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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs	P-1 Line Item Number / Title: 353020 / General Purpose Bombs
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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)	-	241.198	204.907	637.181	17.031	654.212	586.516	300.749	344.912	370.153	-	2,702.647
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	241.198	204.907	637.181	17.031	654.212	586.516	300.749	344.912	370.153	-	2,702.647
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	241.198	204.907	637.181	17.031	654.212	586.516	300.749	344.912	370.153	-	2,702.647

(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:

FY2014 funding totals include \$37.514M appropriated for Overseas Contingency Operations.

FY2015 funding totals include \$56.293 appropriated for Overseas Contingency Operations.

FY2016 funding totals include \$17.031M requested for Overseas Contingency Operations.

The following Weapon System Cost Elements are represented in this P-1 line:

- MXU-651 B/B (EC31/EC28) is an airfoil group consisting of an aft wing assembly, forward canards and attaching hardware needed to assemble a GBU-10 Laser Guided Bomb,(BLU-109 2000lb Hard Target Penetrator Bomb or MK84 2000lb class bomb). The system has folding wings which open upon release for increased maneuverability. This item is procured by Ogden ALC.
- MXU-650 Fin Assembly kit (EC32)consists of a tail fin, forward canards and attachment hardware needed to assemble the GBU-12 (MK-82 Warhead, 500lb class) Laser Guided Bomb (LGB). This Fin assembly kit, coupled with a Computer Control Group (ED58) complete the GBU-12 weapons build. These weapons are primarily used for precision bombing against non-hardened targets. This item is procured by Ogden ALC. FY2014 funding totals include \$0.462M appropriated for Overseas Contingency Operations. FY2016 funding totals include \$4.235 requested for Overseas Contingency Operations.
- MAU-209/MAU-169 (ED58) GBU-10/12 Computer Control Group is a laser homing guidance unit used on the GBU-10 and GBU-12 Laser Guided Bombs, (GBU-10, MK-84 Warhead, 2000lb class or GBU-12, MK-82 Warhead, 500lb class). The system has folding wings which open upon release for maneuverability and increased aircraft payload. This item is procured by Ogden ALC. FY2014 funding totals include \$1.342M appropriated for Overseas Contingency Operations. Laser Guided Bombs are essential to meeting training, operational and inventory objective requirements worldwide for precision bombing against hardened and non-hardened targets. Yearly procurements ensure the necessary stock on hand to meet these requirements. FY2014 funding totals include \$1.342M appropriated for Overseas Contingency Operations. FY2015 funding totals include \$19.393M appropriated for Overseas Contingency Operations. FY2016 funding totals include \$4.235 requested for Overseas Contingency Operations.
- BLU-117 (ED09) is a 2,000-pound class general purpose bomb. The bomb produces blast and fragmentation effects and can be used as either an unguided high or low drag weapon. When used with a guidance kit, it can be employed as a precision guided bomb. The warhead is used on the GBU-10/12 (PAVEWAY) and Joint Direct Attack Munition weapon systems. The BLU-117 can also be fuzed with proximity, instantaneous, or delayed fuzes to provide a variety of military effects. This item is procured through the Army Single Manager for Conventional Ammunition (SMCA). FY2014 funding totals include

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs		P-1 Line Item Number / Title: 353020 / General Purpose Bombs
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<p>\$16.937M appropriated for Overseas Contingency Operations. FY2015 funding totals include \$18.142M appropriated for Overseas Contingency Operations. FY2016 funding totals include \$4.235 requested for Overseas Contingency Operations.</p> <ul style="list-style-type: none"> - BLU-111 (ED15) is a thermally-protected General Purpose Bomb, identical to the MK-82 (500 lb bomb), except for type of explosive filler. It has a relatively thin case with a slender body designed for improved ballistics. Employed as general purpose bombs delivered in high and low drag modes with ground burst, delayed, or air burst fuzes and as precision guided munitions and aerial mines depending on the fin/airfoil group and fuzing. This item is procured through the Army Single Manager for Conventional Ammunition (SMCA). FY2014 funding totals include \$18.221M appropriated for Overseas Contingency Operations. FY2015 funding totals include \$11.539M appropriated for Overseas Contingency Operations. FY2016 funding totals include \$4.235 requested for Overseas Contingency Operations. - BLU-109 (ED49) warhead is a 2000-pound hard target penetrator bomb designed with Insensitive Munitions (IM) technology. It is a penetration weapon used against bunkers, aircraft shelters, and reinforced concrete structures. The warhead is used on the GBU-10, 24, and 27 as well as Joint Direct Attack Munition (JDAM) weapon systems. This item is procured through the Army Single Manager for Conventional Ammunition (SMCA). FY2014 funding totals include \$0.536M appropriated for Overseas Contingency Operations. FY2015 funding totals include \$17.219M appropriated for Overseas Contingency Operations. - Items Less Than Five Million Dollars: All items have an annual procurement of less than \$5,000,000 and are Code A. FY2014 funding totals include \$0.016M appropriated for Overseas Contingency Operations. FY2016 funding totals include \$.091M requested for Overseas Contingency Operations. <p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p> <p>Funding for this exhibit contained in PEs: 0208030F, 0207599F</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity:
3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs

P-1 Line Item Number / Title:
353020 / 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)
MXU-651/B FIN ASSEMBLY - EC31	P-40a	A	- / -	1,051 / 8.621	- / -	179 / 1.500	- / -	179 / 1.500
MXU-650 FIN ASSEMBLY - EC32	P-40a	A	- / -	3,554 / 14.150	2,600 / 10.356	4,519 / 18.000	1,061 / 4.235	5,580 / 22.235
(ED09) BLU-117, 2000LB GP BOMB	P-5, P-5a		- / -	- / 70.433	- / 73.215	- / 418.524	- / 4.235	- / 422.759
(ED15) BLU-111A/B 500LB GP BOMB	P-5, P-5a		- / -	- / 10.042	- / 13.201	- / 23.832	- / 4.235	- / 28.067
(ED49) BLU-109 2000 LB HARD TARGET BOMB	P-5, P-5a		- / -	- / 83.302	- / 57.235	- / 110.000	- / -	- / 110.000
MAU-209C/B - ED58	P-40a	A	- / -	- / 40.000	5,480 / 40.000	5,421 / 40.000	574 / 4.235	5,995 / 44.235
BLU-129/B 500LB BOMB	P-40a	A	- / -	- / -	- / -	- / 8.125	- / -	- / 8.125
BLU-111D/B CDI 500LB BOMB	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
LANYARD ASSY BOMB (EA67)	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
LANYARD (EA99)	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
BLU-110B/B GENERAL PURPOSE BOMB (ED41)	P-40a	A	- / -	- / -	- / -	- / -	- / 0.091	- / 0.091
BOMB FUZE PROTECTION ASSEMBLY (ED67)	P-40a	A	- / -	- / -	- / -	6,309 / 0.750	- / -	6,309 / 0.750
MK84 FIN ASSEMBLY (F607)	P-40a	A	- / -	- / 3.750	- / -	1,065 / 0.700	- / -	1,065 / 0.700
FIN ASSY BSU-33B/B (EE10) (was DODIC F782)	P-40a	A	- / -	- / -	- / -	20,025 / 4.850	- / -	20,025 / 4.850
CUP NOSESUPPORT MK81,82,83,84 (FW26)	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
PLUG, NOSE FOR GP BOMB (G008)	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
BLU-109 IM	P-40a	A	- / -	- / 2.000	- / 2.000	- / 2.000	- / -	- / 2.000
BLU-109 LWIP	P-40a	A	- / -	- / 3.000	- / 3.000	- / 3.000	- / -	- / 3.000
GP BOMB IM PRODUCTION ENGINEERING	P-40a	A	- / -	- / 4.900	- / 4.900	- / 4.900	- / -	- / 4.900
PMA OTHER GOVERNMENT COSTS	P-40a	A	- / -	- / 1.000	- / 1.000	- / 1.000	- / -	- / 1.000
Total Gross/Weapon System Cost			- / -	- / 241.198	- / 204.907	- / 637.181	- / 17.031	- / 654.212

*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:
FY2016 purchases 500, 1000 and 2000 pound conventional general purpose bombs, and guidance and control kits to provide precision bombing capabilities. These weapons are used to defeat non-hard, hardened and deeply buried targets, bunkers, aircraft shelters, reinforced concrete structures and various armored targets. Built up with assorted componentry, the bombs can also be employed as Joint Direct Attack Munitions, GBU-10/12 Laser Guided Bombs, and BLU-109 Penetrator.

The Air Force procures munitions to maintain appropriate quantities in the War Reserve Materiel (WRM) Munitions and test and training stockpiles. Active, Guard and Reserve components draw from the WRM stockpiles as required and receive test and training allocations annually based on current-year requirements.

Procurement/Replenishment is required to maintain readiness objectives and worldwide war reserve materiel (WRM) stockpiles to support requirements for penetrator bombs, low collateral damage bombs, and multiple precision guided bomb configurations as determined by the non-nuclear consumables annual analysis (NCAA), to execute DoD approved combat plans and training requirements.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force														Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13						P-1 Line Item Number / Title: 353020 / General Purpose Bombs						Aggregated Items Title: (EC31) MXU-651/B AFG, FIN ASSEMBLY							

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	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)
Uncategorized																				
MXU-651/B FIN ASSEMBLY - EC31	A		-	-	-	8,202.66	1,051	8.621	-	-	-	8,379.89	179	1.500	-	-	-	8,379.89	179	1.500
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	8.621	-	-	-	-	-	1.500	-	-	-	-	-	1.500
Total			-	-	-	-	-	8.621	-	-	-	-	-	1.500	-	-	-	-	-	1.500

Remarks:

Prices shown on the P40A reflect the average unit cost of split-award contracts. Due to the competitive nature of the currently qualified vendors, estimated unit costs are not available from the vendors for planning purposes.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force														Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13							P-1 Line Item Number / Title: 353020 / General Purpose Bombs							Aggregated Items Title: (EC32) MXU-650 GCG, FIN ASSEMBLY					

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	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)
Uncategorized																				
MXU-650 FIN ASSEMBLY - EC32	A		-	-	-	3,981.43	3,554	14.150	3,983.00	2,600	10.356	3,983.18	4,519	18.000	3,991.52	1,061	4.235	3,984.77	5,580	22.235
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	14.150	-	-	10.356	-	-	18.000	-	-	4.235	-	-	22.235
Total			-	-	-	-	-	14.150	-	-	10.356	-	-	18.000	-	-	4.235	-	-	22.235

Remarks:

Prices shown reflect the average unit cost of split-award contracts plus inflation. Due to the competitive nature of the currently qualified vendors, estimated unit cost information from the vendors is not available for planning purposes.

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Exhibit P-5, Cost Analysis: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13	P-1 Line Item Number / Title: 353020 / General Purpose Bombs	Item Number / Title [DODIC]: - / (ED09) BLU-117, 2000LB GP BOMB
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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)	-	70.433	73.215	418.524	4.235	422.759
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	70.433	73.215	418.524	4.235	422.759
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	70.433	73.215	418.524	4.235	422.759

(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 - Hardware End Item Cost																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK ^(†)	-	-	-	7,981.70	5,137	41.002	5,142.00	2,681	13.786	5,324.00	16,417	87.404	5,324.00	166	0.884	5,324.00	16,583	88.288
BOMB BODY 2000LB MK84 MOD 10 IM	-	-	-	4,117.41	5,137	21.151	7,072.00	2,681	18.960	6,549.54	16,417	107.524	7,213.00	166	1.197	6,556.19	16,583	108.721
LUG SUSP ACFT ORD MK3-0	-	-	-	47.00	10,274	0.483	67.00	5,362	0.359	60.00	32,834	1.970	60.00	332	0.020	60.00	33,166	1.990
CXM-AF7	-	-	-	21.05	269,371	5.671	21.00	1,844,528	38.735	0.19	1,129,490K	214.829	18.00	114,208	2.056	0.19	1,129,604K	216.885
PALLET MK79-1	-	-	-	710.00	2,644	1.877	796.00	1,369	1.090	812.00	8,371	6.797	812.00	85	0.069	812.00	8,456	6.866
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	70.184	-	-	72.930	-	-	418.524	-	-	4.226	-	-	422.750
<i>Subtotal: Hardware - Hardware End Item Cost</i>	-	-	-	-	-	70.184	-	-	72.930	-	-	418.524	-	-	4.226	-	-	422.750
Support - Support End Item Cost																		
PRODUCTION ENGINEERING	-	-	-	-	-	0.031	-	-	0.028	-	-	0.375	-	-	0.009	-	-	0.384
QUALITY ASSURANCE	-	-	-	-	-	0.003	-	-	0.007	-	-	0.006	-	-	-	-	-	0.006
FIRST ARTICLE TEST	-	-	-	-	-	-	-	-	0.036	-	-	0.034	-	-	-	-	-	0.034
NAVY ENGINEERING SUPPORT	-	-	-	-	-	0.215	-	-	0.214	-	-	0.214	-	-	-	-	-	0.214
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	0.249	-	-	0.285	-	-	0.629	-	-	0.009	-	-	0.638
Gross/Weapon System Cost	-	-	-	-	-	70.433	-	-	73.215	-	-	418.524	-	-	4.235	-	-	422.759

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Exhibit P-5, Cost Analysis: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13	P-1 Line Item Number / Title: 353020 / General Purpose Bombs	Item Number / Title [DODIC]: - / (ED09) BLU-117, 2000LB GP BOMB
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	
Remarks: This cost analysis represents the Single Manager for Conventional Ammunition (SMCA) efforts to obtain hardware, containers, pallets, straps, explosive material, lugs, etc. for the DoD Military Services purchasing the same or similar items, and to load, assemble and pack (LAP) the Air Force order. The load, assemble, pack (LAP) quantity is the number of completed rounds to be delivered into the AF inventory. The ammunition production plant provides the LAP price to SMCA, which includes cost to receive bomb bodies and for miscellaneous explosives, fillers and packing materials used to produce an inventory-worthy round. Bomb Body price, provided by the manufacturer to SMCA, is the unit price of an empty bomb body/casing. Developing the cost for a completed round, SMCA applies a Production Loss Factor (PLF) to estimate an additional quantity of bomb bodies/casings to mitigate risks during production of complete rounds. Risks may include defective bomb body or need to replace the body after filled with a nonconforming batch of explosives. Primary cost drivers include the total military customer orders (increases/decreases), complex or scarce materials, economic price adjustments, currency rate fluctuations. (t) indicates the presence of a P-5a		

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13	P-1 Line Item Number / Title: 353020 / General Purpose Bombs	Item Number / Title [DODIC]: - / (ED09) BLU-117, 2000LB GP BOMB
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK		2014	MCALESTER ARMY AMMUNITION PLANT / MCALESTER, OK	MIPR	AFLCMC Hill AFB	Jun 2016	Jul 2016	5,137	7,981.70	Y		
LOAD, ASSEMBLE, PACK		2015	MCALESTER ARMY AMMUNITION PLANT / MCALESTER, OK	MIPR	AFLCMC Hill AFB	Jun 2017	Jul 2017	2,681	5,142.00	Y		
LOAD, ASSEMBLE, PACK		2016	MCALESTER ARMY AMMUNITION PLANT / MCALESTER, OK	MIPR	AFLCMC Hill AFB	Jun 2018	Jul 2018	16,417	5,324.00	Y		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13	P-1 Line Item Number / Title: 353020 / General Purpose Bombs	Item Number / Title [DODIC]: - / (ED15) BLU-111A/B 500LB 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)		-	10.042	13.201	23.832	4.235	28.067
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)		-	10.042	13.201	23.832	4.235	28.067
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)		-	10.042	13.201	23.832	4.235	28.067
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
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 - Hardware End Item Cost																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP) ^(†)	-	-	-	1,418.00	2,843	4.031	1,457.00	1,989	2.898	1,566.00	3,855	6.037	1,566.00	695	1.088	1,566.00	4,550	7.125
BOMB BODY 500 LB MK82 MOD 6 IM	-	-	-	1,690.00	2,843	4.805	2,427.00	1,989	4.827	2,476.00	3,855	9.545	2,476.00	695	1.721	2,476.00	4,550	11.266
LUG SUSP ACFT ORD MS3314	-	-	-	27.00	5,686	0.154	27.00	3,978	0.107	30.00	7,710	0.231	32.00	1,392	0.045	30.31	9,102	0.276
CXM-7	-	-	-	12.00	55,439	0.665	19.00	258,570	4.913	15.00	501,150	7.517	15.00	90,480	1.357	15.00	591,630	8.874
PALLET INSPECTION, MHU-122E	-	-	-	144.00	483	0.070	179.00	338	0.061	182.00	655	0.119	182.00	118	0.021	182.00	773	0.141
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	9.724	-	-	12.806	-	-	23.450	-	-	4.232	-	-	27.682
<i>Subtotal: Hardware - Hardware End Item Cost</i>	-	-	-	-	-	9.724	-	-	12.806	-	-	23.450	-	-	4.232	-	-	27.682
Support - Support End Item Cost																		
PRODUCTION ENGINEERING	-	-	-	-	-	0.058	-	-	0.114	-	-	0.081	-	-	0.003	-	-	0.084
QUALITY ASSURANCE	-	-	-	-	-	0.010	-	-	0.012	-	-	0.012	-	-	-	-	-	0.012
FIRST ARTICLE TEST	-	-	-	-	-	-	-	-	0.019	-	-	0.038	-	-	-	-	-	0.038
NAVY ENGINEERING SUPPORT	-	-	-	-	-	0.250	-	-	0.250	-	-	0.250	-	-	-	-	-	0.250
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	0.318	-	-	0.395	-	-	0.381	-	-	0.003	-	-	0.384

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13						P-1 Line Item Number / Title: 353020 / General Purpose Bombs						Item Number / Title [DODIC]: - / (ED15) BLU-111A/B 500LB 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)
Gross/Weapon System Cost	-	-	-	-	-	10.042	-	-	13.201	-	-	23.832	-	-	4.235	-	-	28.067

Remarks:

This cost analysis represents the Single Manager for Conventional Ammunition (SMCA) efforts to obtain hardware, containers, pallets, straps, explosive material, lugs, etc. for the DoD Military Services purchasing the same or similar items, and to load, assemble and pack (LAP) the Air Force order.

The load, assemble, pack (LAP) quantity is the number of completed rounds to be delivered into the AF inventory. The ammunition production plant provides the LAP price to SMCA, which includes cost to receive bomb bodies and for miscellaneous explosives, fillers and packing materials used to produce an inventory-worthy round.

Bomb Body price, provided by the manufacturer to SMCA, is the unit price of an empty bomb body/casing. Developing the cost for a completed round, SMCA applies a Production Loss Factor (PLF) to estimate an additional quantity of bomb bodies/casings to mitigate risks during production of complete rounds. Risks may include defective bomb body or need to replace the body after filled with a nonconforming batch of explosives.

Primary cost drivers include the total military customer orders (increases/decreases), complex or scarce materials, economic price adjustments, currency rate fluctuations.

(t) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13	P-1 Line Item Number / Title: 353020 / General Purpose Bombs	Item Number / Title [DODIC]: - / (ED15) BLU-111A/B 500LB GP BOMB
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK (LAP)		2014	MCALESTER ARMY AMMUNITION PLANT / MCALESTER, OK	MIPR	AFLCMC Hill AFB	Jun 2016	Jul 2016	2,843	1,418.00	Y		
LOAD, ASSEMBLE, PACK (LAP)		2015	MCALESTER ARMY AMMUNITION PLANT / MCALESTER, OK	MIPR	AFLCMC Hill AFB	Jun 2017	Jul 2017	1,989	1,457.00	Y		
LOAD, ASSEMBLE, PACK (LAP)		2016	MCALESTER ARMY AMMUNITION PLANT / MCALESTER, OK	MIPR	AFLCMC Hill AFB	Jun 2018	Aug 2018	3,855	1,566.00	Y		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13	P-1 Line Item Number / Title: 353020 / General Purpose Bombs	Item Number / Title [DODIC]: - / (ED49) BLU-109 2000 LB HARD TARGET BOMB

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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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)	-	83.302	57.235	110.000	-	110.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	83.302	57.235	110.000	-	110.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	83.302	57.235	110.000	-	110.000

(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 - Hardware End Item Cost																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK ^(†)	-	-	-	7,763.69	3,165	24.572	10,838.00	1,668	18.078	8,926.00	3,496	31.205	-	-	-	8,926.00	3,496	31.205
BOMB BODY, 2000LB BLU-109/B	-	-	-	14,928.00	3,165	47.247	18,057.00	1,668	30.119	17,720.00	3,496	61.949	-	-	-	17,720.00	3,496	61.949
CONTAINER, CNU-417/E	-	-	-	2,023.83	1,583	3.204	2,353.00	834	1.962	2,398.00	1,747	4.189	-	-	-	2,398.00	1,747	4.189
CXM-AF-5	-	-	-	15.85	501,492	7.948	24.00	283,560	6.805	21.00	594,320	12.481	-	-	-	21.00	594,320	12.481
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	82.971	-	-	56.965	-	-	109.824	-	-	-	-	-	109.824
<i>Subtotal: Hardware - Hardware End Item Cost</i>	-	-	-	-	-	82.971	-	-	56.965	-	-	109.824	-	-	-	-	-	109.824
Support - Support End Item Cost																		
PRODUCTION ENGINEERING	-	-	-	-	-	0.242	-	-	0.141	-	-	0.087	-	-	-	-	-	0.087
QUALITY ASSURANCE	-	-	-	-	-	0.010	-	-	0.009	-	-	0.009	-	-	-	-	-	0.009
FIRST ARTICLE TEST	-	-	-	-	-	-	-	-	0.040	-	-	-	-	-	-	-	-	-
NAVY ENGINEERING SUPPORT	-	-	-	-	-	0.080	-	-	0.080	-	-	0.080	-	-	-	-	-	0.080
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	0.332	-	-	0.270	-	-	0.176	-	-	-	-	-	0.176
Gross/Weapon System Cost	-	-	-	-	-	83.302	-	-	57.235	-	-	110.000	-	-	-	-	-	110.000

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Exhibit P-5, Cost Analysis: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13	P-1 Line Item Number / Title: 353020 / General Purpose Bombs	Item Number / Title [DODIC]: - / (ED49) BLU-109 2000 LB HARD TARGET BOMB
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
<p>Remarks: This cost analysis represents the Single Manager for Conventional Ammunition (SMCA) efforts to obtain hardware, containers, pallets, straps, explosive material, lugs, etc. for the DoD Military Services purchasing the same or similar items, and to load, assemble and pack (LAP) the Air Force order.</p> <p>The load, assemble, pack (LAP) quantity is the number of completed rounds to be delivered into the AF inventory. The ammunition production plant provides the LAP price to SMCA, which includes cost to receive bomb bodies and for miscellaneous explosives, fillers and packing materials used to produce an inventory-worthy round.</p> <p>Bomb Body price, provided by the manufacturer to SMCA, is the unit price of an empty bomb body/casing. Developing the cost for a completed round, SMCA applies a Production Loss Factor (PLF) to estimate an additional quantity of bomb bodies/casings to mitigate risks during production of complete rounds. Risks may include defective bomb body or need to replace the body after filled with a nonconforming batch of explosives.</p> <p>Primary cost drivers include the total military customer orders (increases/decreases), complex or scarce materials, economic price adjustments, currency rate fluctuations.</p> <p>(t) indicates the presence of a P-5a</p>		

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13			P-1 Line Item Number / Title: 353020 / General Purpose Bombs					Item Number / Title [DODIC]: - / (ED49) BLU-109 2000 LB HARD TARGET BOMB				
Cost Elements	O C O	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
LOAD, ASSEMBLE, PACK		2014	MCALESTER ARMY AMMUNITION PLANT / MCALESTER, OK	MIPR	AFLCMC Hill AFB	Jun 2015	Jul 2016	3,165	7,763.69	Y		
LOAD, ASSEMBLE, PACK		2015	MCALESTER ARMY AMMUNITION PLANT / MCALESTER, OK	MIPR	AFLCMC Hill AFB	Jun 2015	Jul 2016	1,668	10,838.00	Y		
LOAD, ASSEMBLE, PACK		2016	MCALESTER ARMY AMMUNITION PLANT / MCALESTER, OK	MIPR	AFLCMC Hill AFB	Jun 2016	Jul 2017	3,496	8,926.00	Y		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13						P-1 Line Item Number / Title: 353020 / General Purpose Bombs						Aggregated Items Title: (ED58) MAU-209C/B							

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	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)
Uncategorized																				
MAU-209C/B - ED58	A		-	-	-	-	-	40.000	7,299.27	5,480	40.000	7,378.71	5,421	40.000	7,378.05	574	4.235	7,378.65	5,995	44.235
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	40.000	-	-	40.000	-	-	40.000	-	-	4.235	-	-	44.235
Total			-	-	-	-	-	40.000	-	-	40.000	-	-	40.000	-	-	4.235	-	-	44.235

Remarks:

Prices shown reflect the average unit cost of split-award contracts plus inflation. Due to the competitive nature of the currently qualified vendors, estimated unit costs are not available for planning purposes.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13	P-1 Line Item Number / Title: 353020 / General Purpose Bombs	Aggregated Items Title: (ED78) BLU-129/B 500LB BOMB
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Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	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)
Uncategorized																				
BLU-129/B 500LB BOMB	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.125
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.125
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.125

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13	P-1 Line Item Number / Title: 353020 / General Purpose Bombs	Aggregated Items Title: (XXXX) BLU-111D/B CDI 500LB BOMB
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Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	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)
Uncategorized																				
BLU-111D/B CDI 500LB BOMB	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Uncategorized</i>			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13							P-1 Line Item Number / Title: 353020 / General Purpose Bombs								Aggregated Items Title: GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	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)
Uncategorized																				
LANYARD ASSY BOMB (EA67)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LANYARD (EA99)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BLU-110B/B GENERAL PURPOSE BOMB (ED41)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	0.091	-	-	0.091	
BOMB FUZE PROTECTION ASSEMBLY (ED67)	A		-	-	-	-	-	-	-	-	118.88	6,309	0.750	-	-	-	118.88	6,309	0.750	
MK84 FIN ASSEMBLY (F607)	A		-	-	-	-	-	3.750	-	-	-	657.28	1,065	0.700	-	-	-	657.28	1,065	0.700
FIN ASSY BSU-33B/ B (EE10) (was DODIC F782)	A		-	-	-	-	-	-	-	-	-	242.20	20,025	4.850	-	-	-	242.20	20,025	4.850
CUP NOSESUPPORT MK81,82,83,84 (FW26)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PLUG, NOSE FOR GP BOMB (G008)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BLU-109 IM	A		-	-	-	-	-	2.000	-	-	2.000	-	-	2.000	-	-	-	-	-	2.000
BLU-109 LWIP	A		-	-	-	-	-	3.000	-	-	3.000	-	-	3.000	-	-	-	-	-	3.000
GP BOMB IM PRODUCTION ENGINEERING	A		-	-	-	-	-	4.900	-	-	4.900	-	-	4.900	-	-	-	-	-	4.900
PMA OTHER GOVERNMENT COSTS	A		-	-	-	-	-	1.000	-	-	1.000	-	-	1.000	-	-	-	-	-	1.000
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	14.650	-	-	10.900	-	-	17.200	-	-	0.091	-	-	17.291
Total			-	-	-	-	-	14.650	-	-	10.900	-	-	17.200	-	-	0.091	-	-	17.291