

UNCLASSIFIED

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 12: Cartridges	P-1 Line Item Number / Title: 352010 / Cartridges
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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)	-	138.336	131.090	131.102	8.371	139.473	172.815	126.932	125.940	132.799	-	967.385
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	138.336	131.090	131.102	8.371	139.473	172.815	126.932	125.940	132.799	-	967.385
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	138.336	131.090	131.102	8.371	139.473	172.815	126.932	125.940	132.799	-	967.385
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY2014 funding includes \$17.634M appropriated for Overseas Contingency Operations.
 FY2015 funding includes \$2.469 appropriated for Overseas Contingency Operations.
 FY2016 funding includes \$8.371 requested for Overseas Contingency Operations.

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

- 7.62MM Ball Linked M80 (A143): The M240 Machine Gun requires this linked round, used against personnel and unarmored targets. Air Force procures this item through the Single Manager for Conventional Ammunition (SMCA), Department of the Army.
- 25MM TP, PGU-23/U (A978): 25MM PGU-23 is a target practice round used in the GAU-12/A gun systems applicable to the F-35 and AC-130/U aircraft. The round is also a kinetic energy combat round used to limit collateral damage potential. Air Force procures 25MM through the Single Manager for Conventional Ammunition (SMCA), Department of the Army.
- 20MM PGU-28A/B (AA22): Primary combat round, high explosive incendiary used with the M61 gun system applicable to the F-15 and F-16 aircraft. Designed for use against air-to-air and air-to-ground targets. Both the Air Force and Navy use this ammunition for combat only. Air Force procures 20MM through the Single Manager for Conventional Ammunition (SMCA), Department of the Army. FY2014 funding totals include \$0.763M appropriated for Overseas Contingency Operations. FY2015 funding totals include \$1.039M appropriated for Overseas Contingency Operations. FY2016 funding totals include \$8.371 requested for Overseas Contingency Operations.
- 20MM Target Practice (TP) Round PGU-27A/B (AA24): This round is used for air-to-air and air-to-ground training in the M61 aircraft gun on F-15, F-16 and F-22A aircraft. The Air Force procures various links, linking methods and mixtures of target practice and target practice tracer ammunition depending on the specific requirement of the system and the training program. The cartridge is electrically primed and has no fuze. The projectile is a solid slug sized to match the ballistics of the 20MM combat round. 20MM is the primary ammunition used in Air Force and Navy aircraft gun systems to provide a training capability to complement the PGU-28 high explosive incendiary combat round and ensure training is consistent with combat operations. Air Force procures 20MM through the Army Single Manager for Conventional Ammunition (SMCA), Department of the Army and engineering support from the Navy.
- 5.56MM Frangible (AA40): This is the primary training round for the Air Force and consists of a lead-free small rifle primer in a brass cartridge case. These cartridges are more environmentally friendly than standard 5.56MM ball cartridges. The case is made of reusable/recyclable brass, which is the same as 5.56MM ball ammunition. The 5.56MM frangible cartridges are used in M16-series rifles, which include M4 rifles. The Air Force procures this item through the Navy.

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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 12: Cartridges		P-1 Line Item Number / Title: 352010 / Cartridges
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<ul style="list-style-type: none"> - 5.56MM Ball M855 (AB57): This is a lead-free primary combat round used in the M16A2 and M4 rifles, against personnel and unarmored targets. Air Force procures this item through the Single Manager for Conventional Ammunition (SMCA), Department of the Army. - 30MM HEI PGU-13/B Round (B104): This is a High Explosive Incendiary (HEI) round for the GAU-8/A cannon on the A-10 aircraft. It contains an explosive material for use against light armor and personnel. Air Force procures 30MM from the Single Manager for Conventional Ammunition (SMCA), Department of the Army. FY2014 funding totals include \$0.107M requested for Overseas Contingency Operations. No FY2016 funding is requested. - 30MM Target Practice (TP) Cartridge PGU-15/B (B116): A solid, inert projectile used to train aircrew in the use of the GAU-8/A cannon on the A-10 aircraft. The cartridge is mechanically primed and has no fuze, while the projectile is a solid slug designed to match the ballistics of high explosive incendiary and armor piercing incendiary cartridges. Air Force procures 30MM from the Single Manager for Conventional Ammunition (SMCA), Department of the Army. - BBU-35 Impulse Cartridge (MG62): Deploys countermeasure chaff and ignites flares from the aircraft dispenser. Applicable to the M206 Countermeasure Flare. - BBU-48 Impulse Cartridge (SS27): Deploys countermeasure chaff from the RR-180 and RR-196 Chaff cartridges to protect aircraft from radar and radar guided weapons. - Items Less Than Five Million Dollars: All items have an annual procurement of less than \$5,000,000 and are Code A. FY2015 funding totals include \$1.123 appropriated 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: 0207580F, 0207599F, 0208015F and 0208030F.</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 12: Cartridges

P-1 Line Item Number / Title:
352010 / Cartridges

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)
(A143) 7.62MM BALL LINKED (M80)	P-5, P-5a		- / -	- / 6.000	- / 5.000	- / 5.000	- / -	- / 5.000
(A978) CTG, 25MM, TP (PGU-23/U)	P-5, P-5a		- / -	- / 8.000	- / -	- / 2.412	- / -	- / 2.412
(AA22) 20MM PGU-28A/B SEMI-AP, HEI	P-5, P-5a		- / -	- / 15.277	- / 3.968	- / 5.466	- / 8.371	- / 13.837
(AA24) 20MM, TP PGU-27A/B	P-5, P-5a		- / -	- / 20.505	- / 24.482	- / 12.348	- / -	- / 12.348
5.56 MM FRANG (AA40)	P-40a	A	- / -	24,390,243 / 10.000	18,181,818 / 8.000	17,777,777 / 8.000	- / -	17,777,777 / 8.000
(AB57) 5.56MM BALL, LEAD FREE, CLIPPED	P-5, P-5a		- / -	- / 8.000	- / 7.000	- / 5.548	- / -	- / 5.548
25MM PGU-48/B	P-40a	A	- / -	- / -	- / -	- / 12.000	- / -	- / 12.000
(B116) 30MM PGU-15/B, TP	P-5, P-5a		- / -	- / 16.745	- / 32.250	- / 27.043	- / -	- / 27.043
(MG62) BBU-35/B IMPULSE CARTRIDGE	P-40a	A	- / -	3,333,333 / 8.000	2,650,403 / 6.573	3,170,800 / 7.927	- / -	3,170,800 / 7.927
(SS27) BBU-48/B IMPULSE CARTRIDGE	P-40a	A	- / -	543,478 / 5.000	538,213 / 5.000	532,481 / 5.000	- / -	532,481 / 5.000
(A014) CTG, 12 GA SHOTGUN, 7-1/2 PLASTIC	P-40a	A	- / -	17,857 / 0.010	35,714 / 0.010	- / -	- / -	- / -
(A017) CTG, 12 GA BUCKSHOT	P-40a	A	- / -	- / -	32,258 / 0.010	32,258 / 0.010	- / -	32,258 / 0.010
(A062) CTG, 5.56MM BALL M855 LINKED	P-40a	A	- / -	- / -	2,500,000 / 0.750	6,666,667 / 2.000	- / -	6,666,667 / 2.000
(A075) CTG 5.56MM BLANK SAW LINKED	P-40a	A	- / -	77,272 / 0.017	- / -	- / -	- / -	- / -
(A080) CTG, 5.56MM BLANK M200	P-40a	A	- / -	1,287,500 / 0.206	- / -	1,764,705 / 0.300	- / -	1,764,705 / 0.300
(A091) CTG, .22 CAL LONG RIFLE	P-40a	A	- / -	937,500 / 0.150	- / -	382,353 / 0.065	- / -	382,353 / 0.065
(A111) CTG, 7.62MM BLANK M82 LINKED	P-40a	A	- / -	73,170 / 0.030	- / -	- / -	- / -	- / -
(A131) CTG, 7.62MM BALL 4-1 LINKED	P-40a	A	- / -	1,639,344 / 1.000	1,724,137 / 1.000	1,293,103 / 0.750	- / -	1,293,103 / 0.750
(A164) CTG, 7.62MM LINKED	P-40a	A	- / -	1,960,784 / 1.000	1,886,792 / 1.000	3,703,703 / 2.000	- / -	3,703,703 / 2.000
(A246) CTG, .30 CAL BALL BULK	P-40a	A	- / -	- / -	104,167 / 0.025	- / -	- / -	- / -
(A257) CTG, 7.62MM 9-1 DIM TRACER	P-40a	A	- / -	- / -	- / -	377,358 / 0.200	- / -	377,358 / 0.200
(A363) 9MM BALL NATO XM882 PISTOL	P-40a	A	- / -	11,904,762 / 2.500	10,526,316 / 2.000	5,000,000 / 1.000	- / -	5,000,000 / 1.000
(A403) CTG, .38 CAL SP BLANK	P-40a	A	- / -	45,614 / 0.026	- / -	- / -	- / -	- / -
(A404) CTG, .38 CAL SP BALL WADCUTTER	P-40a	A	- / -	- / -	11,627 / 0.010	11,494 / 0.010	- / -	11,494 / 0.010
(A475) CTG, CAL .45 BALL M1911	P-40a	A	- / -	163,492 / 0.103	- / -	- / -	- / -	- / -
(A482) CTG CAL .45 BALL WADCUTTER	P-40a	A	- / -	392,156 / 0.200	392,156 / 0.200	384,615 / 0.200	- / -	384,615 / 0.200
(A483) CTG CAL .45 BALL M1911 MTCHGRD	P-40a	A	- / -	161,290 / 0.100	735,294 / 0.250	147,059 / 0.050	- / -	147,059 / 0.050
(A552) CTG, .50 CAL BALL SINGLE ROUND, M33	P-40a	A	- / -	159,900 / 0.323	88,496 / 0.200	243,902 / 0.500	- / -	243,902 / 0.500
(A555) CTG, CAL .50 BALL M2 LINKED	P-40a	A	- / -	2,040,816 / 4.000	1,132,075 / 3.000	1,276,595 / 3.000	- / -	1,276,595 / 3.000
(A557) CTG, CAL .50 BALL/TRACER/LINKED M2/M9	P-40a	A	- / -	1,243,781 / 2.500	947,867 / 2.000	980,392 / 2.000	- / -	980,392 / 2.000
(A598) CTG CAL.50 BLNK CRMPD W/M9 LNK	P-40a	A	- / -	183,824 / 0.250	- / -	- / -	- / -	- / -
(A606) CTG, CAL.50 API MK211 MOD 0	P-40a	A	- / -	1,850 / 0.020	- / -	64,338 / 0.700	- / -	64,338 / 0.700
(A607) CTG, .50 CAL ARMOR PIERCING INCENDIARY	P-40a	A	- / -	126,903 / 1.000	326,633 / 2.600	87,500 / 0.700	- / -	87,500 / 0.700
(AA01) CTG 5.56MM AP M995 LKD	P-40a	A	- / -	23,560 / 0.045	- / -	- / -	- / -	- / -
(AA02) CTG 5.56MM AP/TR M995/M856 4-1	P-40a	A	- / -	351,898 / 0.834	138,818 / 0.329	- / -	- / -	- / -

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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 12: Cartridges

P-1 Line Item Number / Title:
352010 / Cartridges

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)
(AA03) CTG. 7.62 M993 AP	P-40a	A	- / -	10,563 / 0.030	- / -	34,482 / 0.100	- / -	34,482 / 0.100
(AA04) CTG. 7.62MM 4 AP M9331/1TR M62 W/LK M13	P-40a	A	- / -	- / -	- / -	12,494 / 0.300	- / -	12,494 / 0.300
(AA11) CTG. 7.62 NATO M118 SPEC BALL	P-40a	A	- / -	869,565 / 0.600	2,941,176 / 2.000	746,269 / 0.500	- / -	746,269 / 0.500
(AA16) 9 MILLIME CARTRIDGE FRANG	P-40a	A	- / -	8,620,689 / 2.500	10,344,828 / 3.000	10,000,000 / 3.000	- / -	10,000,000 / 3.000
(AA50) .50 CAL DIM TRACER	P-40a	A	- / -	371,333 / 2.228	- / -	- / -	- / -	- / -
(AA51) 12 GA NON-LETHAL PT-CONT	P-40a	A	- / -	110,628 / 0.229	50,952 / 0.107	94,339 / 0.200	- / -	94,339 / 0.200
(AA52) 12 GA NON-LETHAL CROWD	P-40a	A	- / -	208,771 / 0.476	103,030 / 0.238	85,470 / 0.200	- / -	85,470 / 0.200
(AB09) 5.56 BLUE MARKING CARTRIDGE	P-40a	A	- / -	1,449,275 / 1.000	563,380 / 0.400	1,000,000 / 0.700	- / -	1,000,000 / 0.700
(AB10) 5.56 RED MARKING CARTRIDGES	P-40a	A	- / -	1,449,275 / 1.000	633,802 / 0.450	1,000,000 / 0.700	- / -	1,000,000 / 0.700
(AB13) 9MM BLUE MARKING CARTRIDGE	P-40a	A	- / -	819,672 / 0.500	735,294 / 0.500	806,452 / 0.500	- / -	806,452 / 0.500
(AB14) 9M RED MARKING CARTRIDGE	P-40a	A	- / -	819,672 / 0.500	735,294 / 0.500	806,452 / 0.500	- / -	806,452 / 0.500
(AB16) 5.56 BLUE LINKED MARKING CART	P-40a	A	- / -	609,756 / 0.500	- / -	- / -	- / -	- / -
(AB17) 5.56 RED LINKED MARKING CART	P-40a	A	- / -	609,756 / 0.500	- / -	- / -	- / -	- / -
(AB39) 7.62MM SPECIAL BALL, LONG RANGE	P-40a	A	- / -	31,250 / 1.000	62,500 / 2.000	61,576 / 2.000	- / -	61,576 / 2.000
(AB56) 5.56MM M855A1 LINKED LEAD FREE CART	P-40a	A	- / -	- / -	2,777,778 / 1.000	2,777,778 / 1.000	- / -	2,777,778 / 1.000
(AB46) 5.56MM SINGLE ROUND DUMMY	P-40a	A	- / -	- / -	312,500 / 0.125	- / -	- / -	- / -
(AB47) 7.62MM DUMMY	P-40a	A	- / -	- / -	200,000 / 0.070	- / -	- / -	- / -
(AB67) 5.56MM PRACTICE SINGLE ROUND	P-40a	A	- / -	- / -	- / -	1,851,851 / 2.500	- / -	1,851,851 / 2.500
(AB48) .50 CAL SINGLE DUMMY CART	P-40a	A	- / -	- / -	114,285 / 0.040	- / -	- / -	- / -
(AB72) CTG, 7.62MM SINGLE ROUND BLANK (was A112)	P-40a	A	- / -	205,479 / 0.150	208,333 / 0.075	- / -	- / -	- / -
(AY04) CTG. BIRDSCARE, 12 GAGE, PGU-26P	P-40a	A	- / -	46,226 / 0.049	- / -	- / -	- / -	- / -
(B519) CARTRIDGE, 40MM PRACTICE M781	P-40a	A	- / -	61,475 / 0.300	409,836 / 2.000	- / -	- / -	- / -
(B472) 40MM DUMMY M385 CART	P-40a	A	- / -	1,339 / 0.050	- / -	- / -	- / -	- / -
(B535) 40MM SWS M583	P-40a	A	- / -	1,429 / 0.063	22,451 / 1.000	- / -	- / -	- / -
(B576) CTG, 40MM PRACTICE, LINKED, HIGH VELOCITY	P-40a	A	- / -	208,026 / 3.836	108,401 / 2.000	101,010 / 2.000	- / -	101,010 / 2.000
(BA06) 40MM M385A1 PRACTICE CART	P-40a	A	- / -	30,142 / 0.233	- / -	- / -	- / -	- / -
AIR FORCE SHOOTING TEAM	P-40a	A	- / -	- / 0.175	- / 0.175	- / 0.175	- / -	- / 0.175
(BA13) 40MM CROWD CONTROL CART	P-40a	A	- / -	6,176 / 0.110	- / -	- / -	- / -	- / -
(3W37) CHAFF, RR-188	P-40a	A	- / -	- / -	- / -	593,471 / 2.000	- / -	593,471 / 2.000
(JN31) CU-168 SQUIB	P-40a	A	- / -	- / -	833 / 0.500	1,666 / 1.000	- / -	1,666 / 1.000
(MG11) CTG,IMPULSE,BBU-36/B	P-40a	A	- / -	746,130 / 1.254	1,117,647 / 1.900	555,556 / 2.000	- / -	555,556 / 2.000
(MG62) CTG, IMPULSE BBU-35/B	P-40a	A	- / -	538,607 / 1.277	668,741 / 1.585	- / -	- / -	- / -
(SS27) CTG, IMPLUSE, BBU-48/B	P-40a	A	- / -	100,429 / 0.936	109,566 / 0.995	- / -	- / -	- / -
(WA83) CCU-136	P-40a	A	- / -	- / -	1,408 / 0.005	1,392 / 0.005	- / -	1,392 / 0.005
(WB24) CCU-145	P-40a	A	- / -	- / -	5,263 / 0.025	5,230 / 0.025	- / -	5,230 / 0.025

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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 12: Cartridges

P-1 Line Item Number / Title:
352010 / Cartridges

Exhibits Schedule			Program Elements for Code B Items:			Other Related Program Elements:		
			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)
(WB33) CTG, IMP ARD 446-1B	P-40a	A	- / -	- / -	- / -	109,756 / 0.900	- / -	109,756 / 0.900
(M189) ARD 863 IMPULSE CART	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
(M190) IMPULSE CARTRIDGE MK1 MOD1	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
(M943) MK107 IMPULSE CARTRIDGE	P-40a	A	- / -	- / -	16,253 / 1.900	- / -	- / -	- / -
(MT40) BBU-46 SQUIB, ELECTRIC	P-40a	A	- / -	12,661 / 1.000	6,326 / 0.500	7,110 / 0.568	- / -	7,110 / 0.568
(SS44) BBU-63/B IMPULSE CARTRIDGE	P-40a	A	- / -	5,736 / 3.000	650 / 0.343	5,611 / 3.000	- / -	5,611 / 3.000
(SY16) RR-180 CHAFF CARTRIDGE	P-40a	A	- / -	318,133 / 3.000	172,860 / 2.000	260,191 / 3.000	- / -	260,191 / 3.000
Total Gross/Weapon System Cost			- / -	- / 138.336	- / 131.090	- / 131.102	- / 8.371	- / 139.473

*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 small arms ammunition for use against personnel and unarmored targets; medium caliber ammunition used in aircraft gun systems against air-to-air, air-to-ground and light armored targets, as well as certain impulse cartridges needed to eject weapons stores from bomb racks and instigate aircraft countermeasures.

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.

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Exhibit P-5, Cost Analysis: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (A143) 7.62MM BALL LINKED (M80)

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)	-	6.000	5.000	5.000	-	5.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	6.000	5.000	5.000	-	5.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	6.000	5.000	5.000	-	5.000

(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																		
7.62MM M80 BALL, FLASH SUPPRESSED PROPELLANT ^(†)	-	-	-	0.48	11,990,760	5.756	0.53	8,740,286	4.632	0.53	9,042,049	4.792	-	-	-	0.53	9,042,049	4.792
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	5.756	-	-	4.632	-	-	4.792	-	-	-	-	-	4.792
<i>Subtotal: Hardware - Hardware End Item Cost</i>	-	-	-	-	-	5.756	-	-	4.632	-	-	4.792	-	-	-	-	-	4.792
Support - Support End Item Cost																		
PRODUCTION ENGINEERING	-	-	-	-	-	0.244	-	-	0.287	-	-	0.205	-	-	-	-	-	0.205
ACCEPTANCE TESTING	-	-	-	-	-	-	-	-	0.075	-	-	-	-	-	-	-	-	-
QUALITY ASSURANCE	-	-	-	-	-	-	-	-	0.006	-	-	0.003	-	-	-	-	-	0.003
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	0.244	-	-	0.368	-	-	0.208	-	-	-	-	-	0.208
Gross/Weapon System Cost	-	-	-	-	-	6.000	-	-	5.000	-	-	5.000	-	-	-	-	-	5.000

Remarks:

Prices are provided by the Single Manager for Conventional Ammunition (SMCA), Department of the Army. Prices shown represent the SMCA efforts to obtain hardware, containers, pallets, straps, explosive material, etc. for the DoD Military Services purchasing the same or similar items, and to load, assemble and pack the Air Force order. Cost drivers may include economic price adjustments, currency rate fluctuations, price of complex or scarce materials and orders from other Military Services (increases/decreases).

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Exhibit P-5, Cost Analysis: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (A143) 7.62MM BALL LINKED (M80)
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

(†) 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 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (A143) 7.62MM BALL LINKED (M80)
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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
7.62MM M80 BALL, FLASH SUPPRESSED PROPELLANT		2014	ALLIANT TECH (LCAAP) / INDEPENDENCE, MO	MIPR	AFLCMC Hill AFB	Jun 2014	Jan 2015	11,990,760	0.48	Y		
7.62MM M80 BALL, FLASH SUPPRESSED PROPELLANT		2015	ALLIANT TECH (LCAAP) / INDEPENDENCE, MO	MIPR	AFLCMC Hill AFB	Mar 2015	Oct 2015	8,740,286	0.53	Y		
7.62MM M80 BALL, FLASH SUPPRESSED PROPELLANT		2016	ALLIANT TECH (LCAAP) / INDEPENDENCE, MO	MIPR	AFLCMC Hill AFB	Mar 2016	Oct 2016	9,042,049	0.53	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 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (A978) CTG, 25MM, TP (PGU-23/U)

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 (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	8.000	-	2.412	-	2.412
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	8.000	-	2.412	-	2.412
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	8.000	-	2.412	-	2.412

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-

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 ^(†)	-	-	-	25.24	310,242	7.831	-	-	-	19.00	113,973	2.165	-	-	-	19.00	113,973	2.165
PALLET MK3-0	-	-	-	238.65	166	0.040	-	-	-	176.00	61	0.011	-	-	-	176.00	61	0.011
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	7.870	-	-	-	-	-	2.176	-	-	-	-	-	2.176
<i>Subtotal: Hardware - Hardware End Item Cost</i>	-	-	-	-	-	7.870	-	-	-	-	-	2.176	-	-	-	-	-	2.176
Support - Support End Item Cost																		
ACCEPTANCE TESTING	-	-	-	-	-	0.052	-	-	-	-	-	0.059	-	-	-	-	-	0.059
QUALITY ASSURANCE	-	-	-	-	-	0.006	-	-	-	-	-	0.003	-	-	-	-	-	0.003
FIRST ARTICLE TEST	-	-	-	-	-	0.072	-	-	-	-	-	0.172	-	-	-	-	-	0.172
PALLET TESTING	-	-	-	-	-	-	-	-	-	-	-	0.002	-	-	-	-	-	0.002
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	0.130	-	-	-	-	-	0.236	-	-	-	-	-	0.236
Gross/Weapon System Cost	-	-	-	-	-	8.000	-	-	-	-	-	2.412	-	-	-	-	-	2.412

Remarks:

Prices are provided by the Single Manager for Conventional Ammunition (SMCA), Department of the Army. Prices shown represent the SMCA efforts to obtain containers, pallets, explosive material, etc. for the DoD Military Services purchasing the same or similar items, and to load, assemble and pack the Air Force order. Cost drivers may include economic price adjustments, currency rate fluctuations, price of complex or scarce materials and orders from other Military Services (increases/decreases).

The load, assemble and pack quantity is the number of completed rounds to be delivered into the AF inventory.

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Exhibit P-5, Cost Analysis: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (A978) CTG, 25MM, TP (PGU-23/U)
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

(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 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (A978) CTG, 25MM, TP (PGU-23/U)
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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	GENERAL DYNAMICS ORD & TAC SYS / MARION, IL	MIPR	AFLCMC Hill AFB	Jul 2014	May 2015	310,242	25.24	Y		
LOAD, ASSEMBLE, PACK		2016	UNKNOWN / UNKNOWN	MIPR	AFLCMC Hill AFB	Mar 2016	Jun 2017	113,973	19.00	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 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (AA22) 20MM PGU-28A/B SEMI-AP, HEI

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 (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	15.277	3.968	5.466	8.371	13.837
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	15.277	3.968	5.466	8.371	13.837
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	15.277	3.968	5.466	8.371	13.837

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-

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 ^(†)	-	-	-	20.00	757,023	15.140	23.00	160,721	3.697	25.00	213,186	5.330	25.00	332,136	8.303	25.00	545,322	13.633
BOX, METAL M548	-	-	-	34.00	3,104	0.106	40.00	660	0.026	41.00	874	0.036	41.00	1,363	0.056	41.00	2,237	0.092
PALLET MK3-0	-	-	-	158.00	151	0.024	172.47	32	0.006	180.00	42	0.008	180.00	65	0.012	180.00	107	0.019
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	15.270	-	-	3.728	-	-	5.373	-	-	8.371	-	-	13.744
<i>Subtotal: Hardware - Hardware End Item Cost</i>	-	-	-	-	-	15.270	-	-	3.728	-	-	5.373	-	-	8.371	-	-	13.744
Support - Support End Item Cost																		
QUALITY ASSURANCE	-	-	-	-	-	0.007	-	-	-	-	-	0.008	-	-	-	-	-	0.008
FIRST ARTICLE TESTING	-	-	-	-	-	-	-	-	0.240	-	-	0.085	-	-	-	-	-	0.085
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	0.007	-	-	0.240	-	-	0.093	-	-	-	-	-	0.093
Gross/Weapon System Cost	-	-	-	-	-	15.277	-	-	3.968	-	-	5.466	-	-	8.371	-	-	13.837

Remarks:

Prices are provided by the Single Manager for Conventional Ammunition (SMCA), Department of the Army. Prices shown represent the SMCA efforts to obtain containers, pallets, explosive material, lugs, etc. for the DoD Military Services purchasing the same or similar items, and to load, assemble and pack the Air Force order. Cost drivers may include economic price adjustments, currency rate fluctuations, price of complex or scarce materials and orders from other Military Services (increases/decreases).

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Exhibit P-5, Cost Analysis: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (AA22) 20MM PGU-28A/B SEMI-AP, HEI
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	
<p>Load, Assemble and Pack (LAP) costs are applicable to production, build-up and packing/boxing the ammunition rounds. The LAP quantity is the number of completed rounds to be delivered into the AF inventory.</p> <p>Packaging, Crating and Handling (PC&H) cost is associated with transferring the completed order from production to the first destination.</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 / 12			P-1 Line Item Number / Title: 352010 / Cartridges					Item Number / Title [DODIC]: - / (AA22) 20MM PGU-28A/B SEMI-AP, HEI				
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	GENERAL DYNAMICS AND ALLIANT TECH / MARION, IL AND MESA, AZ	MIPR	AFLCMC Hill AFB	Sep 2014	Sep 2015	757,023	20.00	Y		
LOAD, ASSEMBLE, PACK		2015	UNKNOWN / UNKNOWN	MIPR	AFLCMC Hill AFB	Mar 2015	Mar 2016	160,721	23.00	Y		
LOAD, ASSEMBLE, PACK - Mar 2016		2016	UNKNOWN / UNKNOWN	MIPR	AFLCMC Hill AFB	Mar 2016	Mar 2017	213,186	25.00	Y		
LOAD, ASSEMBLE, PACK - Mar 2016	✓	2016	UNKNOWN / UNKNOWN	MIPR	AFLCMC Hill AFB	Mar 2016	Mar 2017	332,136	25.00	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 / 12		P-1 Line Item Number / Title: 352010 / Cartridges
		Item Number / Title [DODIC]: - / (AA24) 20MM, TP PGU-27A/B

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)	-	20.505	24.482	12.348	-	12.348
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	20.505	24.482	12.348	-	12.348
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	20.505	24.482	12.348	-	12.348

(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 ^(†)	-	-	-	9.00	1,372,328	12.351	11.00	2,160,694	23.768	11.00	1,088,957	11.979	-	-	-	11.00	1,088,957	11.979
BOX METAL M548	-	-	-	34.00	5,626	0.191	40.00	8,859	0.354	40.00	4,465	0.179	-	-	-	40.00	4,465	0.179
PALLET MK3-0	-	-	-	158.00	274	0.043	172.00	432	0.074	182.90	218	0.040	-	-	-	182.90	218	0.040
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	12.586	-	-	24.196	-	-	12.197	-	-	-	-	-	12.197
<i>Subtotal: Hardware - Hardware End Item Cost</i>	-	-	-	-	-	12.586	-	-	24.196	-	-	12.197	-	-	-	-	-	12.197
Support - Support End Item Cost																		
QUALITY ASSURANCE	-	-	-	-	-	7.914	-	-	0.011	-	-	0.015	-	-	-	-	-	0.015
FIRST ARTICLE TEST	-	-	-	-	-	-	-	-	0.273	-	-	0.134	-	-	-	-	-	0.134
ACCEPTANCE TESTING	-	-	-	-	-	0.005	-	-	0.002	-	-	0.002	-	-	-	-	-	0.002
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	7.919	-	-	0.286	-	-	0.151	-	-	-	-	-	0.151
Gross/Weapon System Cost	-	-	-	-	-	20.505	-	-	24.482	-	-	12.348	-	-	-	-	-	12.348

Remarks:

Prices are provided by the Single Manager for Conventional Ammunition (SMCA), Department of the Army. Prices shown represent the SMCA efforts to obtain containers, pallets, explosive material, lugs, etc. for the DoD Military Services purchasing the same or similar items, and to load, assemble and pack the Air Force order. Cost drivers may include economic price adjustments, currency rate fluctuations, price of complex or scarce materials and orders from other Military Services (increases/decreases).

Load, Assemble and Pack (LAP) costs are applicable to production, build-up and packaging the individual round. The LAP quantity is the number of completed rounds to be delivered into the AF inventory.

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Exhibit P-5, Cost Analysis: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (AA24) 20MM, TP PGU-27A/B
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
<p>Packaging, Crating and Handling (PC&H) cost is associated with transferring the completed order from production to the first destination.</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 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (AA24) 20MM, TP PGU-27A/B
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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	GENERAL DYNAMICS AND ALLIANT TECH / MARION, IL AND PLYMOUTH, MN	MIPR	AFLCMC Hill AFB	Sep 2014	Sep 2015	1,372,328	9.00	Y		
LOAD, ASSEMBLE, PACK		2015	UNKNOWN / UNKNOWN	MIPR	AFLCMC Hill AFB	Mar 2015	Mar 2016	2,160,694	11.00	Y		
LOAD, ASSEMBLE, PACK		2016	UNKNOWN / UNKNOWN	MIPR	AFLCMC Hill AFB	Mar 2016	Mar 2017	1,088,957	11.00	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 / 12						P-1 Line Item Number / Title: 352010 / Cartridges						Aggregated Items Title: (AA40) 5.56MM, FRANGIBLE							

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																				
5.56 MM FRANG (AA40)	A		-	-	-	0.41	24,390,243	10.000	0.44	18,181,818	8.000	0.45	17,777,777	8.000	-	-	-	0.45	17,777,777	8.000
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	10.000	-	-	8.000	-	-	8.000	-	-	-	-	-	8.000
Total			-	-	-	-	-	10.000	-	-	8.000	-	-	8.000	-	-	-	-	-	8.000

Remarks:

The Air Force purchases Frangible rounds through the Dept of Navy. Prices for current and/or prior fiscal years represent the Vendor's total cost for completed and boxed rounds. Prices for budget years are estimates from industry obtained from the Navy.

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Exhibit P-5, Cost Analysis: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (AB57) 5.56MM BALL, LEAD FREE, CLIPPED

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)	-	8.000	7.000	5.548	-	5.548
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	8.000	7.000	5.548	-	5.548
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	8.000	7.000	5.548	-	5.548

(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 ^(t)	-	-	-	0.25	30,029,064	7.507	0.40	15,547,203	6.219	0.31	16,413,635	5.088	-	-	-	0.31	16,413,635	5.088
BOX, METAL M2A2	-	-	-	11.00	36,035	0.396	13.21	18,656	0.246	12.00	19,696	0.236	-	-	-	12.00	19,696	0.236
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	7.904	-	-	6.465	-	-	5.325	-	-	-	-	-	5.325
<i>Subtotal: Hardware - Hardware End Item Cost</i>	-	-	-	-	-	7.904	-	-	6.465	-	-	5.325	-	-	-	-	-	5.325
Support - Support End Item Cost																		
PRODUCTION ENGINEERING	-	-	-	-	-	0.078	-	-	0.376	-	-	0.223	-	-	-	-	-	0.223
ACCEPTANCE TESTING	-	-	-	-	-	0.017	-	-	0.157	-	-	-	-	-	-	-	-	-
QUALITY ASSURANCE	-	-	-	-	-	0.001	-	-	0.002	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	0.096	-	-	0.535	-	-	0.223	-	-	-	-	-	0.223
Gross/Weapon System Cost	-	-	-	-	-	8.000	-	-	7.000	-	-	5.548	-	-	-	-	-	5.548

^(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 / 12			P-1 Line Item Number / Title: 352010 / Cartridges					Item Number / Title [DODIC]: - / (AB57) 5.56MM BALL, LEAD FREE, CLIPPED				
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	ALLIANT TECH SYS (LCAAP) / INDEPENDENCE, MO	MIPR	AFLCMC Hill AFB	Jun 2014	Nov 2014	30,029,064	0.25	Y		
LOAD, ASSEMBLE, PACK		2015	OLIN AND ALLIANT / INDEPENDENCE, MO AND EAST ALTON, IL	MIPR	AFLCMC Hill AFB	Mar 2015	Aug 2015	15,547,203	0.40	Y		
LOAD, ASSEMBLE, PACK		2016	UNKNOWN / UNKNOQWN	MIPR	AFLCMC Hill AFB	Mar 2016	Mar 2017	16,413,635	0.31	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 / 12						P-1 Line Item Number / Title: 352010 / Cartridges									Aggregated Items Title: (AB98) 25MM PGU-48/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																				
25MM PGU-48/B	A		-	-	-	-	-	-	-	-	-	-	-	12.000	-	-	-	-	-	12.000
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	-	-	-	-	-	-	12.000	-	-	-	-	-	12.000
Total			-	-	-	-	-	-	-	-	-	-	-	12.000	-	-	-	-	-	12.000

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Exhibit P-5, Cost Analysis: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (B116) 30MM PGU-15/B, TP

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)	-	16.745	32.250	27.043	-	27.043
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	16.745	32.250	27.043	-	27.043
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	16.745	32.250	27.043	-	27.043

(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 ^(†)	-	-	-	19.00	865,950	16.453	22.00	1,336,035	29.393	22.00	1,128,123	24.819	-	-	-	22.00	1,128,123	24.819
CONTAINER CNU-332E	-	-	-	-	-	-	498.00	2,405	1.198	487.00	2,030	0.989	-	-	-	487.00	2,030	0.989
TUBE AND STRAP ASSEMBLY	-	-	-	-	-	-	442.00	2,405	1.063	450.00	2,030	0.914	-	-	-	450.00	2,030	0.914
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	16.453	-	-	31.653	-	-	26.721	-	-	-	-	-	26.721
<i>Subtotal: Hardware - Hardware End Item Cost</i>	-	-	-	-	-	16.453	-	-	31.653	-	-	26.721	-	-	-	-	-	26.721
Support - Support End Item Cost																		
QUALITY ASSURANCE	-	-	-	-	-	0.011	-	-	0.006	-	-	0.005	-	-	-	-	-	0.005
ACCEPTANCE TESTING	-	-	-	-	-	0.060	-	-	0.016	-	-	0.066	-	-	-	-	-	0.066
FIRST ARTICLE TEST	-	-	-	-	-	0.221	-	-	0.575	-	-	0.251	-	-	-	-	-	0.251
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	0.292	-	-	0.597	-	-	0.322	-	-	-	-	-	0.322
Gross/Weapon System Cost	-	-	-	-	-	16.745	-	-	32.250	-	-	27.043	-	-	-	-	-	27.043

Remarks:

Prices are provided by the Single Manager for Conventional Ammunition (SMCA), Department of the Army. Prices shown represent the 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 the Air Force order. Cost drivers may include economic price adjustments, currency rate fluctuations, price of complex or scarce materials and orders from other Military Services (increases/decreases).

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Exhibit P-5, Cost Analysis: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (B116) 30MM PGU-15/B, TP
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	
Load, Assemble and Pack (LAP) costs are applicable to production, build-up and packaging the individual round.		
(†) 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 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (B116) 30MM PGU-15/B, TP
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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	GENERAL DYNAMICS AND ALLIANT TECH / MARION, IL AND MESA, AZ	MIPR	AFLCMC Hill AFB	Aug 2014	May 2015	865,950	19.00	Y		
LOAD,ASSEMBLE,PACK		2015	UNKNOWN / UNKNOWN	MIPR	AFLCMC Hill AFB	Mar 2015	Mar 2016	1,336,035	22.00	Y		
LOAD,ASSEMBLE,PACK		2016	UNKNOWN / UNKNOWN	MIPR	AFLCMC Hill AFB	Mar 2016	Mar 2017	1,128,123	22.00	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 / 12						P-1 Line Item Number / Title: 352010 / Cartridges						Aggregated Items Title: (MG62) BBU-35/B IMPULSE CARTRIDGE							

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																				
(MG62) BBU-35/B IMPULSE CARTRIDGE	A		-	-	-	2.40	3,333,333	8.000	2.48	2,650,403	6.573	2.50	3,170,800	7.927	-	-	-	2.50	3,170,800	7.927
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	8.000	-	-	6.573	-	-	7.927	-	-	-	-	-	7.927
Total			-	-	-	-	-	8.000	-	-	6.573	-	-	7.927	-	-	-	-	-	7.927

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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 / 12						P-1 Line Item Number / Title: 352010 / Cartridges						Aggregated Items Title: (SS27) BBU-48/B IMPULSE CARTRIDGE							

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																				
(SS27) BBU-48/B IMPULSE CARTRIDGE	A		-	-	-	9.20	543,478	5.000	9.29	538,213	5.000	9.39	532,481	5.000	-	-	-	9.39	532,481	5.000
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	5.000	-	-	5.000	-	-	5.000	-	-	-	-	-	5.000
Total			-	-	-	-	-	5.000	-	-	5.000	-	-	5.000	-	-	-	-	-	5.000

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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 / 12						P-1 Line Item Number / Title: 352010 / Cartridges						Aggregated Items Title: CARTRIDGES (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)
AMMUNITION CARTRIDGES																				
(A014) CTG, 12 GA SHOTGUN, 7-1/2 PLASTIC	A		-	-	-	0.56	17,857	0.010	0.28	35,714	0.010	-	-	-	-	-	-	-	-	-
(A017) CTG, 12 GA BUCKSHOT	A		-	-	-	-	-	-	0.31	32,258	0.010	0.31	32,258	0.010	-	-	-	0.31	32,258	0.010
(A062) CTG, 5.56MM BALL M855 LINKED	A		-	-	-	-	-	-	0.30	2,500,000	0.750	0.30	6,666,667	2.000	-	-	-	0.30	6,666,667	2.000
(A075) CTG 5.56MM BLANK SAW LINKED	A		-	-	-	0.22	77,272	0.017	-	-	-	-	-	-	-	-	-	-	-	-
(A080) CTG, 5.56MM BLANK M200	A		-	-	-	0.16	1,287,500	0.206	-	-	-	0.17	1,764,705	0.300	-	-	-	0.17	1,764,705	0.300
(A091) CTG, .22 CAL LONG RIFLE	A		-	-	-	0.16	937,500	0.150	-	-	-	0.17	382,353	0.065	-	-	-	0.17	382,353	0.065
(A111) CTG, 7.62MM BLANK M82 LINKED	A		-	-	-	0.41	73,170	0.030	-	-	-	-	-	-	-	-	-	-	-	-
(A131) CTG, 7.62MM BALL 4-1 LINKED	A		-	-	-	0.61	1,639,344	1.000	0.58	1,724,137	1.000	0.58	1,293,103	0.750	-	-	-	0.58	1,293,103	0.750
(A164) CTG, 7.62MM LINKED	A		-	-	-	0.51	1,960,784	1.000	0.53	1,886,792	1.000	0.54	3,703,703	2.000	-	-	-	0.54	3,703,703	2.000
(A246) CTG, .30 CAL BALL BULK	A		-	-	-	-	-	-	0.24	104,167	0.025	-	-	-	-	-	-	-	-	-
(A257) CTG, 7.62MM 9-1 DIM TRACER	A		-	-	-	-	-	-	-	-	-	0.53	377,358	0.200	-	-	-	0.53	377,358	0.200
(A363) 9MM BALL NATO XM882 PISTOL	A		-	-	-	0.21	11,904,762	2.500	0.19	10,526,316	2.000	0.20	5,000,000	1.000	-	-	-	0.20	5,000,000	1.000
(A403) CTG, .38 CAL SP BLANK	A		-	-	-	0.57	45,614	0.026	-	-	-	-	-	-	-	-	-	-	-	-
(A404) CTG, .38 CAL SP BALL WADCUTTER	A		-	-	-	-	-	-	0.86	11,627	0.010	0.87	11,494	0.010	-	-	-	0.87	11,494	0.010
(A475) CTG, CAL .45 BALL M1911	A		-	-	-	0.63	163,492	0.103	-	-	-	-	-	-	-	-	-	-	-	-
(A482) CTG CAL .45 BALL WADCUTTER	A		-	-	-	0.51	392,156	0.200	0.51	392,156	0.200	0.52	384,615	0.200	-	-	-	0.52	384,615	0.200
(A483) CTG CAL .45 BALL M1911 MTCHGRD	A		-	-	-	0.62	161,290	0.100	0.34	735,294	0.250	0.34	147,059	0.050	-	-	-	0.34	147,059	0.050
(A552) CTG, .50 CAL BALL SINGLE ROUND, M33	A		-	-	-	2.02	159,900	0.323	2.26	88,496	0.200	2.05	243,902	0.500	-	-	-	2.05	243,902	0.500

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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 / 12					P-1 Line Item Number / Title: 352010 / Cartridges										Aggregated Items Title: CARTRIDGES (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)
(A555) CTG, CAL .50 BALL M2 LINKED	A		-	-	-	1.96	2,040,816	4.000	2.65	1,132,075	3.000	2.35	1,276,595	3.000	-	-	-	2.35	1,276,595	3.000
(A557) CTG, CAL .50 BALL/TRACER/ LINKED M2/M9	A		-	-	-	2.01	1,243,781	2.500	2.11	947,867	2.000	2.04	980,392	2.000	-	-	-	2.04	980,392	2.000
(A598) CTG CAL.50 BLNK CRMPD W/M9 LNK	A		-	-	-	1.36	183,824	0.250	-	-	-	-	-	-	-	-	-	-	-	-
(A606) CTG, CAL.50 API MK211 MOD 0	A		-	-	-	10.81	1,850	0.020	-	-	-	10.88	64,338	0.700	-	-	-	10.88	64,338	0.700
(A607) CTG, .50 CAL ARMOR PIERCING INCENDIARY	A		-	-	-	7.88	126,903	1.000	7.96	326,633	2.600	8.00	87,500	0.700	-	-	-	8.00	87,500	0.700
(AA01) CTG 5.56MM AP M995 LKD	A		-	-	-	1.91	23,560	0.045	-	-	-	-	-	-	-	-	-	-	-	-
(AA02) CTG 5.56MM AP/TR M995/M856 4-1	A		-	-	-	2.37	351,898	0.834	2.37	138,818	0.329	-	-	-	-	-	-	-	-	-
(AA03) CTG, 7.62 M993 AP	A		-	-	-	2.84	10,563	0.030	-	-	-	2.90	34,482	0.100	-	-	-	2.90	34,482	0.100
(AA04) CTG, 7.62MM 4 AP M9331/1TR M62 W/LK M13	A		-	-	-	-	-	-	-	-	-	24.01	12,494	0.300	-	-	-	24.01	12,494	0.300
(AA11) CTG, 7.62 NATO M118 SPEC BALL	A		-	-	-	0.69	869,565	0.600	0.68	2,941,176	2.000	0.67	746,269	0.500	-	-	-	0.67	746,269	0.500
(AA16) 9 MILLIME CARTRIDGE FRANG	A		-	-	-	0.29	8,620,689	2.500	0.29	10,344,828	3.000	0.30	10,000,000	3.000	-	-	-	0.30	10,000,000	3.000
(AA50) .50 CAL DIM TRACER	A		-	-	-	6.00	371,333	2.228	-	-	-	-	-	-	-	-	-	-	-	-
(AA51) 12 GA NON-LETHAL PT-CONT	A		-	-	-	2.07	110,628	0.229	2.10	50,952	0.107	2.12	94,339	0.200	-	-	-	2.12	94,339	0.200
(AA52) 12 GA NON-LETHAL CROWD	A		-	-	-	2.28	208,771	0.476	2.31	103,030	0.238	2.34	85,470	0.200	-	-	-	2.34	85,470	0.200
(AB09) 5.56 BLUE MARKING CARTRIDGE	A		-	-	-	0.69	1,449,275	1.000	0.71	563,380	0.400	0.70	1,000,000	0.700	-	-	-	0.70	1,000,000	0.700
(AB10) 5.56 RED MARKING CARTRIDGES	A		-	-	-	0.69	1,449,275	1.000	0.71	633,802	0.450	0.70	1,000,000	0.700	-	-	-	0.70	1,000,000	0.700
(AB13) 9MM BLUE MARKING CARTRIDGE	A		-	-	-	0.61	819,672	0.500	0.68	735,294	0.500	0.62	806,452	0.500	-	-	-	0.62	806,452	0.500

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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 / 12						P-1 Line Item Number / Title: 352010 / Cartridges									Aggregated Items Title: CARTRIDGES (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)
(AB14) 9M RED MARKING CARTRIDGE	A		-	-	-	0.61	819,672	0.500	0.68	735,294	0.500	0.62	806,452	0.500	-	-	-	0.62	806,452	0.500
(AB16) 5.56 BLUE LINKED MARKING CART	A		-	-	-	0.82	609,756	0.500	-	-	-	-	-	-	-	-	-	-	-	-
(AB17) 5.56 RED LINKED MARKING CART	A		-	-	-	0.82	609,756	0.500	-	-	-	-	-	-	-	-	-	-	-	-
(AB39) 7.62MM SPECIAL BALL, LONG RANGE	A		-	-	-	32.00	31,250	1.000	32.00	62,500	2.000	32.48	61,576	2.000	-	-	-	32.48	61,576	2.000
(AB56) 5.56MM M855A1 LINKED LEAD FREE CART	A		-	-	-	-	-	-	0.36	2,777,778	1.000	0.36	2,777,778	1.000	-	-	-	0.36	2,777,778	1.000
(AB46) 5.56MM SINGLE ROUND DUMMY	A		-	-	-	-	-	-	0.40	312,500	0.125	-	-	-	-	-	-	-	-	-
(AB47) 7.62MM DUMMY	A		-	-	-	-	-	-	0.35	200,000	0.070	-	-	-	-	-	-	-	-	-
(AB67) 5.56MM PRACTICE SINGLE ROUND	A		-	-	-	-	-	-	-	-	-	1.35	1,851,851	2.500	-	-	-	1.35	1,851,851	2.500
(AB48) .50 CAL SINGLE DUMMY CART	A		-	-	-	-	-	-	0.35	114,285	0.040	-	-	-	-	-	-	-	-	-
(AB72) CTG, 7.62MM SINGLE ROUND BLANK (was A112)	A		-	-	-	0.73	205,479	0.150	0.36	208,333	0.075	-	-	-	-	-	-	-	-	-
(AY04) CTG, BIRDSCARE, 12 GAGE,PGU-26P	A		-	-	-	1.06	46,226	0.049	-	-	-	-	-	-	-	-	-	-	-	-
(B519) CARTRIDGE, 40MM PRACTICE M781	A		-	-	-	4.88	61,475	0.300	4.88	409,836	2.000	-	-	-	-	-	-	-	-	-
(B472) 40MM DUMMY M385 CART	A		-	-	-	37.32	1,339	0.050	-	-	-	-	-	-	-	-	-	-	-	-
(B535) 40MM SWS M583	A		-	-	-	44.07	1,429	0.063	44.54	22,451	1.000	-	-	-	-	-	-	-	-	-
(B576) CTG, 40MM PRACTICE, LINKED, HIGH VELOCITY	A		-	-	-	18.44	208,026	3.836	18.45	108,401	2.000	19.80	101,010	2.000	-	-	-	19.80	101,010	2.000
(BA06) 40MM M385A1 PRACTICE CART	A		-	-	-	7.73	30,142	0.233	-	-	-	-	-	-	-	-	-	-	-	-

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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 / 12						P-1 Line Item Number / Title: 352010 / Cartridges									Aggregated Items Title: CARTRIDGES (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)
AIR FORCE SHOOTING TEAM	A		-	-	-	-	-	0.175	-	-	0.175	-	-	0.175	-	-	-	-	-	0.175
(BA13) 40MM CROWD CONTROL CART	A		-	-	-	17.81	6,176	0.110	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: AMMUNITION CARTRIDGES</i>			-	-	-	-	-	30.343	-	-	29.064	-	-	27.860	-	-	-	-	-	27.860
IMPULSE CARTRIDGES																				
(3W37) CHAFF, RR-188	A		-	-	-	-	-	-	-	-	-	3.37	593,471	2.000	-	-	-	3.37	593,471	2.000
(JN31) CU-168 SQUIB	A		-	-	-	-	-	-	600.00	833	0.500	600.00	1,666	1.000	-	-	-	600.24	1,666	1.000
(MG11) CTG,IMPULSE,BBU-36/B	A		-	-	-	1.68	746,130	1.254	1.70	1,117,647	1.900	3.60	555,556	2.000	-	-	-	3.60	555,556	2.000
(MG62) CTG, IMPULSE BBU-35/B	A		-	-	-	2.37	538,607	1.277	2.37	668,741	1.585	-	-	-	-	-	-	-	-	-
(SS27) CTG, IMPLUSE, BBU-48/B	A		-	-	-	9.32	100,429	0.936	9.08	109,566	0.995	-	-	-	-	-	-	-	-	-
(WA83) CCU-136	A		-	-	-	-	-	-	3.55	1,408	0.005	3.59	1,392	0.005	-	-	-	3.59	1,392	0.005
(WB24) CCU-145	A		-	-	-	-	-	-	4.75	5,263	0.025	4.78	5,230	0.025	-	-	-	4.78	5,230	0.025
(WB33) CTG, IMP ARD 446-1B	A		-	-	-	-	-	-	-	-	-	8.20	109,756	0.900	-	-	-	8.20	109,756	0.900
(M189) ARD 863 IMPULSE CART	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(M190) IMPULSE CARTRIDGE MK1 MOD1	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(M943) MK107 IMPULSE CARTRIDGE	A		-	-	-	-	-	-	116.90	16,253	1.900	-	-	-	-	-	-	-	-	-
(MT40) BBU-46 SQUIB, ELECTRIC	A		-	-	-	78.98	12,661	1.000	79.03	6,326	0.500	79.88	7,110	0.568	-	-	-	79.89	7,110	0.568
(SS44) BBU-63/B IMPULSE CARTRIDGE	A		-	-	-	523.00	5,736	3.000	527.85	650	0.343	534.66	5,611	3.000	-	-	-	534.66	5,611	3.000
(SY16) RR-180 CHAFF CARTRIDGE	A		-	-	-	9.43	318,133	3.000	11.57	172,860	2.000	11.53	260,191	3.000	-	-	-	11.53	260,191	3.000
<i>Subtotal: IMPULSE CARTRIDGES</i>			-	-	-	-	-	10.466	-	-	9.753	-	-	12.498	-	-	-	-	-	12.498
Total			-	-	-	-	-	40.809	-	-	38.817	-	-	40.358	-	-	-	-	-	40.358

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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 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Aggregated Items Title: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)

Remarks:

All Ammunition Cartridges:

Prices are provided by the Single Manager for Conventional Ammunition (SMCA), Department of the Army. Prices shown represent the SMCA efforts to obtain munitions items for the DoD Military Services purchasing the same or similar items. Cost drivers include economic price adjustments, currency rate fluctuations, price of complex or scarce materials and orders from other Military Services (increases/decreases). FY14 price changes are due to new contracts with Lake City Army Ammo Plant (LCAAP) and the planned procurements of other customers.

The Navy procures Frangible rounds such as DODIC AA16, 9MM for the Air Force and prices provided based on vendor estimates and AF and Navy combined planned procurements.

All Chaff and Impulse Cartridges:

Items are managed and procured through OO-ALC. Prices are estimates from industry.