TBD	NSWC CRANE	Jan 2011	Oct 2011	66,500	8.59	Y		Oct 2010
10.6) CTG, 12 GA WARNING MUNITION (LA52)		2010	COMBINED SYSTEMS INC. / UNKNOWN	C / TBD	NSWC CRANE	Jan 2010	Oct 2010	50,000	8.38	N	Jul 2009	Oct 2009
13.1) CTG, .22 CAL, BALL, LR, MATCH (A097)		2010	FEDERAL CARTRIDGE / MINNESOTA	C / FFP	NSWC CRANE	Sep 2010	Mar 2011	517,000	0.40	Y		Oct 2009
13.1) CTG, .22 CAL, BALL, LR, MATCH (A097)		2011	FEDERAL CARTRIDGE / MINNESOTA	C / FFP	NSWC CRANE	Mar 2011	Mar 2012	50,000	0.10	Y		Oct 2010
13.1) CTG, .22 CAL, BALL, LR, MATCH (A097)		2012	FEDERAL CARTRIDGE / MINNESOTA	C / FFP	NSWC CRANE	Jul 2012	Aug 2012	145,000	0.10	Y		Jan 2012
13.2) CTG, 5.56MM, SPECIAL BALL, MK 262 MOD 1 (AA53)		2010	BLACK HILLS AMMUNITION / UNKNOWN	C / TBD	NSWC CRANE	Mar 2010	Mar 2011	300,000	0.56	Y		Oct 2009
13.2) CTG, 5.56MM, SPECIAL BALL, MK 262 MOD 1 (AA53)		2011	BLACK HILLS AMMUNITION / UNKNOWN	C / TBD	NSWC CRANE	Mar 2011	Mar 2012	325,000	0.57	Y		Oct 2010
13.2) CTG, 5.56MM, SPECIAL BALL, MK 262 MOD 1 (AA53)		2012	BLACK HILLS AMMUNITION / UNKNOWN	C / TBD	NSWC CRANE	Jul 2012	Aug 2012	160,000	0.58	Y		Jan 2012
13.3) CTG., 45 CAL, BALL, M1911, M (A483)		2012	UNKNOWN / UNKNOWN	C / TBD	NSWC CRANE	Jul 2012	Aug 2012	45,000	1.00	Y		Jan 2012
13.4) CTG., 28 GAGE SKEET LOAD, PLASTIC CASE 2 DRAMS EQUIVALENT (A057)		2010	FEDERAL CARTRIDGE / MINNESOTA	C / FFP	NSWC CRANE	Sep 2010	Jan 2011	125,000	0.25	Y		Jul 2010
13.4) CTG., 28 GAGE SKEET LOAD, PLASTIC CASE 2 DRAMS EQUIVALENT (A057)		2011	FEDERAL CARTRIDGE / MINNESOTA	C / FFP	NSWC CRANE	Apr 2011	Aug 2011	125,000	0.26	Y		Jan 2011

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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 1 / BSA 1				P-1 Line Item Nomenclature: 0335 - Small Arms & Lndg Party Ammo						Item Nomenclature: Small Arms & Lndg Party Ammo		
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
13.4) CTG., 28 GAGE SKEET LOAD, PLASTIC CASE 2 DRAMS EQUIVALENT (A057)		2012	FEDERAL CARTRIDGE / MINNESOTA	C / FFP	NSWC CRANE	Apr 2012	Aug 2012	125,000	0.26	Y		Jan 2012
13.5) CTG., 20 GAGE SHOTGUN, SKEET LOAD 2 1/2 DRAMS POWDER EQUIVALENT (A046)		2010	FEDERAL CARTRIDGE / MINNESOTA	C / FFP	NSWC CRANE	Sep 2010	Jan 2011	125,000	0.25	Y		Jul 2010
13.5) CTG., 20 GAGE SHOTGUN, SKEET LOAD 2 1/2 DRAMS POWDER EQUIVALENT (A046)		2011	FEDERAL CARTRIDGE / MINNESOTA	C / CPFF	NSWC CRANE	Apr 2011	Aug 2011	125,000	0.26	Y		Jan 2011
13.5) CTG., 20 GAGE SHOTGUN, SKEET LOAD 2 1/2 DRAMS POWDER EQUIVALENT (A046)		2012	FEDERAL CARTRIDGE / MINNESOTA	C / FFP	NSWC CRANE	Apr 2012	Aug 2012	125,000	0.26	Y		Jan 2012
27.1) FUZE, DELAY M228, F/M 68 HAND GRND (G878)		2012	MARTIN ELECTRONICS, INC.@UNKNOWN / New MFG - Loc	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	4,500	8.00	Y		Oct 2011
27.4) GRENADE, HAND, SMOKE, RED (G950)		2012	UNKNOWN@UNKNOWN / New MFG - Loc	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	12,283	53.00	Y		Oct 2011
28.1) CTG, 9MM BALL (A363)		2012	OLIN CORP / New MFG - Loc	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	12,000K	0.24	Y		Oct 2011
29.1) CTG, 7.62MM BLANK, LINKED (A111)		2012	UNKNOWN@UNKNOWN / New MFG - Loc	MIPR	JMC ROCK ISLAND	Oct 2011	Jul 2012	2,500K	0.81	Y		Jul 2011
29.2) CTG, 7.62MM LNKD, BALL AND TRACER (A131)		2012	UNKNOWN@UNKNOWN / New MFG - Loc	MIPR	JMC ROCK ISLAND	Jan 2012	Oct 2012	8,800K	0.96	Y		Oct 2011
29.3) CTG, 7.62MM BALL LINKED (NO TRACER) (A143)		2012	UNKNOWN@UNKNOWN / New MFG - Loc	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	600,000	0.65	Y		Oct 2011
29.4) CTG, 7.62MM LINKED 9.1 DIM TRACED F/MK 44 (A257)		2012	UNKNOWN@UNKNOWN / New MFG - Loc	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	1,000K	0.78	Y		Oct 2011
30.8) CTG, 5.56MM MARKING, RED (AA12)		2012	ATK LAKE CITY @LAKE CITY / New MFG - Loc	MIPR	JMC ROCK ISLAND	Jan 2012	Sep 2012	600,400	0.46	Y		Oct 2011
31.1) CTG, CAL .50 LINKED BALL (NO TRACER) (A555)		2012	ATK LAKE CITY @LAKE CITY / New MFG - Loc	MIPR	JMC ROCK ISLAND	Jan 2012	Oct 2012	500,000	2.96	Y		Oct 2011
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 1 / BSA 1	P-1 Line Item Nomenclature: 0335 - Small Arms & Lndg Party Ammo	Item Nomenclature: Small Arms & Lndg Party Ammo
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COST ELEMENTS Units in Millions (* = < 500 units)							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			
4.8) CTG, 50 CAL, LKD & TRACER (A557)																																	
	39 ⁽¹⁾	2010	Navy	3.017	-	3.017	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	.251	.251	.251	2.264
	39 ⁽²⁾	2011	Navy	4.1	-	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	4.1
	39 ⁽³⁾	2012	Navy	1.9	-	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	
29.2) CTG, 7.62MM LNKD, BALL AND TRACER (A131)																																	
	40	2012	Navy	8.8	-	8.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.8	
							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 1 / BSA 1 **P-1 Line Item Nomenclature:** 0335 - Small Arms & Lndg Party Ammo **Item Nomenclature:** Small Arms & Lndg Party Ammo

COST ELEMENTS							Fiscal Year 2012														Fiscal Year 2013														Later
Units in Millions (* = < 500 units)							Calendar Year 2012														Calendar Year 2013														
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
4.8) CTG, 50 CAL, LKD & TRACER (A557)																																			
	39 ⁽¹⁾	2010	Navy	3.017	.753	2.264	.251	.252	.252	.252	.252	.252	.252	.252	.249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	39 ⁽²⁾	2011	Navy	4.1	-	4.1	-	-	-	-	-	-	-	-	-	.35	.35	.35	.35	.35	.35	.35	.35	.35	.35	.35	.35	.35	.35	.35	.25	-	-	-	
	39 ⁽³⁾	2012	Navy	1.9	-	1.9	-	-	-	A -	-	-	-	-	-	-	-	-	.25	.25	.25	.25	.25	.25	.25	.25	.15	-	-	-	-	-			
29.2) CTG, 7.62MM LNKD, BALL AND TRACER (A131)																																			
	40	2012	Navy	8.8	-	8.8	-	-	-	A -	-	-	-	-	-	-	-	-	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.65	.65	-	
							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 1 / BSA 1	P-1 Line Item Nomenclature: 0335 - Small Arms & Lndg Party Ammo	Item Nomenclature: Small Arms & Lndg Party Ammo
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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	ATK LAKE CITY - LAKE CITY	-	.006	.02	4	4	9	13	4	4	13	17
2	UNKNOWN@UNKNOWN - New MFG - Loc	-	-	-								

Remarks:
⁽¹⁾FY10 - CTG., 50 CAL, LKD & TRACER (A557) QTY 3,017,400 and deliveries begin June 2011.
⁽²⁾FY11 - CTG., 50 CAL, LKD & TRACER (A557) QTY 4,100,000 and deliveries begin June 2012.
⁽³⁾FY12 - CTG., 50 CAL, LKD & TRACER (A557) QTY 2,600,000 and deliveries begin September 2012.

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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 1 : Proc Ammo, Navy / BSA 1 : Navy Ammunition

P-1 Line Item Nomenclature:
0340 - Pyrotechnic and Demolition

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)	45.285	12.032	12.519	10.199	1.656	11.855	11.327	11.161	12.469	11.941	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	45.285	12.032	12.519	10.199	1.656	11.855	11.327	11.161	12.469	11.941	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	45.285	12.032	12.519	10.199	1.656	11.855	11.327	11.161	12.469	11.941	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

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

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

AJ100 - PROCUREMENT

Procure components, load and assemble complete rounds and conduct acceptance tests. Costs associated with Transportation Account Code (TAC) are for first destination of delivery of production items. Unit costs and quantities will be adjusted during the year of execution.

AJ830 - PRODUCTION ENGINEERING

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

AJ850 - PRODUCT IMPROVEMENT

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

AJ893- RENOVATION COMPONENTS

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

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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 1 : Proc Ammo, Navy / BSA 1 : Navy Ammunition		P-1 Line Item Nomenclature: 0340 - Pyrotechnic and Demolition
ID Code (A=Service Ready, B=Not Service Ready) : A	Related Program Elements:	
<p>AJ894- GAUGE REQUIREMENTS Procure the gauges and test equipments necessary to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and sub-assemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance.</p> <p>AJ895- NON-STANDARD ITEMS The non-standard line is to support procurement of ammunition training aids and initial procurements of required non-type classified munition items.</p> <p>AJG86 - OVERSEAS CONTINGENCY OPERATIONS (OCO) SUPPLEMENTAL Ammunition being procured with OCO funding.</p> <p>AJ101 - SUPPLEMENTAL Ammunition being procured with supplemental funding.</p> <p>AJNSW - PROCUREMENT Procure components, load and assemble complete rounds and conduct acceptance tests. Costs associated with Transportation Account Code (TAC) are for first destination of delivery of production items for Naval Special Warfare service common items. Unit costs and quantities will be adjusted during the year of execution.</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 1 / BSA 1					P-1 Line Item Nomenclature: 0340 - Pyrotechnic and Demolition					Item Nomenclature: Pyrotechnic and Demolition									
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) AJ100 TRANSPORTATION ACCOUNT CODE		-	-	-	-	-	0.200	-	-	0.210	-	-	0.220	-	-	-	-	-	0.220
1.1) TRANSPORTATION ACCOUNT CODE (N87)	A	-	-	-	-	-	-	-	-	0.032	-	-	0.033	-	-	-	-	-	0.033
1.2) TRANSPORTATION ACCOUNT CODE (N86)	A	-	-	-	-	-	0.200	-	-	0.178	-	-	0.187	-	-	-	-	-	0.187
2) AJ100 PE/QA SMCA		-	-	1.948	-	-	0.211	-	-	0.438	-	-	0.150	-	-	-	-	-	0.150
2.1) PE/QA SMCA	A	-	-	1.948	-	-	0.211	-	-	0.438	-	-	0.150	-	-	-	-	-	0.150
3) AJ100 CUTTERS & CARTRIDGES		-	-	1.565	-	-	0.278	-	-	0.016	-	-	3.210	-	-	-	-	-	3.210
† 3.1) "POPPER" BLANK CARTRIDGES (AA64)	A	-	-	-	1.27	5,500	0.007	-	-	-	1.25	4,000	0.005	-	-	-	1.25	4,000	0.005
† 3.2) AVON CARTRIDGES (AA63)	A	-	-	-	-	-	-	5.33	3,000	0.016	5.40	10,000	0.054	-	-	-	5.40	10,000	0.054
† 3.3) BOLT, EXPL, MK5/0 (M254)	A	-	-	0.504	-	-	-	-	-	-	18,600.00	100	1.860	-	-	-	18,600.00	100	1.860
3.4) CARTRIDGE ASSEMBLY (MC91)	A	-	-	0.140	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 3.5) CLAYVON CARTRIDGES (DWER)	A	-	-	-	-	-	-	-	-	-	6.00	3,000	0.018	-	-	-	6.00	3,000	0.018
† 3.6) CTG, 50 CAL BLANK, ELEC, MK20 (SS01)	A	-	-	0.263	173.60	1,515	0.263	-	-	-	182.00	2,000	0.364	-	-	-	182.00	2,000	0.364
3.7) CTG, IMPULSE, MK 148 (M663)	A	-	-	0.112	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
3.8) CTG, IMPULSE, MK 235 (MW97)	A	-	-	0.314	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 3.9) CUTTER, MK20, NON-ELECTRIC IN (SS43)	A	-	-	-	-	-	-	-	-	-	1,392.00	500	0.696	-	-	-	1,392.00	500	0.696
† 3.10) MK 277 ENHANCED BLANK (DWEC)	A	-	-	-	-	-	-	-	-	-	3.60	5,000	0.018	-	-	-	3.60	5,000	0.018
† 3.11) MK 278 BLACK POWDER BLANK (AA66)	A	-	-	-	1.45	5,500	0.008	-	-	-	1.40	5,000	0.007	-	-	-	1.40	5,000	0.007
† 3.12) MK 279 STEEL SLUG (DWED)	A	-	-	-	-	-	-	-	-	-	6.00	5,000	0.030	-	-	-	6.00	5,000	0.030

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1 **P-1 Line Item Nomenclature:** 0340 - Pyrotechnic and Demolition **Item Nomenclature:** Pyrotechnic and Demolition

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
† 3.13) MK 280 ALUMINUM SLUG (DWEE)	A	-	-	-	-	-	-	-	-	-	6.20	5,000	0.031	-	-	-	6.20	5,000	0.031
3.14) SWITCH, SQUIB ACTUATED, MK 11 (M853)	A	-	-	0.040	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 3.15) TITANIUM DISRUPTER CANNON (ST02)	A	-	-	0.192	-	-	-	-	-	-	1,270.00	100	0.127	-	-	-	1,270.00	100	0.127
4) AJ100 DET CORDS, CAPS & FUZES		-	-	17.161	-	-	4.106	-	-	5.625	-	-	1.435	-	-	0.206	-	-	1.641
4.1) ACCESSORY KIT, MK 34 MOD 0 (DWGL)	A	-	-	0.390	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
4.2) BREECH PLUG ASSEMBLY, TITANIUM (DWFL)	A	-	-	0.282	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 4.3) CAP, BLASTING, ELEC, INERT (MP16)	A	-	-	0.049	49.42	3,460	0.171	-	-	-	49.60	2,500	0.124	-	-	-	49.60	2,500	0.124
† 4.4) CAP, BLASTIN, ELECTRIC, MK 17 MOD 1 (DWFP)	A	-	-	1.016	-	-	-	40.11	7,030	0.282	-	-	0.000	-	-	-	-	-	0.000
† 4.5) CAP, BLASTIN, NON-ELEC, INERT (M097)	A	-	-	0.226	-	-	-	-	-	-	-	-	0.000	20.61	10,000	0.206	20.60	10,000	0.206
† 4.6) CAP, BLASTIN, NON-ELEC, M7 (M131)	A	-	-	0.128	-	-	-	-	-	-	11.93	9,891	0.118	-	-	-	11.93	9,891	0.118
4.7) CONNECTOR, DET CORD, PLASTIC (MW49)	A	-	-	0.015	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 4.8) CORD, DETONATING, PRIMACORD (M456)	A	-	-	-	0.53	1,352K	0.717	0.54	500,000	0.270	0.58	589,655	0.342	-	-	-	0.58	589,655	0.342
† 4.9) CORD, DETONATING, REINFORCED (M458)	A	-	-	0.016	-	-	-	0.69	16,000	0.011	-	-	0.000	-	-	-	-	-	0.000
4.10) DET, NON-EL, 50' DUAL, MK 153 (MN51)	A	-	-	0.245	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 4.11) DETONATOR, DEL, 175MS, MK 156 30 FT (DWEJ)	A	-	-	-	-	-	-	16.10	10,000	0.161	-	-	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 1 / BSA 1 **P-1 Line Item Nomenclature:** 0340 - Pyrotechnic and Demolition **Item Nomenclature:** Pyrotechnic and Demolition

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
† 4.12) DETONATOR, DEL, 17MS, MK 158 (DWEL)	A	-	-	-	-	-	-	16.00	3,000	0.048	-	-	0.000	-	-	-	-	-	0.000
† 4.13) DETONATOR, DEL, 200MS, MK 157 (DWEK)	A	-	-	-	-	-	-	16.17	6,000	0.097	-	-	0.000	-	-	-	-	-	0.000
† 4.14) DETONATOR, DEL, 25MS, MK 160 (DWEN)	A	-	-	-	-	-	-	16.00	2,000	0.032	-	-	0.000	-	-	-	-	-	0.000
† 4.15) DETONATOR, DEL, 42MS, MK 159 (DWEM)	A	-	-	-	-	-	-	16.00	3,000	0.048	-	-	0.000	-	-	-	-	-	0.000
4.16) DETONATOR, NON-ELEC, MK 121 (MM58)	A	-	-	1.116	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
4.17) DETONATOR, NON-ELEC, MK 121 (MP17)	A	-	-	0.335	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
4.18) EOD REFILL KIT- LMNS (DWGJ)	A	-	-	0.167	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 4.19) FIRING DEVICE BASE COUPLING (DWHB)	A	-	-	0.485	864.00	250	0.216	-	-	-	904.00	250	0.226	-	-	-	904.00	250	0.226
† 4.20) FIRING DEVICE DEMO MK 67 (MP19)	A	-	-	1.669	-	-	-	20,349.21	126	2.564	-	-	0.000	-	-	-	-	-	0.000
† 4.21) FIRING DEVICE, ACOUSTIC MK 5 (MP23)	A	-	-	1.206	-	-	-	-	-	-	1,510.00	300	0.453	-	-	-	1,510.00	300	0.453
† 4.22) FIRING DEVICE, MK 62 (MN81)	A	-	-	5.642	1,019.38	1,600	1.631	1,043.22	1,180	1.231	-	-	0.000	-	-	-	-	-	0.000
† 4.23) FUZE, BLASTING, TIME (M670)	A	-	-	-	0.43	500,000	0.215	0.51	500,000	0.255	0.44	391,477	0.172	-	-	-	0.44	391,477	0.172
† 4.24) IGNITIER, TIME BLASTING FUZE (MN08)	A	-	-	0.330	5.46	124,350	0.679	8.09	33,500	0.271	-	-	0.000	-	-	-	-	-	0.000
4.25) NON-EL DET W/ IN-LINE INITIATION (MN52)	A	-	-	0.468	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
4.26) RADIO FIRING DEVICE (RFD) MK 186 (ML06)	A	-	-	2.097	-	-	-	-	-	-	-	-	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 1 / BSA 1					P-1 Line Item Nomenclature: 0340 - Pyrotechnic and Demolition					Item Nomenclature: Pyrotechnic and Demolition									
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
4.27) REMOTE FIRING DEVICE, MK 64 MOD (DWFD)	A	-	-	0.590	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
4.28) SQUIB, ELECTRIC, MK 20 (MG61)	A	-	-	0.689	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 4.29) SQUIB, ELECTRONIC, MK 20 MOD 1 (JM94)	A	-	-	-	43.36	11,000	0.477	44.38	8,000	0.355	-	-	0.000	-	-	-	-	-	0.000
4.30) (MN54) DET. NON-EL, 500" DUAL, MK155 (MN54)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
5) MINE CHARGES & CHARGE CUTTERS		-	-	4.074	-	-	2.188	-	-	0.776	-	-	1.281	-	-	0.933	-	-	2.214
† 5.1) CANINE EXPLOSIVE KIT, PART A (MN76)	A	-	-	-	160.00	50	0.008	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 5.2) CANINE EXPLOSIVE KIT, PART B (MN77)	A	-	-	-	205.00	200	0.041	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 5.3) CHG KIT, DML, MK 75 (MW84)	A	-	-	-	1,400.37	537	0.752	-	-	-	1,149.09	550	0.632	1,146.79	218	0.250	1,148.44	768	0.882
5.4) CHG, ASSY, DML, M183/37 (M757)	A	-	-	2.830	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
5.5) CHG, BOOSTER, 20 GM, MK 140 (MM30)	A	-	-	0.079	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 5.6) CHG, DML, BLK, COMP C-4, 1.25 (M023)	A	-	-	0.411	28.52	41,370	1.180	39.86	9,960	0.397	30.82	18,882	0.582	30.87	22,125	0.683	30.85	41,007	1.265
5.7) CHG, DML, BLK, M118, PETN, 2LB (M024)	A	-	-	0.477	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 5.8) CHG, DML, SHAPED, M3, 40 LB (M421)	A	-	-	-	-	-	-	-	-	-	1,367.35	49	0.067	-	-	-	1,367.35	49	0.067
† 5.9) CHG, DML, TNT, 1 LB (M032)	A	-	-	0.230	13.13	4,800	0.063	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 5.10) CHG, DML, XPL ROLL, 11FT (M985)	A	-	-	-	-	-	-	46.20	5,000	0.231	-	-	0.000	-	-	-	-	-	0.000
† 5.11) CHG, DML, XPL ROLL, 25 FT (M981)	A	-	-	-	-	-	-	23.75	4,000	0.095	-	-	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 1 / BSA 1 **P-1 Line Item Nomenclature:** 0340 - Pyrotechnic and Demolition **Item Nomenclature:** Pyrotechnic and Demolition

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
† 5.12) CHG, DML, XPL ROLL, 38 FT, 14 (M980)	A	-	-	-	-	-	-	17.67	3,000	0.053	-	-	0.000	-	-	-	-	-	0.000
† 5.13) DEMO CHG, MK 36/1, INERT (MP01)	A	-	-	0.047	4,920.00	25	0.123	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 5.14) MK 147 BATTERY (CWBD)	A	-	-	-	70.00	300	0.021	-	-	-	-	-	0.000	-	-	-	-	-	0.000
5.15) (M474) CONTAINER, DML CHG, MK-1 (M474)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
5.16) (M475) CONTAINER, DML CHG, MK-2 (M475)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
5.17) (MN70) CUTTER, POWDER ACTUATED MK 23/1 (MN70)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
5.18) (MN71) CUTTER, POWDER ACTUATED MK 24/1	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
6) AJ100 HARDWARE (N87 SPONSOR)		-	-	2.172	-	-	1.416	-	-	0.692	-	-	0.315	-	-	-	-	-	0.315
† 6.1) MARKER, LOCATION, SUB, MK 120/23, GREEN (L259)	A	-	-	-	1,093.33	600	0.656	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 6.2) MARKER, LOCATION, SUB, MK 121 YELLOW (L260)	A	-	-	-	-	-	-	-	-	-	1,145.45	275	0.315	-	-	-	1,145.45	275	0.315
† 6.3) SIG, SMK ILLUM, MAR, MK 117, GREEN (LA26)	A	-	-	0.080	1,625.90	139	0.226	1,082.94	639	0.692	-	-	0.000	-	-	-	-	-	0.000
6.4) SIG, SMK ILLUM, MAR, MK 144/118, YELLOW (LA27)	A	-	-	1.500	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 6.5) MARKER, LOCATION, SUB, MK 140/66, RED (LA28)	A	-	-	0.592	1,114.82	479	0.534	-	-	-	-	-	0.000	-	-	-	-	-	0.000
7) AJ100 PYRO AND DEMO MATERIAL		-	-	0.365	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
7.1) TRANSPORTATION ACCOUNT CODE	A	-	-	0.365	-	-	-	-	-	-	-	-	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 1 / BSA 1 **P-1 Line Item Nomenclature:** 0340 - Pyrotechnic and Demolition **Item Nomenclature:** Pyrotechnic and Demolition

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) AJ100 SHOCK TEST CHARGES		-	-	2.912	-	-	0.705	-	-	0.895	-	-	0.000	-	-	-	-	-	0.000
† 8.1) CHARGE, SHOCK TEST, 60 LB (XW65)	A	-	-	2.912	1,266.26	557	0.705	1,542.69	527	0.813	-	-	0.000	-	-	-	-	-	0.000
8.2) (MM63) CHG, SHOCK TEST, 3500 LB (MM63)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 8.3) SHOCK TEST CHARGE, 320 LB (9W50)	A	-	-	-	-	-	-	8,200.00	10	0.082	-	-	0.000	-	-	-	-	-	0.000
9) AJ100 SIGNALS		-	-	2.421	-	-	-	-	-	0.334	-	-	0.442	-	-	0.312	-	-	0.754
† 9.1) SIGNAL KIT, PERS DISTRESS, MK 79 (L118)	A	-	-	-	-	-	-	83.96	3,978	0.334	-	-	0.000	-	-	-	-	-	0.000
† 9.2) SIGNAL, ILLUM, GROUND, WHITE STAR, M127 (L312)	A	-	-	-	-	-	-	-	-	-	56.67	7,800	0.442	56.73	5,500	0.312	56.69	13,300	0.754
9.3) (DWEF) SIGNAL, SMOKE, MARINE, MK 145 MOD 0 (DWEF)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
9.4) SIG KIT MK 189, MOD 0 (L564)	A	-	-	0.103	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
9.5) (L258) SIGNAL ILLUMINATION, ,L80/0 RED STAR (L258)	A	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
9.6) SIG, SMK ILLUM, MAR, MK 124/13, DISTRESS (L283)	A	-	-	2.318	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
10) TRAINING DEVICES		-	-	0.348	-	-	0.017	-	-	0.171	-	-	0.119	-	-	-	-	-	0.119
† 10.1) SIM, BOOBY TRAP, M118 (L599)	A	-	-	-	11.59	1,500	0.017	-	-	-	-	-	0.000	-	-	-	-	-	0.000
† 10.2) SIM, FLASH, ARTILLERY, M110 (L596)	A	-	-	-	-	-	-	30.92	2,490	0.077	-	-	0.000	-	-	-	-	-	0.000
† 10.3) SIM, HAND GRENADE, M116 (L601)	A	-	-	0.182	-	-	-	-	-	-	18.27	6,512	0.119	-	-	-	18.27	6,512	0.119
† 10.4) SIM, PROJ, GROUND BURST (L594)	A	-	-	0.166	-	-	-	20.43	4,600	0.094	-	-	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 1 / BSA 1					P-1 Line Item Nomenclature: 0340 - Pyrotechnic and Demolition					Item Nomenclature: Pyrotechnic and Demolition										
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	
10.5) (L495) FLARE, SURFACE, TRIP, M49 (L495)	A	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
10.6) (L598) SIM, BOOBY TRAP, M117 (L598)	A	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
11) AJ101 SUPPLEMENTAL		-	-	0.274	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
11.1) NON-EL DET W/ IN-LINE INITIATION (MN52)	A	-	-	0.274	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
12) AJ830 PRODUCTION ENGINEERING		-	-	7.130	-	-	2.016	-	-	2.064	-	-	2.022	-	-	-	-	-	-	2.022
12.1) PRODUCTION ENGINEERING (N86)	A	-	-	7.130	-	-	1.233	-	-	1.097	-	-	0.127	-	-	-	-	-	-	0.127
12.2) PRODUCTION ENGINEERING (N87)	A	-	-	-	-	-	0.774	-	-	0.958	-	-	1.887	-	-	-	-	-	-	1.887
12.3) PRODUCTION ENGINEERING (N85)	A	-	-	-	-	-	0.009	-	-	0.009	-	-	0.008	-	-	-	-	-	-	0.008
13) AJ850 PRODUCT IMPROVEMENT		-	-	4.237	-	-	0.709	-	-	0.662	-	-	0.198	-	-	-	-	-	-	0.198
13.1) PRODUCT IMPROVEMENT (N87)	A	-	-	-	-	-	-	-	-	0.662	-	-	0.101	-	-	-	-	-	-	0.101
13.2) PRODUCT IMPROVEMENT (N86)	A	-	-	4.237	-	-	0.709	-	-	-	-	-	0.097	-	-	-	-	-	-	0.097
14) AJ893 RENOVATION COMPONENTS		-	-	0.399	-	-	0.152	-	-	0.600	-	-	0.050	-	-	-	-	-	-	0.050
14.1) RENOVATION COMPONENTS	A	-	-	0.399	-	-	0.152	-	-	0.600	-	-	0.050	-	-	-	-	-	-	0.050
15) AJ894 GAUGE REQUIREMENTS		-	-	0.074	-	-	0.022	-	-	0.023	-	-	0.003	-	-	-	-	-	-	0.003
15.1) GAUGE REQUIREMENTS	A	-	-	0.074	-	-	0.022	-	-	0.023	-	-	0.003	-	-	-	-	-	-	0.003
16) AJ895 NON- STANDARD		-	-	0.032	-	-	0.012	-	-	0.013	-	-	0.006	-	-	-	-	-	-	0.006
16.1) NON-STANDARD	A	-	-	0.032	-	-	0.012	-	-	0.013	-	-	0.006	-	-	-	-	-	-	0.006
17) AJG86 OVERSEAS CONTINGENCY OPERATIONS		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	0.205	-	-	-	0.205

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Exhibit P-5, Cost Analysis : PB 2012 Navy															Date: February 2011						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1					P-1 Line Item Nomenclature: 0340 - Pyrotechnic and Demolition					Item Nomenclature: Pyrotechnic and Demolition											
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) CHG, DEML, MK 149 MOD 0 LOW HAZARD FLEX LIN SHP	A	-	-	-	-	-	-	-	-	-	-	-	-	0.000	82.00	2,500	0.205	82.00	2,500	0.205	
18) AJNSW DET, CORDS, CAPS, FUZES		-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	0.000
18.1) CHG, DEMO, COMP C-4 M112, 1.25LB (ML03)	A	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	0.000
18.2) CHG, BOOSTER, 20 GM, MK 140 (MM30)	A	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	0.000
18.3) IGNITER, TIME BLASTING FUZE (MN08)	A	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	0.000
18.4) DET, NON-EL, 50' DUAL, MK153 (MN51)	A	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	0.000
18.5) NON-EL DET W/ IN-TIME INITIATOR (MN52)	A	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	0.000
18.6) DET NON-EL, 500" DUAL, MK 155 (MN54)	A	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	0.000
19) AJNSW MINE CHARGERS & CHARGE CUTTERS		-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	0.000
19.1) CHG, DML, BLK, COMP C-4, 1.25 (M023)	A	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	0.000
20) AJNSW TRAINING DEVICES		-	-	-	-	-	-	-	-	-	-	-	-	0.748	-	-	-	-	-	-	0.748
† 20.1) SIM, HAND GERNADE, M116 (L601)	A	-	-	-	-	-	-	-	-	-	18.27	40,941	0.748	-	-	-	-	18.27	40,941	0.748	
20.2) FLARE, SURFACE TRIP M49 (L495)	A	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	0.000
21) AJNSW SIGNALS		-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	0.000
21.1) SIGNAL, ILLUMINATION, GRND RED/STR PARA (L311)	A	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	0.000
21.2) SIGNAL, ILLUMINATION, GRND GRN/STR CL (L314)	A	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	0.000
22) GW1X1-DET CORDS, CPAS & FUZES		-	-	0.122	-	-	-	-	-	-	-	-	-	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 1 / BSA 1 **P-1 Line Item Nomenclature:** 0340 - Pyrotechnic and Demolition **Item Nomenclature:** Pyrotechnic and Demolition

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) NON-EL DET W/ IN-LINE INITIATOR (MN52)	A	-	-	0.122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
23) WAXXX ACQUISITION WORKFORCE FUND-2009		-	-	0.051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
23.1) ACQUISITION WORKFORCE FUND-2009	A	-	-	0.051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
Gross/Weapon System Cost		-	-	45.285	-	-	12.032	-	-	12.519	-	-	10.199	-	-	1.656	-	-	11.855
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	45.285	-	-	12.032	-	-	12.519	-	-	10.199	-	-	1.656	-	-	11.855
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	45.285	-	-	12.032	-	-	12.519	-	-	10.199	-	-	1.656	-	-	11.855
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 1 / BSA 1				P-1 Line Item Nomenclature: 0340 - Pyrotechnic and Demolition					Item Nomenclature: Pyrotechnic and Demolition			
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
3.1) "POPPER" BLANK CARTRIDGES (AA64)		2010	UNKNOWN / UNKNOWN	C / FFP	NSWC CRANE	Mar 2011	May 2012	5,500	1.27	Y		Oct 2010
3.1) "POPPER" BLANK CARTRIDGES (AA64)		2012	UNKNOWN / UNKNOWN	C / FFP	NSWC CRANE	Apr 2012	Jun 2013	4,000	1.25	Y		Oct 2011
3.2) AVON CARTRIDGES (AA63)	Y	2011	UNKNOWN / UNKNOWN	C / CPFF	NSWC CRANE	May 2011	May 2011	3,000	5.33	Y		Mar 2011
3.2) AVON CARTRIDGES (AA63)		2012	UNKNOWN / UNKNOWN	C / CPFF	NSWC CRANE	Apr 2012	Jan 2013	10,000	5.40	Y		Oct 2010
3.3) BOLT, EXPL, MK5/0 (M254)		2012	UNKNOWN / UNKNOWN	C / CPFF	NSWC IH	Apr 2012	Feb 2013	100	18,600.00	Y		Oct 2011
3.5) CLAYVON CARTRIDGES (DWER)		2012	UNKNOWN / UNKNOWN	C / CPFF	NSWC CRANE	Apr 2012	Jan 2013	3,000	6.00	Y		Oct 2011
3.6) CTG, 50 CAL BLANK, ELEC, MK20 (SS01)		2010	UNKNOWN / UNKNOWN	C / CPFF	NSWC CRANE	Aug 2011	Aug 2012	1,515	173.60	N	Feb 2011	May 2011
3.6) CTG, 50 CAL BLANK, ELEC, MK20 (SS01)		2012	UNKNOWN / UNKNOWN	C / CPFF	NSWC CRANE	Apr 2012	Apr 2013	2,000	182.00	N	Feb 2011	May 2011
3.9) CUTTER, MK20, NON-ELECTRIC IN (SS43)		2012	UNKNOWN / UNKNOWN	C / FFP	NSWC IH	Apr 2012	Oct 2013	500	1,392.00	N	Jul 2011	Oct 2011
3.10) MK 277 ENHANCED BLANK (DWEC)		2012	UNKNOWN / UNKNOWN	C / TBD	NSWC CRANE	Apr 2012	Apr 2013	5,000	3.60	N	Jul 2011	Oct 2011
3.11) MK 278 BLACK POWDER BLANK (AA66)		2010	UNKNOWN / UNKNOWN	C / FFP	NSWC CRANE	Mar 2011	Dec 2011	5,500	1.45	Y		Oct 2010
3.11) MK 278 BLACK POWDER BLANK (AA66)		2012	UNKNOWN / UNKNOWN	C / FFP	NSWC CRANE	Apr 2012	Jan 2013	5,000	1.40	Y		Oct 2010
3.12) MK 279 STEEL SLUG (DWED)		2012	UNKNOWN / UNKNOWN	C / FFP	NSWC CRANE	Apr 2012	Apr 2013	5,000	6.00	N	Jul 2011	Oct 2011
3.13) MK 280 ALUMINUM SLUG (DWEE)		2012	UNKNOWN / UNKNOWN	C / FFP	NSWC CRANE	Apr 2012	Apr 2013	5,000	6.20	N	Jul 2011	Oct 2011
3.15) TITANIUM DISRUPTER CANNON (ST02)		2012	UNKNOWN / UNKNOWN	C / FFP	NSWC CRANE	Apr 2012	Jan 2013	100	1,270.00	N	Jul 2011	Oct 2011
4.3) CAP, BLASTING, ELEC, INERT (MP16)		2010	STRESAU LABS / New MFG - Loc	SS / CPFF	NSWC CRANE	Apr 2010	Apr 2011	3,460	49.42	Y		Oct 2008
4.3) CAP, BLASTING, ELEC, INERT (MP16)		2012	STRESAU LABS / New MFG - Loc	SS / CPFF	NSWC CRANE	Jan 2012	Jan 2013	2,500	49.60	Y		Oct 2008
4.4) CAP, BLASTIN, ELECTRIC, MK 17 MOD 1 (DWFP)		2011	STRESAU LABS / New MFG - Loc	SS / CPFF	NSWC CR	Jan 2011	Jul 2012	7,030	40.11	Y		Oct 2008
4.5) CAP, BLASTIN, NON-ELEC, INERT (M097)	Y	2012	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Mar 2012	Jan 2013	10,000	20.61	N	Jun 2011	Oct 2011
4.6) CAP, BLASTIN, NON-ELEC, M7 (M131)		2012	STRESAU LABS / New MFG - Loc	MIPR	JMC ROCK ISLAND	Apr 2012	Feb 2013	9,891	11.93	Y		Oct 2009
4.8) CORD, DETONATING, PRIMACORD (M456)		2010	ENSIGN BICKFORD / New MFG - Loc	MIPR	JMC ROCK ISLAND	Dec 2009	Jul 2010	852,000	0.53	Y		Oct 2009
4.8) CORD, DETONATING, PRIMACORD (M456)	Y	2010	ENSIGN BICKFORD / New MFG - Loc	MIPR	JMC ROCK ISLAND	Mar 2010	Oct 2010	500,000	0.53	Y		Oct 2009

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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 1 / BSA 1			P-1 Line Item Nomenclature: 0340 - Pyrotechnic and Demolition						Item Nomenclature: Pyrotechnic and Demolition			
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
4.8) CORD, DETONATING, PRIMACORD (M456)	Y	2011	ENSIGN BICKFORD / New MFG - Loc	MIPR	JMC ROCK ISLAND	Mar 2011	Oct 2011	500,000	0.54	Y		Oct 2009
4.8) CORD, DETONATING, PRIMACORD (M456)		2012	ENSIGN BICKFORD / New MFG - Loc	MIPR	JMC ROCK ISLAND	Mar 2012	Oct 2012	589,655	0.58	Y		Oct 2009
4.9) CORD, DETONATING, REINFORCED (M458)		2011	ENSIGN BICKFORD / New MFG - Loc	MIPR	JMC ROCK ISLAND	Mar 2011	Oct 2011	16,000	0.69	Y		Oct 2009
4.11) DETONATOR, DEL, 175MS, MK 156 30 FT (DWEJ)		2011	UNKNOWN / UNKNOWN	C / CPFF	NSWC CRANE	Mar 2011	Mar 2012	10,000	16.10	Y		Oct 2010
4.12) DETONATOR, DEL, 17MS, MK 158 (DWEL)		2011	UNKNOWN / UNKNOWN	C / CPFF	NSWC CRANE	Mar 2011	Mar 2012	3,000	16.00	Y		Oct 2010
4.13) DETONATOR, DEL, 200MS, MK 157 (DWEK)		2011	UNKNOWN / UNKNOWN	C / CPFF	NSWC CRANE	Mar 2011	Mar 2012	6,000	16.17	Y		Oct 2010
4.14) DETONATOR, DEL, 25MS, MK 160 (DWEN)		2011	UNKNOWN / UNKNOWN	C / FFP	NSWC CRANE	Mar 2011	Mar 2012	2,000	16.00	Y		Oct 2010
4.15) DETONATOR, DEL, 42MS, MK 159 (DWEM)		2011	UNKNOWN / UNKNOWN	C / CPFF	NSWC CRANE	Mar 2011	Mar 2012	3,000	16.00	Y		Oct 2010
4.19) FIRING DEVICE BASE COUPLING (DWHB)	Y	2010	REYNOLDS INDUSTRIES / New MFG - Loc	C / CPFF	NSWC CRANE	Jan 2010	Jan 2011	250	864.00	Y		Oct 2009
4.19) FIRING DEVICE BASE COUPLING (DWHB)		2012	UNKNOWN / UNKNOWN	C / CPFF	NSWC CRANE	Apr 2012	Apr 2013	250	904.00	Y		Oct 2011
4.20) FIRING DEVICE DEMO MK 67 (MP19)		2011	ROTHENBUHLER ENGINEERING / New MFG - Loc	C / IDIQ	NSWC CRANE	Mar 2011	Mar 2012	126	20,349.21	Y		Oct 2007
4.21) FIRING DEVICE, ACOUSTIC MK 5 (MP23)		2012	HI-SHEAR TECH / New MFG - Loc	SS / CPFF	NSWC CRANE	Jan 2012	Jul 2013	300	1,510.00	Y		Oct 2008
4.22) FIRING DEVICE, MK 62 (MN81)		2010	AMTEC CORPORATION / JANESVILLE, WI	SS / CPFF	NSWC CRANE	Mar 2011	Jun 2012	1,600	1,019.38	Y		Oct 2005
4.22) FIRING DEVICE, MK 62 (MN81)		2011	AMTEC CORPORATION / JANESVILLE, WI	SS / CPFF	NSWC CRANE	Mar 2011	Jun 2012	1,180	1,043.22	Y		Oct 2005
4.23) FUZE, BLASTING, TIME (M670)		2010	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	May 2011	Mar 2012	500,000	0.43	Y		Mar 2011
4.23) FUZE, BLASTING, TIME (M670)	Y	2011	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	May 2011	Mar 2012	500,000	0.51	Y		Mar 2011
4.23) FUZE, BLASTING, TIME (M670)		2012	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Mar 2012	Jan 2013	391,477	0.44	Y		Mar 2011
4.24) IGNITIER, TIME BLASTING FUZE (MN08)		2010	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Mar 2010	Jan 2011	53,550	5.46	Y		Oct 2009
4.24) IGNITIER, TIME BLASTING FUZE (MN08)	Y	2010	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Mar 2010	Jan 2011	70,800	5.47	Y		Oct 2009
4.24) IGNITIER, TIME BLASTING FUZE (MN08)	Y	2011	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Oct 2010	Aug 2011	33,500	8.09	Y		Oct 2009

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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 1 / BSA 1				P-1 Line Item Nomenclature: 0340 - Pyrotechnic and Demolition					Item Nomenclature: Pyrotechnic and Demolition			
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
4.29) SQUIB, ELECTRONIC, MK 20 MOD 1 (JM94)		2010	UNKNOWN / UNKNOWN	C / CPFF	NSWC CRANE	Jun 2011	Jun 2012	11,000	43.36	Y		Feb 2011
4.29) SQUIB, ELECTRONIC, MK 20 MOD 1 (JM94)		2011	UNKNOWN / UNKNOWN	C / CPFF	NSWC CRANE	Jun 2011	Jun 2012	8,000	44.38	Y		Feb 2011
5.1) CANINE EXPLOSIVE KIT, PART A (MN76)		2010	NSWC YKT DETACHMENT / New MFG - Loc	C / CPFF	NSWC YORKTOWN	Mar 2010	Mar 2011	50	160.00	Y		Oct 2009
5.2) CANINE EXPLOSIVE KIT, PART B (MN77)		2010	NSWC YKT DETACHMENT / New MFG - Loc	C / CPFF	NSWC YORKTOWN	Mar 2010	Mar 2011	200	205.00	Y		Oct 2009
5.3) CHG KIT, DML, MK 75 (MW84)		2010	ENSIGN BICKFORD / New MFG - Loc	MIPR	JMC ROCK ISLAND	May 2011	Jun 2012	537	1,400.37	Y		Oct 2009
5.3) CHG KIT, DML, MK 75 (MW84)		2012	ENSIGN BICKFORD / New MFG - Loc	MIPR	JMC ROCK ISLAND	Mar 2012	Apr 2013	550	1,149.09	Y		Oct 2009
5.3) CHG KIT, DML, MK 75 (MW84)	Y	2012	ENSIGN BICKFORD / New MFG - Loc	MIPR	JMC ROCK ISLAND	Mar 2012	Apr 2013	218	1,146.79	Y		Oct 2009
5.6) CHG, DML, BLK, COMP C-4, 1.25 (M023)		2010	AMERICAN ORDANCE / New MFG - Loc	MIPR	JMC ROCK ISLAND	Mar 2010	Mar 2011	23,460	28.52	N	Jul 2009	Oct 2009
5.6) CHG, DML, BLK, COMP C-4, 1.25 (M023)	Y	2010	AMERICAN ORDANCE / New MFG - Loc	MIPR	JMC ROCK ISLAND	Mar 2010	Mar 2011	17,910	28.54	Y		Oct 2009
5.6) CHG, DML, BLK, COMP C-4, 1.25 (M023)	Y	2011	AMERICAN ORDANCE / New MFG - Loc	MIPR	JMC ROCK ISLAND	Mar 2011	Mar 2012	9,960	39.86	Y		Oct 2009
5.6) CHG, DML, BLK, COMP C-4, 1.25 (M023)		2012	AMERICAN ORDANCE / New MFG - Loc	MIPR	JMC ROCK ISLAND	Mar 2012	Mar 2013	18,882	30.82	Y		Oct 2009
5.6) CHG, DML, BLK, COMP C-4, 1.25 (M023)	Y	2012	AMERICAN ORDANCE / New MFG - Loc	MIPR	JMC ROCK ISLAND	Mar 2012	Mar 2013	22,125	30.87	Y		Oct 2009
5.8) CHG, DML, SHAPED, M3, 40 LB (M421)		2012	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Oct 2011	Aug 2012	49	1,367.35	Y		Oct 2010
5.9) CHG, DML, TNT, 1 LB (M032)	Y	2010	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Jun 2011	Apr 2012	4,800	13.13	N	Jul 2009	Oct 2009
5.10) CHG, DML, XPL ROLL, 11FT (M985)		2011	ENSIGN BICKFORD / New MFG - Loc	MIPR	JMC ROCK ISLAND	Mar 2011	Jan 2012	5,000	46.20	Y		Oct 2008
5.11) CHG, DML, XPL ROLL, 25 FT (M981)		2011	ENSIGN BICKFORD / New MFG - Loc	MIPR	JMC ROCK ISLAND	Mar 2011	Jan 2012	4,000	23.75	Y		Oct 2008
5.12) CHG, DML, XPL ROLL, 38 FT, 14 (M980)		2011	ENSIGN BICKFORD / New MFG - Loc	MIPR	JMC ROCK ISLAND	Mar 2011	Feb 2012	3,000	17.67	Y		Oct 2008
5.13) DEMO CHG, MK 36/1, INERT (MP01)		2010	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	MIPR	JMC ROCK ISLAND	Mar 2010	Jan 2011	25	4,920.00	Y		Oct 2009
5.14) MK 147 BATTERY (CWBD)		2010	UNKNOWN / UNKNOWN	C / TBD	NSWC CRANE	Mar 2011	Mar 2012	300	70.00	Y		Jan 2011
6.1) MARKER, LOCATION, SUB, MK 120/23, GREEN (L259)		2010	UNKNOWN / UNKNOWN	C / TBD	NSWC CRANE	Jun 2011	Jun 2012	600	1,093.33	Y		Mar 2011

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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 1 / BSA 1	P-1 Line Item Nomenclature: 0340 - Pyrotechnic and Demolition	Item Nomenclature: Pyrotechnic and Demolition
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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
6.2) MARKER, LOCATION, SUB, MK 121 YELLOW (L260)		2012	UNKNOWN / UNKNOWN	C / TBD	NSWC CRANE	Jun 2012	Jun 2013	275	1,145.45	Y		Mar 2011
6.3) SIG, SMK ILLUM, MAR, MK 117, GREEN (LA26)		2010	UNKNOWN / UNKNOWN	C / TBD	NSWC CRANE	Jun 2011	Jun 2012	139	1,625.90	Y		Mar 2011
6.3) SIG, SMK ILLUM, MAR, MK 117, GREEN (LA26)		2011	UNKNOWN / UNKNOWN	C / TBD	NSWC CRANE	Jun 2011	Jun 2012	639	1,082.94	Y		Mar 2011
6.5) MARKER, LOCATION, SUB, MK 140/66, RED (LA28)		2010	UNKNOWN / UNKNOWN	C / TBD	NSWC CRANE	Jun 2011	Jun 2012	479	1,114.82	Y		Mar 2011
8.1) CHARGE, SHOCK TEST, 60 LB (XW65)		2011	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	May 2011	May 2012	527	1,542.69	Y		Oct 2010
8.1) CHARGE, SHOCK TEST, 60 LB (XW65)		2010	NSWC YKT DETACHMENT / New MFG - Loc	MIPR	JMC ROCK ISLAND	May 2010	May 2011	557	1,266.26	Y		Oct 2009
8.3) SHOCK TEST CHARGE, 320 LB (9W50)		2011	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	May 2011	Jul 2012	10	8,200.00	Y		Oct 2010
9.1) SIGNAL KIT, PERS DISTRESS, MK 79 (L118)		2011	UNKNOWN / UNKNOWN	C / TBD	NSWC CRANE	Jul 2011	Jul 2011	3,978	83.96	Y		Apr 2011
9.2) SIGNAL, ILLUM, GROUND, WHITE STAR, M127 (L312)		2012	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Mar 2012	Mar 2013	7,800	56.67	N	Jul 2011	Oct 2011
9.2) SIGNAL, ILLUM, GROUND, WHITE STAR, M127 (L312)	Y	2012	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Mar 2012	Mar 2013	5,500	56.73	N	Jul 2011	Oct 2011
10.1) SIM, BOOBY TRAP, M118 (L599)		2010	BULVOA TECH.ORD.SYSTEMS / New MFG - Loc	MIPR	JMC ROCK ISLAND	Mar 2010	Apr 2011	1,500	11.59	Y		Oct 2009
10.2) SIM, FLASH, ARTILLERY, M110 (L596)		2011	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Aug 2011	Sep 2012	2,490	30.92	Y		Oct 2010
10.3) SIM, HAND GRENADE, M116 (L601)		2012	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Mar 2012	Mar 2013	6,512	18.27	N	Jun 2010	Oct 2011
10.4) SIM, PROJ, GROUND BURST (L594)		2011	UNKNOWN / UNKNOWN	MIPR	JMC ROCK ISLAND	Mar 2011	Mar 2012	4,600	20.43	Y		Oct 2010
17.1) CHG, DEML, MK 149 MOD 0 LOW HAZARD FLEX LIN SHP	Y	2012	DONOVAN INDUSTRIES / New MFG - Loc	SS / IDIQ	NSWC CRANE	Mar 2012	Jun 2013	2,500	82.00	Y		Oct 2008
20.1) SIM, HAND GERNADE, M116 (L601)		2012	UNKNOWN / New MFG - Loc	MIPR	JMC ROCK ISLAND	Mar 2012	Mar 2012	40,941	18.27	N	Jun 2010	Oct 2011

Remarks:

NOTE: All items shown are priced with available Government Furnished Manufacturer (GFM).
 FY10: AA64 and AA66 originally planned navy small procurement in FY10 with Single Manager Conventional Ammunition (SMCA) procurement in FY11. SMCA refused to accept transition due to a sole source issue. Navy will now procure AA64 and AA66 via IDIQ contract in FY11. FY10 quantities will be included in FY11 contract.
 FY10: SS01-contract award is delayed pending Product Improvement Program (PIP) completion.
 FY10: LA26 and LA28-Original plan was to procure through SMCA. The SMCA refused to procure these items this year due to transition issues. The revised procurement will be with Navy 2011.
 FY10: L259-Contract award is pending PIP completion and these funds will be placed on the same contract as the LA26 and LA28.

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1 **P-1 Line Item Nomenclature:** 0340 - Pyrotechnic and Demolition **Item Nomenclature:** Pyrotechnic and Demolition

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													
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
4.22) FIRING DEVICE, MK 62 (MN81)																																	
	41	2010	Navy	1.6	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6				
5.3) CHG KIT, DML, MK 75 (MW84)																																	
	42	2010	Navy	.537	-	.537	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.537					
5.14) MK 147 BATTERY (CWBD)																																	
	43	2010	Navy	.3	-	.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.3					
							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 1 / BSA 1	P-1 Line Item Nomenclature: 0340 - Pyrotechnic and Demolition	Item Nomenclature: Pyrotechnic and Demolition
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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					
4.22) FIRING DEVICE, MK 62 (MN81)																																			
	41	2010	Navy	1.6	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	-	-	-	-
5.3) CHG KIT, DML, MK 75 (MW84)																																			
	42	2010	Navy	.537	-	.537	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.537	-	-	-	-	-
5.14) MK 147 BATTERY (CWBD)																																			
	43	2010	Navy	.3	-	.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.3	-	-	-	-	-
							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 1 / BSA 1	P-1 Line Item Nomenclature: 0340 - Pyrotechnic and Demolition	Item Nomenclature: Pyrotechnic and Demolition

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	AMTEC CORPORATION - JANESVILLE, WI	.5	2	5	6	6	15	21	6	6	15	21
2	ENSIGN BICKFORD - New MFG - Loc	-	-	-	6	6	13	19	6	6	13	19
3	UNKNOWN - UNKNOWN	-	-	-	6	6	12	18	6	6	12	18

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 1 : Proc Ammo, Navy / BSA 1 : Navy Ammunition	P-1 Line Item Nomenclature: 0400 - Ammunition less than \$5 million
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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)	28.918	3.204	4.105	4.107	6.000	10.107	4.184	3.242	3.299	3.348	Continuing	Continuing
Less PY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	28.918	3.204	4.105	4.107	6.000	10.107	4.184	3.242	3.299	3.348	Continuing	Continuing
Plus CY Advanced Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	28.918	3.204	4.105	4.107	6.000	10.107	4.184	3.242	3.299	3.348	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

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

The LUU-19 aircraft parachute flare, a new start for FY 2012, is used for near infrared nighttime illumination of surface areas in search and attack operations. They are 36 inches long, 4.9 inches in diameter and weigh approximately 36 pounds and provide 7 minutes illumination at approximately 650 watts/steradian in the infrared region.

The FY 2012 baseline provides funding for MK-58 marine location marker, LUU-19 parachute flares procurement, and other support costs which include procurement of non-standard items, renovation components, and Product Improvement Program (PIP) efforts. The PIP efforts are required to improve the safety and reliability of marine location markers and parachute flares.

The FY 2012 Overseas Contingency Operations (OCO) funding (\$6M) provides approximately 3,823 LUU-19 aircraft parachute flares and associated support costs.

Remarks:

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N / BA 1 / BSA 1 **P-1 Line Item Nomenclature:** 0400 - Ammunition less than \$5 million **Item Nomenclature:** Ammunition less than \$5 million

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) HARDWARE		-	-	16.219	-	-	1.967	-	-	3.503	-	-	3.409	-	-	5.925	-	-	9.334
† 1.1) (A5010) MK-58 MARINE LOCATION MARKERS ⁽¹⁾	A	-	-	16.219	379.00	5,190	1.967	420.02	8,340	3.503	439.98	7,464	3.284	-	-	-	439.98	7,464	3.284
† 1.2) (A5011) LUU-19 PARAFLARES ⁽²⁾	A	-	-	-	-	-	-	-	-	-	1,557.38	61	0.095	1,549.83	3,823	5.925	1,549.95	3,884	6.020
1.3) (A5894) Miscellaneous ⁽³⁾	A	-	-	-	-	-	-	-	-	-	-	-	0.030	-	-	-	-	-	0.030
2) PRODUCTION SUPPORT		-	-	12.699	-	-	1.237	-	-	0.602	-	-	0.698	-	-	0.075	-	-	0.773
2.1) (A5820) Mk-58 Marine Location Marker Support	A	-	-	12.699	-	-	1.237	-	-	0.602	-	-	0.693	-	-	-	-	-	0.693
2.2) (A5820) LUU-19 Paraflares Support	A	-	-	-	-	-	-	-	-	-	-	-	0.005	-	-	0.075	-	-	0.080
Gross/Weapon System Cost		-	-	28.918	-	-	3.204	-	-	4.105	-	-	4.107	-	-	6.000	-	-	10.107
Less PY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1)		-	-	28.918	-	-	3.204	-	-	4.105	-	-	4.107	-	-	6.000	-	-	10.107
Plus CY Advanced Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority		-	-	28.918	-	-	3.204	-	-	4.105	-	-	4.107	-	-	6.000	-	-	10.107
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:

- (1) Unit Cost is dependant on total quantities from the USCG and USN.
- (2) Unit Cost is dependant on total quantities from the USAF and USN.
- (3) Miscellaneous includes non-standard items and renovation components.

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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 1 / BSA 1				P-1 Line Item Nomenclature: 0400 - Ammunition less than \$5 million						Item Nomenclature: Ammunition less than \$5 million		
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) (A5010) MK-58 MARINE LOCATION MARKERS		2009	KILGORE FLARES / TOONE, TN	SS / FFP	NAVAIR Patuxent River, MD	Mar 2009	Mar 2010	6,356	365.98	Y		Jan 2007
1.1) (A5010) MK-58 MARINE LOCATION MARKERS		2010	KILGORE FLARES / TOONE, TN	SS / FFP	NAVAIR Patuxent River, MD	Mar 2010	Mar 2011	5,190	379.00	Y		Jan 2007
1.1) (A5010) MK-58 MARINE LOCATION MARKERS		2011	KILGORE FLARES / TOONE, TN	SS / FFP	NAVAIR Patuxent River, MD	Mar 2011	Mar 2012	8,340	420.02	Y		Jan 2007
1.1) (A5010) MK-58 MARINE LOCATION MARKERS		2012	KILGORE FLARES / TOONE, TN	SS / FFP	NAVAIR Patuxent River, MD	Mar 2012	Mar 2013	7,464	439.98	Y		Jan 2007
1.2) (A5011) LUU-19 PARAFLARES		2012	ATK / Brigham, UTAH	SS / FFP	NAVAIR Patuxent River, MD	Mar 2012	Mar 2013	61	1,557.38	Y		Jan 2007
1.2) (A5011) LUU-19 PARAFLARES	Y	2012	ATK / Brigham, UTAH	SS / FFP	NAVAIR Patuxent River, MD	Mar 2012	Mar 2013	3,823	1,549.83	Y		Jan 2007
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 1 / BSA 1	P-1 Line Item Nomenclature: 0400 - Ammunition less than \$5 million	Item Nomenclature: Ammunition less than \$5 million
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COST ELEMENTS Units in Each							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					
1.2) (A5011) LUU-19 PARAFIARES																																			
	44	2012	Navy	61	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61						
x	44	2012	Navy	3823	-	3823	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3823						
							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 1 / BSA 1	P-1 Line Item Nomenclature: 0400 - Ammunition less than \$5 million	Item Nomenclature: Ammunition less than \$5 million
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COST ELEMENTS Units in Each							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						
1.2) (A5011) LUU-19 PARAFIARES																																				
	44	2012	Navy	61	-	61	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	5	5	5	5	5	5	25	
x	44	2012	Navy	3823	-	3823	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	319	319	319	319	319	319	319	1590	
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S						
							C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	D	E	A	E	A	P	A	U	U	U	E				
							T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P						

