Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0145 / General Purpose Bombs

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:							Other Related Program Elements:				
Resource Summary	**Prior Years**	**FY 2014**	**FY 2015**	**FY 2016 Base**	**FY 2016 OCO**	**FY 2016 Total**	**FY 2017**	**FY 2018**	**FY 2019**	**FY 2020**	**To Complete**	**Total**
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	1,975.263	49.127	86.943	101.238	9.715	110.953	100.525	93.905	95.350	89.559	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	1,975.263	49.127	86.943	101.238	9.715	110.953	100.525	93.905	95.350	89.559	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,975.263**	**49.127**	**86.943**	**101.238**	**9.715**	**110.953**	**100.525**	**93.905**	**95.350**	**89.559**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The General Purpose bombs program fulfills tactical fleet requirements to engage defined target sets through procurement and sustainment of High Explosive bombs and components. Funds procure on-going technology integration to optimize the production and capability of products within the Direct Attack Weapons (DAW) portfolio. Inventory levels fluctuate year to year based on changes to the Total Munitions Requirement (TMR) and inventory objective. Component acquisition is performed by Navy contracting via the Joint Munitions Command (JMC).

[P5 / Q2191 BLU-111]: The BLU-111 is a 500 lb General Purpose Thermally Protected Bomb that is loaded with plastic bonded explosive (PBXN-109) to enhance its insensitive munitions performance.

[P5 / Q2192 BLU-110]: The BLU-110 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.

[P5 / Q2199 BLU-109]: 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.

[P5 / Q2197 Bombs Subcomponents]: This cost element procures bomb subcomponents including arming wires, adapters, lugs, nose plugs and other components required for All Up Round (AUR) configurations.

[P5 / Q2200 Direct Attack Moving Target Capability (DAMTC)]: DAMTC is a capability, when combined with a Joint Direct Attack Munition (JDAM) converts the weapon it into a LASER JDAM. (The various components that comprise a JDAM are procured individually under this budget.) The LASER JDAM can prosecute stationary and maneuvering targets. GPS/INS provides an adverse weather capability against stationary targets and the laser sensor provides both GPS-denied capability and maneuvering target capability. Subsequent to initial delivery an Adjustable Proximity Sensor (APS) was added to the system to provide an airburst capability. DAMTC differs from other Laser Guided Bombs in that it was designed to address moving targets.

[P5 / Q2181 Laser Guided Bombs CCG (Raytheon)]: Provides the capability to transform a general purpose bomb into a precision laser guided weapon.

[P5 / Q2181 Laser Guided Bombs CCG (Lockheed)]: Provides the capability to transform a general purpose bomb into a precision laser guided weapon.

[P5 / Q2186 Guided Bombs Tailkits]: Provides a guidance capability that converts unguided general purpose bombs into accurate precision guided weapons capable of attacking a wide range of stationary, moving and maneuvering targets.

[P5 / Q2187 Laser Guided Bombs AFG (Raytheon)]: Provides guidance capability that convert general purpose bombs into accurate laser guided weapons.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	P-1 Line Item Number / Title: 0145 / General Purpose Bombs	
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:

[P5 / Q2187 Laser Guided Bombs AFG (Lockheed)]: Provides guidance capability that convert general purpose bombs into accurate laser guided weapons.

[P5 / Q2220 BLU-109 Laser Capability]: BLU-109 Laser capability modifies and modernizes the existing BLU-109 by implementing an existing Semi-Active Laser sensor on the BLU-109.

[P5 / Q2895 BLU-109 Laser Capability Non Recurring]: Provides the non-recurring engineering required to modify the sensor interface with BLU-109 Laser Capability. The PLGS is a semi-active laser sensor that detects and characterizes laser designation angle of arrival and then sends this information to the guided bomb tailkit. This modification will enable the BLU-109 to take advantage of an already demonstrated capability on the F/A-18 for other classes of weapons. The NRE effort is required to modify, produce and certify the BLU-109 PLGS configuration. The certification will include verification and validation of the hardware to include: First Article Testing, Carrier Suitability, Captive carriage and Flight testing, Live Drops, Integrated Logistics Assessments, System Verification and Production Readiness Reviews. This modification will integrate the existing PLGS onto the BLU-109 via a new mechanical interface and will modify the existing attaching hardware to accommodate the larger diameter bomb.

[P5 / Fuzes Cost]: Provides fuzes and fuzing systems for munitions.

[P5 / Q2896 FUZE Non Recurring]: Provides the non-recurring engineering associated with FUZE capability.

[P5 / Q2850 Product Improvement Program (PIP)]: Provides for modifications and upgrades to General Purpose bombs programs. Efforts include configuration changes involving production, engineering, manufacturing, installation and testing that increases system or combat effectiveness to extend the useful military life of an item, and/or to improve the item within the current performance envelope.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0145 / General Purpose Bombs
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**
Other Related Program Elements:	

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost *(Each) / ($ M)*	Quantity / Total Cost *(Each) / ($ M)*	Quantity / Total Cost *(Each) / ($ M)*	Quantity / Total Cost *(Each) / ($ M)*	Quantity / Total Cost *(Each) / ($ M)*	Quantity / Total Cost *(Each) / ($ M)*
1 / GP Bomb	P-5, P-5a, P-21		- / 1,975.263	- / 49.127	- / 86.943	- / 101.238	- / 9.715	- / 110.953
Total Gross/Weapon System Cost			**- / 1,975.263**	**- / 49.127**	**- / 86.943**	**- / 101.238**	**- / 9.715**	**- / 110.953**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
FY 2016 baseline funding is required to meet Naval Munitions Requirements Process (NMRP) inventory requirements. The increase from FY 2015 to FY 2016 is for the Non Recurring Engineering (NRE) in support of the Laser capability requirements.

This budget supports critical Navy Title 10 war reserve/operational, training and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and OPNAV INST 8011.9 (Navy Munitions Requirements Process). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces. Test requirements support the verification, fielding, safety and quality assurance of Navy weapons and equipment throughout their life cycle.

Annual Non-Combat Expenditure Allowance (NCEA) prepares Naval Aviation units for deployment and is the largest cause of current and future General Purpose (GP) bombs procurement. NCEA utilization of GP bombs in support of Fleet readiness continues every year. Procurements are primarily designed to replenish the weapons used each year to achieve required readiness levels. Unlike procurement of capital assets, a large percentage of GP weapons are consumed in annual fleet training expenditures; thereby reducing the ability to simply adjust procurements a year in response to budget reductions. Barring a reduction in fleet training expenditures and the correlating readiness degradation, any reductions in GP bombs procurements in a given year will have to be made up with increased procurements in the out years to restore inventory to a level adequate to support NCEA and fleet readiness.

OCO:
FY 2016 Overseas Contingency Operations (OCO) funding is required to replenish components that were expended in direct support of combat operations. These operations were in support of Operation Enduring Freedom - Afghanistan between January 2013 and December 2013 and Operation Inherent Resolve between January 2014 and December 2014.

The increase from FY 2015 OCO funding to FY 2016 is due to an increase in expenditures of the FMU-139. Additional funding was received for expenditures in support of Operation Inherent Resolve between January 2014 and September 2014.

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0145 / General Purpose Bombs	**Item Number / Title [DODIC]:** 1 / GP Bomb
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	1,975.263	49.127	86.943	101.238	9.715	110.953
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	1,975.263	49.127	86.943	101.238	9.715	110.953
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,975.263**	**49.127**	**86.943**	**101.238**	**9.715**	**110.953**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - GP Bombs Cost																		
Recurring Cost																		
1.1.1) Q2191 BLU-111(†) (1)	3,574.37	7,530	26.915	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) Q2192 BLU-110 (2)	11,488.55	131	1.505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) Q2199 BLU-109(†) (3)	28,949.30	710	20.554	25,510.00	196	5.000	25,995.00	506	13.153	-	-	-	-	-	-	-	-	-
1.1.4) Q2197 Bombs Subcomponents	-	-	1.603	-	-	1.233	-	-	1.255	-	-	1.258	-	-	-	-	-	1.258
Subtotal: Recurring Cost	-	-	*50.577*	-	-	*6.233*	-	-	*14.408*	-	-	*1.258*	-	-	-	-	-	*1.258*
Subtotal: Hardware - GP Bombs Cost	-	-	*50.577*	-	-	*6.233*	-	-	*14.408*	-	-	*1.258*	-	-	-	-	-	*1.258*
Hardware - Guided Bombs Cost																		
Recurring Cost																		
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC)(†)	11,424.17	5,750	65.689	14,625.00	395	5.777	14,400.00	2,232	32.141	14,688.04	960	14.101	14,688.04	71	1.043	14,688.04	1,031	15.144
2.1.2) Q2181 Laser Guided Bombs CCG (Raytheon)	10,000.00	1,296	12.960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.3) Q2181 Laser Guided Bombs CCG (Lockheed)	-	-	19.440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0145 / General Purpose Bombs	Item Number / Title [DODIC]: 1 / GP Bomb
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
Cost Elements	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
2.1.4) Q2186 Guided Bombs Tailkits(†) (4)	-	-	-	24,000.00	991	23.784	24,480.85	658	16.108	24,947.85	795	19.834	24,947.85	172	4.291	24,947.85	967	24.125
2.1.5) Q2187 Laser Guided Bombs AFG (Raytheon)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.6) Q2187 Laser Guided Bombs AFG (Lockheed)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.7) Q2220 BLU-109 Laser Capability	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*98.092*	-	-	*29.561*	-	-	*48.249*	-	-	*33.935*	-	-	*5.334*	-	-	*39.269*
Non Recurring Cost																		
2.2.1) Q2895 BLU-109 Laser Capability Non Recurring (5)	-	-	-	-	-	-	-	-	-	-	-	25.984	-	-	-	-	-	25.984
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	*25.984*	-	-	-	-	-	*25.984*
Subtotal: Hardware - Guided Bombs Cost	-	-	*98.092*	-	-	*29.561*	-	-	*48.249*	-	-	*59.919*	-	-	*5.334*	-	-	*65.253*
Hardware - Fuzes Cost Cost																		
Recurring Cost																		
3.1.1) Q2196 FMU-143(†)	1,524.20	5,330	8.124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.2) Q2032 FMU-139 Electrical Fuze(†) (6)	1,072.71	41,866	44.910	2,400.00	1,844	4.426	2,351.00	1,078	2.534	2,398.02	3,678	8.820	2,398.02	1,827	4.381	2,398.02	5,505	13.201
3.1.3) Q2210 Hard Target Void Sensing Fuze(†) (7)	-	-	-	-	-	-	20,872.00	50	1.044	19,493.33	450	8.772	-	-	-	19,493.33	450	8.772
Subtotal: Recurring Cost	-	-	*53.034*	-	-	*4.426*	-	-	*3.578*	-	-	*17.592*	-	-	*4.381*	-	-	*21.973*
Non Recurring Cost																		
3.2.1) Q2896 FUZE Non Recurring (8)	-	-	-	-	-	-	-	-	6.783	-	-	9.547	-	-	-	-	-	9.547
3.2.2) Q2861 Production Acceptance Test & Evaluation FUZE (9)	-	-	-	-	-	-	-	-	-	-	-	3.363	-	-	-	-	-	3.363
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	*6.783*	-	-	*12.910*	-	-	-	-	-	*12.910*

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0145 / General Purpose Bombs	Item Number / Title [DODIC]: 1 / GP Bomb
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Hardware - Fuzes Cost Cost	-	-	*53.034*	-	-	*4.426*	-	-	*10.361*	-	-	*30.502*	-	-	*4.381*	-	-	*34.883*
Hardware - Acceptance Testing - Guided Bombs Cost																		
Recurring Cost																		
4.1.1) Q2860 Production Acceptance Test & Evaluation Guided Bombs	-	-	22.178	-	-	-	-	-	1.356	-	-	1.383	-	-	-	-	-	1.383
Subtotal: Recurring Cost	-	-	*22.178*	-	-	-	-	-	*1.356*	-	-	*1.383*	-	-	-	-	-	*1.383*
Subtotal: Hardware - Acceptance Testing - Guided Bombs Cost	-	-	*22.178*	-	-	-	-	-	*1.356*	-	-	*1.383*	-	-	-	-	-	*1.383*
Hardware - Prior Years Cost																		
Non Recurring Cost																		
5.1.1) Prior Years Cumulative Funding	-	-	1,679.690	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	*1,679.690*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Prior Years Cost	-	-	*1,679.690*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Integrated Logistics Cost																		
6.1) Q2800 GP Bombs	-	-	1.388	-	-	0.390	-	-	0.230	-	-	0.233	-	-	-	-	-	0.233
6.2) Q2800 Guided Bombs	-	-	1.819	-	-	0.393	-	-	0.305	-	-	0.309	-	-	-	-	-	0.309
6.3) Q2800 Fuzes	-	-	0.841	-	-	0.290	-	-	0.239	-	-	0.243	-	-	-	-	-	0.243
Subtotal: Support - Integrated Logistics Cost	-	-	*4.048*	-	-	*1.073*	-	-	*0.774*	-	-	*0.785*	-	-	-	-	-	*0.785*
Support - Production Engineering Cost																		
7.1) Q2830 GP Bombs	-	-	16.930	-	-	1.833	-	-	1.324	-	-	1.336	-	-	-	-	-	1.336
7.2) Q2830 Guided Bombs	-	-	21.622	-	-	2.523	-	-	3.026	-	-	3.080	-	-	-	-	-	3.080
7.3) Q2830 Fuzes	-	-	9.886	-	-	2.309	-	-	2.060	-	-	2.098	-	-	-	-	-	2.098
Subtotal: Support - Production Engineering Cost	-	-	*48.438*	-	-	*6.665*	-	-	*6.410*	-	-	*6.514*	-	-	-	-	-	*6.514*
Support - Miscellaneous Support Cost																		
8.1) Q2850 Product Improvement Program (PIP)	-	-	16.683	-	-	0.490	-	-	4.671	-	-	0.152	-	-	-	-	-	0.152

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0145 / General Purpose Bombs	Item Number / Title [DODIC]: 1 / GP Bomb
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
8.2) Q2892 Non-Standard Items	-	-	0.847	-	-	0.229	-	-	0.237	-	-	0.241	-	-	-	-	-	0.241
8.3) Q2893 Renovation Components	-	-	0.826	-	-	0.218	-	-	0.223	-	-	0.226	-	-	-	-	-	0.226
8.4) Q2894 Gaging	-	-	0.850	-	-	0.232	-	-	0.254	-	-	0.259	-	-	-	-	-	0.259
Subtotal: Support - Miscellaneous Support Cost	-	-	*19.206*	-	-	*1.169*	-	-	*5.385*	-	-	*0.878*	-	-	-	-	-	*0.878*
Gross/Weapon System Cost	**-**	**-**	**1,975.263**	**-**	**-**	**49.127**	**-**	**-**	**86.943**	**-**	**-**	**101.238**	**-**	**-**	**9.715**	**-**	**-**	**110.953**

Remarks:

[Hardware] FY16-FY20 funding reduced significantly effecting all Guided Bomb assets.

(†) indicates the presence of a P-5a

Footnotes:

(1) Due to a lower NMRP requirement for BLU-111s funding was realigned in FY15 for higher priority requirements. Q2191 BLU-111 realigned to Q2199 BLU-109 and Q2896 Fuze non-recurring.

(2) Due to a lower NMRP requirement for BLU-110s funding was realigned in FY14 and FY15 for higher priority requirements. In FY14 Q2192 BLU-110 funds realigned to Q2032 FMU-139 and in FY15 Q2192 BLU-110 funds realigned to Q2199 BLU-109.

(3) Due to a lower NMRP requirement for BLU-109 funding was realigned across the FYDP for higher priority requirements: FY15 Q2192 BLU-110 and Q2191 BLU-111 funds were realigned to Q2199 BLU-109. FY16 Q2199 BLU-109 re-aligned to Q2210 HTVSF to procure Hard Target Void Sensing Fuze (HTVSF) Full Rate Production (FRP) QTYs and Q2861 Production Acceptance Test & Evaluation FUZE for testing of the FMU-139 D/B.

(4) Guided Bombs Tailkits were reduced due to Congressional action in FY15. Contract is on target to award in June 2015.

(5) The NRE effort is required to modify, produce and certify the BLU-109 PLGS configuration.

(6) Due to a slip in MS C for Q2210 HTVSF FY14 funding was realigned to procure Q2032 FMU-139. In FY15 Q2032 FMU-139 was reduced due to a Congressional reduction. Contract is on target to award March 2015. Remaining funding in FY15 is OCO funding.

(7) HTVSF MS C changed to March 2015, in order to complete OT testing. HTVSF is a joint program which requires the certification of both USAF and USN to approve the completion of joint testing requirements. Due to this delay the program has realigned funding to accommodate higher priorities until the program meets MS C in March 2015. These alignments are as follows: The FY14 funding under Q2210 HTVSF was realigned to Q2032 FMU-139. FY15 a portion of funding under Q2210 HTVSF was re-aligned to Q2896 FUZE NRE; Q2210 HTVSF will retain some funding to procure LRIP QTYs. FY16 funding realigned from Q2199 BLU-109 to Q2210 HTVSF to procure Full Rate Production QTYs.

(8) FY15 Non-Recurring Engineering (NRE) efforts for the FMU-139 D/B are required to modify the performance specifications to address emergent requirements for the Serial Data Interface (SDI), hardened target capability and deletion of dated fuzing approaches driving substantial algorithm and test requirements.

(9) HTVSF MS C slipped to March 2015. Production Acceptance Test and Evaluation (PAT&E) is required for deliveries that will occur in FY16.

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0145 / General Purpose Bombs	Item Number / Title [DODIC]: 1 / GP Bomb

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Q2191 BLU-111(†)		2012	General Dynamics BLU-111 / Garland, TX/MCAAP	C / FP	JMC Rock Island, IL	Jul 2014	Jul 2017	200	6,655.00	Y		Jun 2014
1.1.3) Q2199 BLU-109(†)		2012 (10)	National Forge BLU-109 / Irving, PA/MCAPP	C / FP	JMC Rock Island, IL	May 2012	Nov 2016	301	32,746.21	Y		Dec 2009
1.1.3) Q2199 BLU-109(†)		2013	National Forge BLU-109 / Irving, PA/MCAPP	C / FP	JMC Rock Island, IL	May 2014	Oct 2017	35	31,250.00	Y		Dec 2013
1.1.3) Q2199 BLU-109(†)		2014	National Forge BLU-109 / Irving, PA/MCAPP	C / FP	JMC Rock Island, IL	May 2014	Oct 2017	196	25,510.00	Y		Dec 2013
1.1.3) Q2199 BLU-109(†)		2015	National Forge BLU-109 / Irving, PA/MCAPP	C / FP	JMC Rock Island, IL	May 2015	May 2018	506	25,995.00	Y		Dec 2014
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC)(†)	✓	2014	The Boeing Company / St. Charles, MO	C / FP	NAVAIR, Pax River, MD	Feb 2014	Mar 2015	395	14,625.00	Y		Oct 2008
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC)(†)		2015 (11)	The Boeing Company / St. Charles, MO	C / FP	NAVAIR, Pax River, MD	Jun 2015	Jun 2016	2,139	14,400.00	Y		Oct 2008
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC)(†)	✓	2015	The Boeing Company / St. Charles, MO	C / FP	NAVAIR, Pax River, MD	Jun 2015	Jun 2016	93	14,400.00	Y		Oct 2008
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC)(†)		2016	The Boeing Company / St. Charles, MO	C / FP	NAVAIR, Pax River, MD	Mar 2016	Mar 2017	960	14,688.04	Y		Mar 2015
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC)(†)	✓	2016	The Boeing Company / St. Charles, MO	C / FP	NAVAIR, Pax River, MD	Mar 2016	Mar 2017	71	14,688.04	Y		Mar 2015
2.1.4) Q2186 Guided Bombs Tailkits(†)		2014 (12)	The Boeing Company Guided Bombs (Tailkits) / St. Charles, MO	C / FP	Hill AFB, UT	Oct 2014	Oct 2015	809	24,000.00	Y		Oct 2013
2.1.4) Q2186 Guided Bombs Tailkits(†)	✓	2014	The Boeing Company Guided Bombs (Tailkits) / St. Charles, MO	C / FP	Hill AFB, UT	Oct 2014	Oct 2015	182	24,000.00	Y		Oct 2013
2.1.4) Q2186 Guided Bombs Tailkits(†)		2015 (13)	The Boeing Company Guided Bombs (Tailkits) / St. Charles, MO	C / TBD	Hill AFB, UT	Jun 2015	Jun 2016	506	24,480.85	Y		Oct 2013
2.1.4) Q2186 Guided Bombs Tailkits(†)	✓	2015	The Boeing Company Guided Bombs (Tailkits) / St. Charles, MO	C / TBD	Hill AFB, UT	Jun 2015	Jun 2016	152	24,480.85	Y		Oct 2013
2.1.4) Q2186 Guided Bombs Tailkits(†)		2016	The Boeing Company Guided Bombs (Tailkits) / St. Charles, MO	C / TBD	Hill AFB, UT	Jun 2016	Jun 2017	795	24,947.85	Y		Oct 2014
2.1.4) Q2186 Guided Bombs Tailkits(†)	✓	2016	The Boeing Company Guided Bombs (Tailkits) / St. Charles, MO	C / TBD	Hill AFB, UT	Jun 2016	Jun 2017	172	24,947.85	Y		Oct 2014
3.1.1) Q2196 FMU-143(†)		2011 (14)	ATK Tactical Systems (143) / JMC Rock Island, IL	C / FP	JMC Rock Island, IL	Sep 2012	Sep 2016	3,205	2,534.79	Y		Jun 2011
3.1.2) Q2032 FMU-139 Electrical Fuze(†)		2009	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINATTI, OH	SS / FP	NAVAIR, Pax River, MD	Sep 2011	Sep 2015	11,454	1,827.05	Y		Jan 2009

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
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Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.1.2) Q2032 FMU-139 Electrical Fuze(†)	✓	2013 (15)	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINATTI, OH	SS / FFP	NAVAIR, Pax River, MD	Sep 2014	Sep 2016	7,200	2,400.00	Y		Mar 2014
3.1.2) Q2032 FMU-139 Electrical Fuze(†)		2014	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINATTI, OH	SS / FFP	NAVAIR, Pax River, MD	Mar 2015	Mar 2017	1,317	2,400.00	Y		Mar 2014
3.1.2) Q2032 FMU-139 Electrical Fuze(†)	✓	2014	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINATTI, OH	SS / FFP	NAVAIR, Pax River, MD	Sep 2014	Sep 2016	527	2,400.00	Y		Mar 2014
3.1.2) Q2032 FMU-139 Electrical Fuze(†)	✓	2015	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINATTI, OH	SS / FFP	NAVAIR, Pax River, MD	Mar 2015	Mar 2017	1,078	2,351.00	Y		Mar 2014
3.1.2) Q2032 FMU-139 Electrical Fuze(†)		2016	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINATTI, OH	SS / FFP	NAVAIR, Pax River, MD	Mar 2016	Mar 2018	3,678	2,398.02	Y		Mar 2014
3.1.2) Q2032 FMU-139 Electrical Fuze(†)	✓	2016	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINATTI, OH	SS / FFP	NAVAIR, Pax River, MD	Mar 2016	Mar 2018	1,827	2,398.02	Y		Mar 2014
3.1.3) Q2210 Hard Target Void Sensing Fuze(†)		2015 (16)	ATK Tactical Systems (HTVSF) / Keyser, WV	C / FFP	Eglin AFB, FL	Apr 2015	Apr 2016	50	20,872.00	Y		Nov 2012
3.1.3) Q2210 Hard Target Void Sensing Fuze(†)		2016	ATK Tactical Systems (HTVSF) / Keyser, WV	C / FFP	Eglin AFB, FL	May 2016	May 2017	450	19,493.33	Y		Nov 2012

(†) indicates the presence of a P-21

Footnotes:

(10) The delay in FY12 and FY13 receipt of the BLU-109 bombs from May 2017 to Oct 2017 has been driven by the backlog of work at the MCAAP (GOGO). The primary driver of the delay is three fold: annual procurements exceeding the facility capacity, rework efforts due to Insensitive Munition (IM) and Lot Acceptance Test failures

(11) Due to the delays in the requirements documentation the award date has slipped from March 2015 to June 2015. This will not affect the FY16 contract award. USAF deliveries will occur during Navy production break.

(12) The Secretary of Acquisition for the USAF denied the request to waive the TINA requirement for the Guided bomb Tail kit contract. As a result, the USAF awarded a UCA for the FY14 procurement in Oct 2014 and the order will definitize by 30 April 2015.

(13) The USAF award of a LOT 19-22 Guided Bomb Tail kit contract is pending supplier commerciality determination. Planned award is June 2015. A contingency to hold to this schedule and mitigate disruption of production schedule is an award of an FY15 UCA.

(14) The change in the FMU-143 delivery date from September 2015 to September of 2016 is due to FUZE qualification failures.

(15) Due to delays in the contract negotiations the award date has slipped from July 2014 to September 2014.

(16) The FY15 contract award moved from May 2015 to April 2015 due to slide of MS C.

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0145 / General Purpose Bombs	Item Number / Title [DODIC]: 1 / GP Bomb

Cost Elements (Units in Thousands)							Fiscal Year 2011												Fiscal Year 2012											
							Calendar Year 2011												Calendar Year 2012											
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2010	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	BAL
1.1.1) Q2191 BLU-111 (1)																														
Prior Years Deliveries: 7330																														
	1	2012	NAVY	.200 (17)	-	.200																								.200
1.1.3) Q2199 BLU-109 (3)																														
Prior Years Deliveries: 374																														
	2	2012	NAVY	.301 (18)	-	.301																			A -	-	-	-	-	.301
	2	2013	NAVY	.035 (19)	-	.035																								.035
	2	2014	NAVY	.196	-	.196																								.196
	2	2015	NAVY	.506	-	.506																								.506
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC)																														
Prior Years Deliveries: 5750																														
✓	3	2014	NAVY	.395	-	.395																								.395
	3	2015	NAVY	2.139	-	2.139																								2.139
✓	3	2015	NAVY	.093	-	.093																								.093
	3	2016	NAVY	.960	-	.960																								.960
✓	3	2016	NAVY	.071	-	.071																								.071
2.1.4) Q2186 Guided Bombs Tailkits (4)																														
	4	2014	NAVY	.809 (20)	-	.809																								.809
✓	4	2014	NAVY	.182	-	.182																								.182
	4	2015	NAVY	.506	-	.506																								.506
✓	4	2015	NAVY	.152	-	.152																								.152
	4	2016	NAVY	.795	-	.795																								.795
✓	4	2016	NAVY	.172	-	.172																								.172
3.1.1) Q2196 FMU-143																														
Prior Years Deliveries: 2125																														
	5	2011	NAVY	3.205	-	3.205																							A -	3.205
3.1.2) Q2032 FMU-139 Electrical Fuze (6)																														
Prior Years Deliveries: 23212																														
	6	2009	NAVY	11.454	-	11.454												A -	-	-	-	-	-	-	-	-	-	-	-	11.454
✓	6	2013	NAVY	7.200 (21)	-	7.200																								7.200
	6	2014	NAVY	1.317	-	1.317																								1.317
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0145 / General Purpose Bombs	Item Number / Title [DODIC]: 1 / GP Bomb

Cost Elements (Units in Thousands)							Fiscal Year 2011												Fiscal Year 2012											
							Calendar Year 2011												Calendar Year 2012											
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2010	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	BAL
✓	6	2014	NAVY	.527	-	.527																								.527
✓	6	2015	NAVY	1.078	-	1.078																								1.078
	6	2016	NAVY	3.678	-	3.678																								3.678
✓	6	2016	NAVY	1.827	-	1.827																								1.827
3.1.3) Q2210 Hard Target Void Sensing Fuze [(7)]																														
	7	2015	NAVY	.050	-	.050																								.050
	7	2016	NAVY	.450	-	.450																								.450
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0145 / General Purpose Bombs	Item Number / Title [DODIC]: 1 / GP Bomb

Cost Elements (Units in Thousands)							Fiscal Year 2013												Fiscal Year 2014											
							Calendar Year 2013												Calendar Year 2014											
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	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	BAL
1.1.1) Q2191 BLU-111 (1)																														
Prior Years Deliveries: 7330																														
	1	2012	NAVY	.200 (17)	-	.200																					A -	-	-	.200
1.1.3) Q2199 BLU-109 (3)																														
Prior Years Deliveries: 374																														
	2	2012	NAVY	.301 (18)	-	.301	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.301
	2	2013	NAVY	.035 (19)	-	.035																				A -	-	-	-	.035
	2	2014	NAVY	.196	-	.196																				A -	-	-	-	.196
	2	2015	NAVY	.506	-	.506																								.506
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC)																														
Prior Years Deliveries: 5750																														
✓	3	2014	NAVY	.395	-	.395																	A -	-	-	-	-	-	-	.395
	3	2015	NAVY	2.139	-	2.139																								2.139
✓	3	2015	NAVY	.093	-	.093																								.093
	3	2016	NAVY	.960	-	.960																								.960
✓	3	2016	NAVY	.071	-	.071																								.071
2.1.4) Q2186 Guided Bombs Tailkits (4)																														
	4	2014	NAVY	.809 (20)	-	.809																								.809
✓	4	2014	NAVY	.182	-	.182																								.182
	4	2015	NAVY	.506	-	.506																								.506
✓	4	2015	NAVY	.152	-	.152																								.152
	4	2016	NAVY	.795	-	.795																								.795
✓	4	2016	NAVY	.172	-	.172																								.172
3.1.1) Q2196 FMU-143																														
Prior Years Deliveries: 2125																														
	5	2011	NAVY	3.205	-	3.205	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.205
3.1.2) Q2032 FMU-139 Electrical Fuze (6)																														
Prior Years Deliveries: 23212																														
	6	2009	NAVY	11.454	-	11.454	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.454
✓	6	2013	NAVY	7.200 (21)	-	7.200																							A -	7.200
	6	2014	NAVY	1.317	-	1.317																								1.317
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0145 / General Purpose Bombs	Item Number / Title [DODIC]: 1 / GP Bomb

Cost Elements (Units in Thousands)							Fiscal Year 2013												Fiscal Year 2014											
							Calendar Year 2013															Calendar Year 2014									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	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	BAL
✓	6	2014	NAVY	.527	-	.527																							A -	.527
✓	6	2015	NAVY	1.078	-	1.078																								1.078
	6	2016	NAVY	3.678	-	3.678																								3.678
✓	6	2016	NAVY	1.827	-	1.827																								1.827
3.1.3) Q2210 Hard Target Void Sensing Fuze [(7)]																														
	7	2015	NAVY	.050	-	.050																								.050
	7	2016	NAVY	.450	-	.450																								.450
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0145 / General Purpose Bombs	Item Number / Title [DODIC]: 1 / GP Bomb

Cost Elements (Units in Thousands)							Fiscal Year 2015												Fiscal Year 2016											
							Calendar Year 2015												Calendar Year 2016											
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	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	BAL
1.1.1) Q2191 BLU-111 (1)																														
Prior Years Deliveries: 7330																														
	1	2012	NAVY	.200 (17)	-	.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.200
1.1.3) Q2199 BLU-109 (3)																														
Prior Years Deliveries: 374																														
	2	2012	NAVY	.301 (18)	-	.301	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.301
	2	2013	NAVY	.035 (19)	-	.035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.035
	2	2014	NAVY	.196	-	.196	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.196
	2	2015	NAVY	.506	-	.506								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.506
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC)																														
Prior Years Deliveries: 5750																														
✓	3	2014	NAVY	.395	-	.395	-	-	-	-	-	.026	.032	.032	.033	.034	.034	.034	.034	.034	.034	.034	.034								-
	3	2015	NAVY	2.139	-	2.139									A -	-	-	-	-	-	-	-	-	-	-	-	.160	.160	.160	.170	1.489
✓	3	2015	NAVY	.093	-	.093									A -	-	-	-	-	-	-	-	-	-	-	-	.093				-
	3	2016	NAVY	.960	-	.960																		A -	-	-	-	-	-	-	.960
✓	3	2016	NAVY	.071	-	.071																		A -	-	-	-	-	-	-	.071
2.1.4) Q2186 Guided Bombs Tailkits (4)																														
	4	2014	NAVY	.809 (20)	-	.809	A -	-	-	-	-	-	-	-	-	-	-	-	.809												-
✓	4	2014	NAVY	.182	-	.182	A -	-	-	-	-	-	-	-	-	-	-	-	.082	.100											-
	4	2015	NAVY	.506	-	.506									A -	-	-	-	-	-	-	-	-	-	-	-	.070	.100	.100	.100	.136
✓	4	2015	NAVY	.152	-	.152									A -	-	-	-	-	-	-	-	-	-	-	-	.052	.100			-
	4	2016	NAVY	.795	-	.795																					A -	-	-	-	.795
✓	4	2016	NAVY	.172	-	.172																					A -	-	-	-	.172
3.1.1) Q2196 FMU-143																														
Prior Years Deliveries: 2125																														
	5	2011	NAVY	3.205	-	3.205	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.267	2.938
3.1.2) Q2032 FMU-139 Electrical Fuze (6)																														
Prior Years Deliveries: 23212																														
	6	2009	NAVY	11.454	-	11.454	-	-	-	-	-	-	-	-	-	-	-	1.695	1.753	1.793	2.685	1.794	1.734								-
✓	6	2013	NAVY	7.200 (21)	-	7.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.400	4.800
	6	2014	NAVY	1.317	-	1.317						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.317
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0145 / General Purpose Bombs	**Item Number / Title [DODIC]:** 1 / GP Bomb

Cost Elements (Units in Thousands)							Fiscal Year 2015												Fiscal Year 2016										
							Calendar Year 2015												Calendar Year 2016										
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	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	BAL
✓	6	2014	NAVY	.527	-	.527	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.527	-
✓	6	2015	NAVY	1.078	-	1.078						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.078
	6	2016	NAVY	3.678	-	3.678																		A -	-	-	-	-	-	-	3.678
✓	6	2016	NAVY	1.827	-	1.827																		A -	-	-	-	-	-	-	1.827
3.1.3) Q2210 Hard Target Void Sensing Fuze [7]																														
	7	2015	NAVY	.050	-	.050							A -	-	-	-	-	-	-	-	-	-	-	-	.010	.010	.010	.010	.010		-
	7	2016	NAVY	.450	-	.450																				A -	-	-	-	-	.450
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0145 / General Purpose Bombs	Item Number / Title [DODIC]: 1 / GP Bomb

Cost Elements (Units in Thousands)							Fiscal Year 2017												Fiscal Year 2018												
							Calendar Year 2017												Calendar Year 2018												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	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	BAL
1.1.1) Q2191 BLU-111 [1]																															
Prior Years Deliveries: 7330																															
	1	2012	NAVY	.200 [17]	-	.200	-	-	-	-	-	-	-	-	-	.200															-
1.1.3) Q2199 BLU-109 [3]																															
Prior Years Deliveries: 374																															
	2	2012	NAVY	.301 [18]	-	.301	-	.301																							-
	2	2013	NAVY	.035 [19]	-	.035	-	-	-	-	-	-	-	-	-	-	-	-	.035												-
	2	2014	NAVY	.196	-	.196	-	-	-	-	-	-	-	-	-	-	-	-	.196												-
	2	2015	NAVY	.506	-	.506	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.100	.100	.100	.100	.106	-
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC)																															
Prior Years Deliveries: 5750																															
✓	3	2014	NAVY	.395	.395	-																									-
	3	2015	NAVY	2.139	.650	1.489	.180	.180	.180	.189	.190	.190	.190	.190																	-
✓	3	2015	NAVY	.093	.093	-																									-
	3	2016	NAVY	.960	-	.960	-	-	-	-	-	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080								-
✓	3	2016	NAVY	.071	-	.071	-	-	-	-	-	.071																			-
2.1.4) Q2186 Guided Bombs Tailkits [4]																															
	4	2014	NAVY	.809 [20]	.809	-																									-
✓	4	2014	NAVY	.182	.182	-																									-
	4	2015	NAVY	.506	.370	.136	.136																								-
✓	4	2015	NAVY	.152	.152	-																									-
	4	2016	NAVY	.795	-	.795	-	-	-	-	-	-	-	-	.795																-
✓	4	2016	NAVY	.172	-	.172	-	-	-	-	-	-	-	-	.172																-
3.1.1) Q2196 FMU-143																															
Prior Years Deliveries: 2125																															
	5	2011	NAVY	3.205	.267	2.938	.267	.267	.267	.267	.267	.267	.267	.267	.267	.267	.268														-
3.1.2) Q2032 FMU-139 Electrical Fuze [6]																															
Prior Years Deliveries: 23212																															
	6	2009	NAVY	11.454	11.454	-																									-
✓	6	2013	NAVY	7.200 [21]	2.400	4.800	2.400	2.400																							-
	6	2014	NAVY	1.317	-	1.317	-	-	-	-	-	1.317																			-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0145 / General Purpose Bombs	Item Number / Title [DODIC]: 1 / GP Bomb

Cost Elements (Units in Thousands)							Fiscal Year 2017												Fiscal Year 2018											
							Calendar Year 2017												Calendar Year 2018											
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	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	BAL
✓	6	2014	NAVY	.527	.527	-																								-
✓	6	2015	NAVY	1.078	-	1.078	-	-	-	-	-	.200	.200	.200	.200	.200	.078														-
	6	2016	NAVY	3.678	-	3.678	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.306	.306	.306	.306	.306	.306	.306	1.536
✓	6	2016	NAVY	1.827	-	1.827	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.827							-
3.1.3) Q2210 Hard Target Void Sensing Fuze [7]																														
	7	2015	NAVY	.050	.050	-																								-
	7	2016	NAVY	.450	-	.450	-	-	-	-	-	-	-	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.010						-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0145 / General Purpose Bombs	Item Number / Title [DODIC]: 1 / GP Bomb

Cost Elements (Units in Thousands)							Fiscal Year 2019												Fiscal Year 2020												
							Calendar Year 2019												Calendar Year 2020												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	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	BAL
1.1.1) Q2191 BLU-111 (1)																														
Prior Years Deliveries: 7330																														
	1	2012	NAVY	.200 (17)	.200	-																								-
1.1.3) Q2199 BLU-109 (3)																														
Prior Years Deliveries: 374																														
	2	2012	NAVY	.301 (18)	.301	-																								-
	2	2013	NAVY	.035 (19)	.035	-																								-
	2	2014	NAVY	.196	.196	-																								-
	2	2015	NAVY	.506	.506	-																								-
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC)																														
Prior Years Deliveries: 5750																														
✓	3	2014	NAVY	.395	.395	-																								-
	3	2015	NAVY	2.139	2.139	-																								-
✓	3	2015	NAVY	.093	.093	-																								-
	3	2016	NAVY	.960	.960	-																								-
✓	3	2016	NAVY	.071	.071	-																								-
2.1.4) Q2186 Guided Bombs Tailkits (4)																														
	4	2014	NAVY	.809 (20)	.809	-																								-
✓	4	2014	NAVY	.182	.182	-																								-
	4	2015	NAVY	.506	.506	-																								-
✓	4	2015	NAVY	.152	.152	-																								-
	4	2016	NAVY	.795	.795	-																								-
✓	4	2016	NAVY	.172	.172	-																								-
3.1.1) Q2196 FMU-143																														
Prior Years Deliveries: 2125																														
	5	2011	NAVY	3.205	3.205	-																								-
3.1.2) Q2032 FMU-139 Electrical Fuze (6)																														
Prior Years Deliveries: 23212																														
	6	2009	NAVY	11.454	11.454	-																								-
✓	6	2013	NAVY	7.200 (21)	7.200	-																								-
	6	2014	NAVY	1.317	1.317	-																								-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0145 / General Purpose Bombs	Item Number / Title [DODIC]: 1 / GP Bomb

Cost Elements (Units in Thousands)							Fiscal Year 2019												Fiscal Year 2020											
										Calendar Year 2019														Calendar Year 2020									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	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	BAL
✓	6	2014	NAVY	.527	.527	-																								-
✓	6	2015	NAVY	1.078	1.078	-																								-
	6	2016	NAVY	3.678	2.142	1.536	.306	.312	.306	.306	.306																			-
✓	6	2016	NAVY	1.827	1.827	-																								-
3.1.3) Q2210 Hard Target Void Sensing Fuze [7]																														
	7	2015	NAVY	.050	.050	-																								-
	7	2016	NAVY	.450	.450	-																								-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0145 / General Purpose Bombs	**Item Number / Title [DODIC]:** 1 / GP Bomb

		Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	General Dynamics BLU-111 - Garland, TX/MCAAP	21,359	38,544	100,200	-	10	24	34	-	11	36	47
2	National Forge BLU-109 - Irving, PA/MCAPP	1,344	2,232	6,480	-	12	24	36	-	8	36	44
3	The Boeing Company - St. Charles, MO	1,200	4,800	5,760	-	5	29	34	-	6	12	18
4	The Boeing Company Guided Bombs (Tailkits) - St. Charles, MO	4,000	10,000	36,000	-	12	12	24	-	6	12	18
5	ATK Tactical Systems (143) - JMC Rock Island, IL	6,000	10,000	20,000	-	-	-	-	-	12	36	48
6	L-3 FUZING & ORDNANCE SYSTEMS INC - CINCINATTI, OH	6,000	10,000	20,000	-	7	24	31	-	-	24	24
7	ATK Tactical Systems (HTVSF) - Keyser, WV	166	773	992	-	8	12	20	-	-	-	-

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Footnotes:

(17) Due to program efficiencies, and additional 200 units were placed on contract utilizing the FY12 funding to procure BLU-111's to meet inventory objectives.

(18) National Forge produces BLU-109 bombs for both Navy and Air Force. The production rate for bombs is based on the total number of bombs in production collectively across types and services.

(19) Fluctuations and gaps in Fiscal Years 2012, 2013, 2014, and 2015 delivery schedules for the BLU-109 are due to Multi-Service deliveries.

(20) Fluctuations and gaps in Fiscal Years 2014, 2015 and 2016 delivery schedules for the Tailkits are due to Multi-Service deliveries.

(21) There is not a gap in deliveries in Fiscal Years 2009, 2013, 2014, 2015, and 2016 for FMU-139 . Deliveries of joint service procurements are occurring during Navy production breaks.