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**Department of Defense
Fiscal Year (FY) 2017 Request for Additional Appropriations**

March 2017



Army

*Justification Book of
Procurement of Ammunition, Army*

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PROCUREMENT OF AMMUNITION ARMY

Appropriation Language

For construction, procurement, production, modification, and modernization of ammunition, and accessories therefore; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities, authorized by Sec 2854 of Title 10, United States Code, and land necessary therefore, for the foregoing purposes, and such lands and interest therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, Base \$1,999,842 and OCO \$301,523 to remain available for obligation until September 30, 2019.

Cost Statement

The following Justification Books were prepared at a cost of \$69,900: Aircraft (ACFT), Missile (MSLS), Weapons & Tracked Combat Vehicles (WTCV), Ammunition (AMMO), Other Procurement Army (OPA) 2 - Communications & Electronics, Other Procurement Army (OPA) 3 & 4 - Other Support Equipment & Spares, Research, Development, Test and Evaluation (RDTE) for: Budget Activity 3, Budget Activity 4, Budget Activity 5A, Budget Activity 5B, Budget Activity 6, and Budget Activity 7.

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Department of the Army
 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)
 Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)
 Total Obligational Authority
 (Dollars in Thousands)

08 Mar 2017

Appropriation	FY 2017 PB Request Base -----	FY 2017 Mar Amended Request Base -----	FY 2017 Revised PB Request Base -----	EY 20.17 PB Request OCO -----
Procurement of Ammunition, Army	1,513,157	486,685	1,999,842	301,523
Total Department of the Army	1,513,157	486,685	1,999,842	301,523

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 Total Obligational Authority
 (Dollars in Thousands)

08 Mar 2017

Appropriation	FY 2017 Nov Amended Request OCO	FY 2017 Mar Amended Request OCO	FY 2017 Total OCO Request	FY 2017 Less Enacted Div.B,P.L. 114-254 OCO
Procurement of Ammunition, Army			301 , 523	
Total Department of the Army			301,523	

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Department of the Army
 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)
 Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (COCO)
 Total Obligational Authority
 (Dollars in Thousands) 08 Mar 2017

Appropriation	FY 2017 Remaining PB Request OCO	FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO	FY 2017 Mar Amended Request Base+OCO	FY 2017 PB Remaining Base+OCO
	-----	-----	-----	-----
Procurement of Ammunition, Army	301,523	1,814,680	486,685	2,301,365
Total Department of the Army	301,523	1,814,680	486,685	2,301,365

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Department of the Army

March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)

Budget Activity	FY 2017 PB Request Base	FY 2017 Mar Amended Request Base	FY 2017 Revised PB Request Base	FY 2017 PB Request OCO
	-----	-----	-----	-----
01. Ammunition	1,129,859	304,295	1,434,154	301,523
02. Ammunition Production Base Support	383,298	182,390	565,688	
Total Procurement of Ammunition, Army	1,513,157	486,685	1,999,842	301,523

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Department of the Army
March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)
Exhibit P-1: March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)
Total Obligational Authority
(Dollars in Thousands) 08 Mar 2017

~~Appropriation: Procurement of Ammunition, Army~~

Budget Activity	FY 2017 Nov Amended Request OCO	FY 2017 Mar Amended Request OCO	FY 2017 Total OCO Request	FY 2017 Les_s Enacted Div .B, P.L. 114-254 OCO
1. Ammunition			301,523	
2. Ammunition Production Base Support				
Total Procurement of Ammunition, Army			301,523	

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Department of the Army
 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)
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 Total Obligational Authority
 (Dollars in Thousands)

08 Mar 2017

Appropriation: Procurement of Ammunition, Army

Budget Activity	E'Y 2017 Remaining PB Request OCO -----	FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO -----	FY 2017 Mar Amended Request Base+OCO -----	FY 2017 PB Remaining Base+OCO -----
1. Ammunition	301,523	1,431,382	304,295	1,735,677
2. Ammunition Production Base Support		383,298	182,390	565,688
Total Procurement of Ammunition, Army	301,523	1,814,680	486,685	2,301,365

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Department of the Army
 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)
 Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)
 Total Obligational Authority
 (Dollars in Thousands) 08 Mar 2017

Appropriation: 2034A Procurement of Ammunition, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		FY 2017 PB Request OCO		S e c
			Quantity -----	Cost	Quantity -----	Cost	Quantity -----	Cost	Quantity -----	Cost	
Budget Activity 01: Ammunition											
Small/Medium Cal Ammunition											
1	Ctg, 5.56mm, All Types	A		40,296	4,000		44,296				U
2	CTG, 7.62mm, All Types	A		39,237	7,000		46,237		9,642		U
3	CTG, Handgun, All Types	A		5,193	4,000		9,193				U
4	CTG, .50 Cal, All Types	A		46,693	7,000		53,693		6,607		U
5	CTG, 20mm, All Types	A		7,000	28,000		35,000		1,077		U
6	CTG, 25mm, All Types	A		7,753			7,753		28,534		U
7	CTG, 30mm, All Types	A		47,000	8,200		55,200		20,000		U
8	CTG, 40mm, All Types	A		118,178			118,178		7,423		U
Mortar Ammunition											
9	60MM Mortar, All Types			69,784			69,784		10,000		U
10	81MM Mortar, All Types			36,125			36,125		2,677		U
11	120MM Mortar, All Types	A		69,133	27,300		96,433				U
Tank Ammunition											
12	Cartridges, Tank, 105MM and 120MM, All Types	A		120,668	15,000		135,668		8,999		U
Artillery Ammunition											
13	Artillery Cartridges, 75MM & 105MM, All Types	A		64,800	4,490		69,290				U
14	Artillery Projectile, 155MM, All Types			109,515	2,238		111,753		30,348		U

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 Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)
 Total Obligational Authority
 (Dollars in Thousands) 08 Mar 2017

Appropriation: 2034A Procurement of Ammunition, Army

Line No	Item Nomenclature	Ident Code	FY 2017 Nov Amended Request OCO		FY 2017 Mar Amended Request OCO		FY 2017 Total OCO Request		FY 2017 Less Enacted Div.B,P.L. 114-254 OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
			-----		-----		-----,-		-----		
Budget Activity 01: Ammunition											
Small/Medium Cal Ammunition											
1	Ctg, 5.56mm, All Types	A									U
2	CTG, 7.62mm, All Types	A					9,642				U
3	CTG, Handgun, All Types	A									U
4	CTG, .50 Cal, All Types	A					6,607				U
5	CTG, 20mm, All Types	A					1,077				U
6	CTG, 25mm, All Types	A					28,534				U
7	CTG, 30mm, All Types	A					20,000				U
8	CTG, 40mm, All Types	A					7,423				U
Mortar Ammunition											
9	60MM Mortar, All Types						10,000				U
10	81MM Mortar, All Types						2,677				U
11	120MM Mortar, All Types	A									U
Tank Ammunition											
12	Cartridges, Tank, 105MM and 120MM, All Types	A					8,999				U
Artillery Ammunition											
13	Artillery Cartridges, 75MM & 105MM, All Types	A									U

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 (Dollars in Thousands) 08 Mar 2017

Appropriation: 2034A Procurement of Ammunition, Army

Line No	Item Nomenclature	Ident Code	FY 2017 Remaining PB Request OCO		FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO		FY 2017 Mar Amended Request Base+OCO		FY 2017 PB Remaining Base+OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Ammunition											
Small/Medium Cal Ammunition											
1	Ctg, 5.56rnrn, All Types	A			40,296		4,000		44,296		U
2	CTG, 7.62rnrn, All Types	A		9,642	48,879		7,000		55,879		U
3	CTG, Handgun, All Types	A			5,193		4,000		9,193		U
4	CTG, .50 Cal, All Types	A		6,607	53,300		7,000		60,300		U
5	CTG, 20rnrn, All Types	A		1,077	8,077		28,000		36,077		U
6	CTG, 25mrn, All Types	A		28,534	36,287				36,287		U
7	CTG, 30mrn, All Types	A		20,000	67,000		8,200		75,200		U
8	CTG, 40mrn, All Types	A		7,423	125,601				125,601		U
Mortar Ammunition											
9	60MM Mortar, All Types			10,000	79,784				79,784		U
10	81MM Mortar, All Types			2,677	38,802				38,802		U
11	120MM Mortar, All Types	A			69,133		27,300		96,433		U
Tank Ammunition											
12	Cartridges, Tank, 105MM and 120MM, All Types	A		8,999	129,667		15,000		144,667		U
Artillery Ammunition											
13	Artillery Cartridges, 75MM & 105MM, All Types	A			64,800		4,490		69,290		U
14	Artillery Projectile, 155MM, All Types			30,348	139,863		2,238		142,101		U

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 Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)
 Total Obligational Authority
 (Dollars in Thousands) 08 Mar 2017

Appropriation: 2034A Procurement of Ammunition, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		FY 2017 PB Request OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
15	Proj 155mm Extended Range M982	A		39,200	1839	135,400	1839	174,600		140	U
16	Artillery Propellants, Fuzes and Primers, All	A		70,881		51,667		122,548		29,655	U
Mines											
17	Mines & Clearing Charges, All Types									16,866	U
Networked Munitions											
18	Spider Network Munitions, All Types									10,353	U
Rockets											
19	Shoulder Launched Munitions, All Types	A		38,000				38,000		63,210	U
20	Rocket, Hydra 70, All Types	A		87,213		10,000		97,213		42,851	U
Other Ammunition											
21	CAD/PAD, All Types	A		4,914				4,914			U
22	Demolition Munitions, All Types	A		6,380				6,380		6,373	U
23	Grenades, All Types	A		22,760				22,760		4,143	U
24	Signals, All Types	A		10,666				10,666		1,852	U
25	Simulators, All Types	A		7,412				7,412			U
Miscellaneous											
26	Ammo Components, All Types	A		12,726				12,726			U
27	Non-Lethal Ammunition, All Types	A		6,100				6,100		773	U
28	Items Less Than \$5 Million (AMMO)	A		10,006				10,006			U

P-1AMF: Budget Amendment to the FY 2017 President's Budget Request (Published Version), as of March 8, 2017 at 10:55:00

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Department of the Army
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 Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)
 Total Obligational Authority
 (Dollars in Thousands) 08 Mar 2017

Appropriation: 2034A Procurement of Ammunition, Army

Line No	Item Nomenclature	Ident Code	FY 2017 Nov Amended Request		FY 2017 Mar Amended Request		FY 2017 Total OCO Request		FY 2017 Less Enacted Div.B,P.L. 114-254		S e C
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
15	Proj 155mm Extended Range M982	A						140			U
16	Artillery Propellants, Fuzes and Primers, All	A						29,655			U
Mines											
17	Mines & Clearing Charges, All Types							16,866			U
Networked Munitions											
18	Spider Network Munitions, All Types							10,353			U
Rockets											
19	Shoulder Launched Munitions, All Types	A						63,210			U
20	Rocket, Hydra 70, All Types	A						42,851			U
Other Ammunition											
21	CAD/PAD, All Types	A									U
22	Demolition Munitions, All Types	A						6,373			U
23	Grenades, All Types	A						4,143			U
24	Signals, All Types	A						1,852			U
25	Simulators, All Types	A									U
Miscellaneous											
26	Ammo Components, All Types	A									U
27	Non-Lethal Ammunition, All Types	A						773			U
28	Items Less Than \$5 Million (AMMO)	A									U

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 Total Obligational Authority
 (Dollars in Thousands) 08 Mar 2017

Appropriation: 2034A Procurement of Ammunition, Army

Line	Ident	FY 2017 Remaining PB Request OCO	FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO	FY 2017 Mar Amended Request Base+OCO	FY 2017 PB Remaining Base+OCO	S e				
No	Item Nomenclature	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	c
15	Proj 155mm Extended Range M982		140		39,340	1839	135,400	1839	174,740	U
16	Artillery Propellants, Fuzes and Primers, All		29,655		100,536		51,667		152,203	U
Mines										
17	Mines & Clearing Charges, All Types		16,866		16,866				16,866	U
Networked Munitions										
18	Spider Network Munitions, All Types		10,353		10,353				10,353	U
Rockets										
19	Shoulder Launched Munitions, All Types		63,210		101,210				101,210	U
20	Rocket, Hydra 70, All Types		42,851		130,064		10,000		140,064	U
Other Ammunition										
21	CAD/PAD, All Types				4,914				4,914	U
22	Demolition Munitions, All Types		6,373		12,753				12,753	U
23	Grenades, All Types		4,143		26,903				26,903	U
24	Signals, All Types		1,852		12,518				12,518	U
25	Simulators, All Types				7,412				7,412	U
Miscellaneous										
26	Ammo Components, All Types				12,726				12,726	U
27	Non-Lethal Ammunition, All Types		773		6,873				6,873	U
28	Items Less Than \$5 Million (AMMO)				10,006				10,006	U

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Appropriation: 2034A Procurement of Ammunition, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		FY 2017 PB Request OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
29	Ammunition Peculiar Equipment	A		17,275				17,275			u
30	First Destination Transportation (AMMO)	A		14,951				14,951			u
Total Ammunition				1,129,859		304,295		1,434,154		301,523	
Budget Activity 02: Ammunition Production Base Support											
Production Base Support											
31	Industrial Facilities			222,269		182,390		404,659			u
32	Conventional Munitions Demilitarization			157,383				157,383			u
33	Arms Initiative			3,646				3,646			u
Total Ammunition Production Base Support				383,298		182,390		565,688			
Total Procurement of Ammunition, Army				1,513,157		486,685		1,999,842		301,523	

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 (Dollars in Thousands) 08 Mar 2017

Appropriation: 2034A Procurement of Ammunition, Army

Line No	Item Nomenclature	Ident Code	FY 2017 Nov Amended Request		FY 2017 Mar Amended Request		FY 2017 Total OCO Request		FY 2017 Less Enacted Div.B,P.L. 114-254		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
29	Ammunition Peculiar Equipment	A									u
30	First Destination Transportation (AMMO)	A									u
Total Ammunition									301,523		
Budget Activity 02: Ammunition Production Base Support											
Production Base Support											
31	Industrial Facilities										u
32	Conventional Munitions Demilitarization										u
33	Arms Initiative										u
Total Ammunition Production Base Support											
Total Procurement of Ammunition, Army									301,523		

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Appropriation: 2034A Procurement of Ammunition, Army

Line No	Item Nomenclature	Account Code	FY 2017 Remaining PB Request OCO		FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO		FY 2017 Mar Amended Request Base+OCO		FY 2017 PB Remaining Base+OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
29	Ammunition Peculiar Equipment	A				17,275			17,275		U
30	First Destination Transportation (AMMO)	A				14,951			14,951		U
Total Ammunition				301,523		1,431,382		304,295	1,735,677		
Budget Activity 02: Ammunition Production Base Support											
Production Base Support											
31	Industrial Facilities					222,269		182,390	404,659		U
32	Conventional Munitions Demilitarization					157,383			157,383		U
33	Arms Initiative					3,646			3,646		U
Total Ammunition Production Base Support						383,298		182,390	565,688		
Total Procurement of Ammunition, Army				301,523		1,814,680		486,685	2,301,365		

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Appropriation 2034A: Procurement of Ammunition, Army

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2	01	30	E02000	CTG, 7.62MM, All Types.....	5
3	01	30	EA3000	CTG, Handgun, All Types.....	8
4	01	30	E08000	CTG, .50 Cal, All Types.....	11
5	01	30	E08900	CTG, 20mm, All Types.....	14
7	01	30	ER8120	CTG, 30MM, ALL TYPES.....	16
11	01	33	E25500	120MM Mortar, All Types.....	19
12	01	35	E22203	Cartridges, Tank, 105MM And 120MM, All Types.....	21
13	01	37	E15101	Artillery Cartridges, 75MM & 105MM, All Types.....	24
14	01	37	E89500	ARTILLERY PROJECTILE, 155MM, ALL TYPES.....	26
15	01	37	E80100	Proj 155mm Extended Range M982.....	29
16	01	37	E27501	Artillery Propellants, Fuzes and Primers, All.....	31
20	01	45	E37300	Rocket, Hydra 70, All Types.....	34

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Army • Request for Additional Appropriations FY 2017 • Procurement

Appropriation 2034A: Procurement of Ammunition, Army

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

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ARTILLERY PROJECTILE, 155MM, ALL TYPES	E89500	14	01	37.....	26
Artillery Cartridges, 75MM & 105MM, All Types	E15101	13	01	37.....	24
Artillery Propellants, Fuzes and Primers, All	E27501	16	01	37.....	31
CTG, .50 Cal, All Types	E08000	4	01	30.....	11
CTG, 20mm, All Types	E08900	5	01	30.....	14
CTG, 30MM, ALL TYPES	ER8120	7	01	30.....	16
CTG, 5.56MM, All Types	E00700	1	01	30.....	1
CTG, 7.62MM, All Types	E02000	2	01	30.....	5
CTG, Handgun, All Types	EA3000	3	01	30.....	8
Cartridges, Tank, 105MM And 120MM, All Types	E22203	12	01	35.....	21
Proj 155mm Extended Range M982	E80100	15	01	37.....	29
Provision of Industrial Facilities	EP1000	32	02	10.....	35
Rocket, Hydra 70, All Types	E37300	20	01	45.....	34

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Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army **Date:** March 2017

Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition	P-1 Line Item Number / Title: E00700 / CTG, 5.56MM, All Types
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,679.641	29.943	43.489	44.296	-	44.296	40.465	39.743	62.021	62.651	-	2,002.249
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,679.641	29.943	43.489	44.296	-	44.296	40.465	39.743	62.021	62.651	-	2,002.249
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,679.641	29.943	43.489	44.296	-	44.296	40.465	39.743	62.021	62.651	-	2,002.249

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

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

Description:

This budget line includes 5.56MM ALL TYPES.

(E01000) 5.56mm High Pressure Test (HPT) round is used for proofing 5.56mm weapon barrels. The cartridge case is stannic stained (silver). This round is required for testing the 5.56mm M16 and M4 family of weapons during manufacturing, test or repair. This item is Code A, approved for service use.

(E01100) 5.56mm, M200 Blank Cartridge is used for training and ceremonial purposes without blank firing attachment (BFA) and in M16A2/A4 Series Rifles and M4 Carbine fitted with BFA. This item is Code A, approved for service use.

(E01101) 5.56mm Blank M200 Linked cartridge consists of a brass cartridge case with primer and propellant sealed with a rosette crimp. This cartridge is used in the M249 Squad Automatic Weapon (SAW) Machine Gun and it is designed to simulate firing during training exercises. The M27 metallic link is merely a scaled-down version of the highly successful 7.62mm M13 one-piece link. This item is Code A, approved for service use.

(E04607) 5.56mm M855A1 Ball Cartridges and M856A1 Tracer Cartridges are linked in a 4-Ball/1-Tracer configuration with the M27 link for use in the M249 Machine Gun. The M855A1 Ball Cartridge has a steel penetrator and non-lead slug surrounded by a copper jacket. The M856A1 Tracer Cartridge is lead free and provides a visible red light signature through its trajectory. This item is Code A, approved for service use.

(E04608) 5.56mm M856A1 Tracer Bullet is lead free and provides a visible red light signature through its trajectory. The bullet is used in M16 and M4 Rifles/Carbines. This item is Code A, approved for service use.

(E95400) 5.56mm, M855A1 Ball Cartridge has a bullet with a conical steel insert and a non-lead slug in a copper alloy jacket. The cartridge is used in M16A2/A4 Rifles and M4/M4A1 Carbines. This cartridge is packed in bandoleer's in standard military can pack. This item is Code A, approved for service use.

(E95700) 5.56mm, M855A1 Ball Cartridge has a bullet with a conical steel insert and a non-lead slug in a copper alloy jacket. The cartridge is used in M16A2/A4 Rifles and M4/M4A1 Carbines. This cartridge is packed without bandoleer in standard military can pack. This item is Code A, approved for service use.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		P-1 Line Item Number / Title: E00700 / CTG, 5.56MM, All Types
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>(E96110) 5.56mm, Marking Blue M1042 is used for force-on-force training engagements. The cartridge can be fired with the existing M4 Carbine and M16A2/A3/A4 Rifles with the use of a conversion bolt. The projectile leaves a mark upon impact (similar to paintball), thus enabling after action evaluation of training scenarios. However, it differs from paintball in that it is a full complete cartridge with projectile and cartridge case containing a propulsion system for a low velocity launch. This item is Code A, approved for service use.</p> <p>(E96111) 5.56mm, Marking Red, M1042 is used for force-on-force training engagements. The cartridge can be fired with the existing M4 Carbine and M16A2/A3/A4 Rifles with the use of a conversion bolt. The projectile leaves a mark upon impact (similar to paintball), thus enabling after action evaluation of training scenarios. However, it differs from paintball in that it is a full complete cartridge with projectile and cartridge case containing a propulsion system for a low velocity launch. This item is Code A, approved for service use.</p> <p>(E96120) 5.56mm, Marking Blue, M1071 is used for force-on-force training engagements. The cartridge can be fired with the existing M249 Squad Automatic Weapon with the use of the conversion kit. The projectile leaves a mark upon impact (similar to paintball), thus enabling after action evaluation of training scenarios. However, it differs from paintball in that it is a full complete cartridge with projectile and cartridge case containing a propulsion system for a low velocity launch. This item is Code A, approved for service use.</p> <p>(E96121) 5.56mm, Marking Red, M1071 is used for force-on-force training engagements. The cartridge can be fired with the existing M249 Squad Automatic Weapon with the use of the conversion kit. The projectile leaves a mark upon impact (similar to paintball), thus enabling after action evaluation of training scenarios. However, it differs from paintball in that it is a full complete cartridge with projectile and cartridge case containing a propulsion system for a low velocity launch. This item is Code A, approved for service use.</p> <p>(E96125) 5.56mm Short Range Training M1037 clipped round will be used in live fire training scenarios. The M1037 clipped round permits training in adjacent training areas due to its reduced Surface Danger Zone (SDZ) and can be fired with existing M4 weapons. This round is used for Military Operations/Urban Terrain (MOU) operational training. This item is Code A, approved for service use.</p> <p>(E96126) 5.56mm Short Range Training Ammunition (SRTA) M1037 linked round will be used in live fire training scenarios. The M1037 Linked round permits training in adjacent training areas due to its reduced Surface Danger Zone (SDZ) and can be fired with the existing M249 family of weapons. This item is Code A, approved for service use.</p>		
<p>Justification: FY 2017 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.</p> <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>The FY 2017 Base procurement dollars in the amount of \$40.296 million supports procurement of 131.453 million cartridges</p> <p>(E01000) 5.56MM High Pressure Test (HPT) round is a testing round used exclusively for acceptance testing of 5.56mm barrels. The FY 2017 request supports annual testing requirements and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base Procurement dollars in the amount of \$0.390 million supports the procurement of 0.524 million of the M197 High Pressure Test (HPT) Cartridges. Type classification date: 1975</p> <p>(E01100) 5.56mm, M200 Blank Cartridge is a training unique item not used in combat. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base Procurement dollars in the amount of \$4.500 million supports the procurement of 27.080 million of the M200 Blank Cartridges. Type classification date: prior to 1977</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		P-1 Line Item Number / Title: E00700 / CTG, 5.56MM, All Types
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		

(E01101) 5.56mm, M200 Blank Linked F/SAW is a training unique item. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base Procurement dollars in the amount of \$2.387 million supports the procurement of 10.105 million of the M200 Blank Linked Cartridges.

Type classification date: prior to 1977

(E04607) 5.56mm M855A1 Ball and M856A1 Tracer Cartridges are training standard items used in both training and combat. The FY 2017 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2017 Base Procurement dollars in the amount of \$6.300 million supports the procurement of 15.803 million of the CTG 5.56MM M855A1 Ball and M856A1 Tracer Cartridges.

Type classification date: 1982

(E04608) 5.56mm M856A1 Tracer Bullet is lead free and is a training standard item used in training and combat. The procurement supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals.

Type classification date: 1982

(E95400) 5.56mm, M855A1 Ball Cartridge is a training standard item used in training and combat. The FY 2017 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2017 Base Procurement dollars in the amount of \$6.400 million supports the procurement of 16.813 million of the CTG 5.56MM M855A1 Ball Cartridges.

Type classification date: 1982

(E95700) 5.56mm, M855A1 Ball Cartridge is a training standard item used in training and combat. The FY 2017 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2017 Base Procurement dollars in the amount of \$18.119 million supports the procurement of 59.224 million of the M855A1 Ball Cartridges.

Type classification date: 1982

(E96110/E96111) 5.56mm, Marking Blue/Marking Red, M1042 are training unique items not used in combat. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals.

Type classification date: May 2009

(E96120) 5.56mm, Marking Blue, M1071 are training unique items not used in combat. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base Procurement dollars in the amount of \$0.350 million supports the procurement of .440 million of the Marking Blue M1071 Cartridges.

Type classification date: May 2009

(E96121) 5.56mm, Marking Red, M1071 are training unique items not used in combat. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base Procurement dollars in the amount of \$0.150 million supports the procurement of .189 million of the Marking Blue M1071 Cartridges.

Type classification date: May 2009

(E96125) 5.56mm Short Range Training Ammunition (SRTA) M1037 clipped rounds is training unique not used in combat. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base Procurement dollars in the amount of \$0.700 million supports the procurement of .503 million of the SRTA M1037 Cartridges.

Type classification date: July 2012

(E96126) M1037 5.56mm Short Range Training Ammunition (SRTA) linked round is a training unique item not used in combat. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base Procurement dollars in the amount of \$1.000 million supports the procurement of .771 million of the SRTA M1037 Cartridges.

Type classification date: July 2012

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		P-1 Line Item Number / Title: E00700 / CTG, 5.56MM, All Types
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
Amendment Justification: This increase requests an additional \$4.000 million to procure an additional 11 million M855A1 Ball Cartridges (E95700) above the PB 2017 Request. Supports meeting the Total Army Munitions Requirement.		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army **Date:** March 2017

Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition	P-1 Line Item Number / Title: E02000 / CTG, 7.62MM, All Types
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	172.740	12.418	40.715	46.237	9.642	55.879	39.704	34.701	36.823	36.788	-	429.768
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	172.740	12.418	40.715	46.237	9.642	55.879	39.704	34.701	36.823	36.788	-	429.768
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	172.740	12.418	40.715	46.237	9.642	55.879	39.704	34.701	36.823	36.788	-	429.768

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

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

Description:

This budget line includes 7.62mm ALL TYPES.

(E02011) 7.62mm M80A1 Enhanced Performance Round (EPR) Ball is linked in a 100 round belt with the M13 link for use in the M240 Machine Gun. The M80A1 Ball Cartridge has a steel penetrator and non-lead slug surrounded by a copper jacket. They are intended for use against personnel and light-armored targets. This Item is Code A, approved for service use.

(E02012) 7.62mm M80A1 Enhanced Performance Round (EPR) Ball Cartridges and M62A1 Tracer Cartridges are linked in a 100 round belt in a 4 Ball/1 Tracer configuration with the M13 link for use in the M240 Machine Gun. The M80A1 Ball Cartridge has a steel penetrator and a non-lead slug surrounded by a copper jacket. The M62A1 Tracer Cartridge provides a visible red light signature through its trajectory and is ballistically matched with the M80A1 trajectory. They are intended for use against personnel and light-armored targets. This Item is Code A, approved for service use.

(E02015) 7.62mm M82A1 Blank Bottleneck Cartridge has a bottleneck design with a paper wad closure and a red tip. The M82A1 is used in sniper training and salute ceremonies in M14 rifles without being equipped with a firing adapter. This Item is Code A, approved for service use.

(E02500) 7.62mm Dummy M172 W/M13 linked cartridge is properly weighted in terms of mass and center of gravity and is physically contoured to represent a tactical M80 7.62mm ball round. The round is coated with black oxide to visually distinguish from tactical ammunition. The round is used for weapon manufacturing testing to conduct belt-pull tests for automatic weapons and for environmental conditioning tests of weapons, mounts and ammunition. The M172 linked cartridge is also used for developing new and/or improved mount systems for the vehicles that contain the M240 Series machine gun. This Item is Code B, not approved for service use.

(E02501) 7.62mm, M63A1 Dummy, Drilled and Inert ammunition (DDI) is an inert dummy round used as an ammunition training aid and for weapon familiarization. The 7.62mm, M63A1 DDI ammunition is both nickel plated and fluted for easy recognition and to distinguish the dummy ammunition visually from tactical ammunition. This Item is Code A, approved for service use.

(E89100) 7.62mm M118 Long Range round is a match grade design intended for long range accuracy and is packed in a 20 round cardboard carton and intended for Sniper use in the M40, M110, and MK21 Rifles. It is intended for use against personnel and non-armored targets. This Item is Code A, approved for service use.

Justification:

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		P-1 Line Item Number / Title: E02000 / CTG, 7.62MM, All Types
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>FY 2017 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.</p> <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>The FY 2017 Base procurement dollars in the amount of \$39.237 million supports procurement of 34.144 million cartridges The FY 2017 OCO dollars are to support the COCOM requirement for unit equipment sets to deter potential adversaries and support the European Reassurance Initiatives and are provided in the amount of \$9.642 million supports procurement of 8.918 million cartridges.</p> <p>(E02011) 7.62mm M80A1 Enhanced Performance Round (EPR) Lead Free Slug (LFS) Ball Cartridge is a training standard item used in training and combat. The FY 2017 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2017 Base Procurement dollars in the amount of \$4.900 million supports the procurement of 5.245 million of the 7.62mm M80A1 1 Ball (EPR) (LFS) Cartridges. Type classification date: 1979</p> <p>(E02012) 7.62mm M80A1 Enhanced Performance Round (EPR) 4 Ball /1 Trace, Lead Free Slug (LFS) Cartridge /M62A1 LFS Tracer Cartridge is a training standard item used in training and combat. The FY 2017 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2017 Base Procurement dollars in the amount of \$33.000 million supports the procurement of 27.199 million of the 7.62mm M80A1 4 Ball/1Trace (EPR) (LFS) Cartridges. FY 2017 OCO dollars are to support the COCOM requirement for unit equipment sets to deter potential adversaries and support the European Reassurance Initiatives and are provided in the amount of \$9.642 million supports the procurement of 8.918 million of the 7.62mm M80A1 4 Ball/1Trace (EPR) (LFS) Cartridges. Type classification date: 1957</p> <p>(E02015) 7.62mm M82A1 Blank Bottleneck Cartridge is a training unique item not used in combat. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base Procurement dollars in the amount of \$.332 million supports the procurement of .426 million of the M82A1 Blank Bottleneck Cartridges. Type classification date: 2012</p> <p>(E02500) 7.62mm Dummy M172 W/M13 linked cartridge is a training unique item not used in combat. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base Procurement dollars in the amount of \$.170 million supports the procurement of .152 million M172 W/M13 linked Cartridges. Type classification date: 1963</p> <p>(E02501) 7.62mm Single Round (NPF DDI) M63A1 Round is a training standard item not used in combat. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base Procurement dollars in the amount of \$.256 million supports the procurement of .303 million Single Round (NPF DDI) M63A1 rounds. Type classification date: June 1963</p> <p>(E89100) 7.62mm M118 Long Range Round is a training standard item used in training and combat. The FY 2017 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2017 Base Procurement dollars in the amount of \$.579 million supports the procurement of .819 million of the 7.62mm Long Range Rounds. Type classification date: Prior to 1997</p> <p>Amendment Justification: This increase requests an additional \$7.000 million to procure an additional 5.785 million 7.62mm M80A1 Enhanced Performance Round (EPR) Ball Cartridges and M62A1 Tracer Cartridges (E02012) above the PB 2017 Request. Supports meeting the Total Army Munitions Requirement.</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		P-1 Line Item Number / Title: E02000 / CTG, 7.62MM, All Types
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army **Date:** March 2017

Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition	P-1 Line Item Number / Title: EA3000 / CTG, Handgun, All Types
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	118.112	9.655	6.801	9.193	-	9.193	9.499	10.566	10.934	11.130	-	185.890
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	118.112	9.655	6.801	9.193	-	9.193	9.499	10.566	10.934	11.130	-	185.890
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	118.112	9.655	6.801	9.193	-	9.193	9.499	10.566	10.934	11.130	-	185.890

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

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

Description:

This budget line includes CTG, Handgun, ALL TYPES.

DESCRIPTION:

(E96105) CTG, 9MM MARKING, M1041 (BLUE) is used for force on force training engagements. The cartridge can be fired with existing M9/M11 pistols and M4 rifles with use of a conversion kit. The M9 kit consists of a replacement barrel only. The M11 kit consists of a replacement barrel and recoil spring guide. The M4 kit consist of a replacement upper receiver for 9mm. A blue enameled portion of the M9, M11, and M4 barrels is visible through the ejection port of the weapons. The projectile leaves a mark upon impact (similar to paintball), enabling after action evaluation of training scenarios. It differs from paintball in that it is a full complete cartridge with projectile and cartridge case containing a propulsion system for a low velocity launch. The M1041 is required to hit targets accurately out to 12 meters. The cartridge has been safety certified to be fired in close proximity at properly protected human subjects. This item is Code A, approved for service use.

(E96107) CTG, 9MM MARKING, M1041 (RED) is used for force on force training engagements. The cartridge can be fired with existing M9/M11 pistols and M4 rifles with use of a conversion kit. The M9 kit consists of a replacement barrel only. The M11 kit consists of a replacement barrel and recoil spring guide. The M4 kit consist of a replacement upper receiver for 9mm. A blue enameled portion of the M9, M11 and M4 barrels is visible through the ejection port of the weapons. The projectile leaves a mark upon impact (similar to paintball), enabling after action evaluation of training scenarios. It differs from paintball in that it is a full complete cartridge with projectile and cartridge case containing a propulsion system for a low velocity launch. The M1041 is required to hit targets accurately out to 12 meters. The cartridge has been safety certified to be fired in close proximity at properly protected human subjects. This item is Code A, approved for service use.

(E05218) CTG, MODULAR HANDGUN SYSTEM AMMUNITION consists of four new cartridges – Ball XM1152, Special Purpose XM1153, Drilled Dummy Inert (DDI) XM1156 and Blank XM1157. The Ball cartridge is intended for use against enemy personnel, for training, and for force protection. The Special Purpose cartridge is required for use in situations where limited over-penetration of targets is necessary to reduce collateral damage. DDI cartridges are completely inert. They are plated and drilled for easy identification and used for training and weapon familiarization. Blank cartridges are used for K-9 training. These items are not yet type classified or approved for service use. The Modular Handgun System will also utilize three M1041 rounds - Blue, Red and Yellow through the use of a weapon adapter kit. This item is Code B, not approved for service use.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		P-1 Line Item Number / Title: EA3000 / CTG, Handgun, All Types
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>(E05217) CTG,9MM SINGLE ROUND, Dummy Drill and Inert (DDI), M917A1 ammunition cartridge is an inert (no energetic) dummy round used as an ammunition training aid and for weapon familiarization. This item is Code A, approved for service use.</p> <p>(E05210) CTG,9MM BALL M882 (Combat Pack) cartridge contains a bullet comprised of a copper alloy jacket and a lead alloy core. The cartridge is identified by the plain bullet tip. The ammunition complies with NATO STANAG 4090 and is packed in military type packaging. It is used in M9 and M11 pistols. This item is Code A, approved for service use.</p> <p>(E99900) CTG,9MM BALL M882: COMMERCIAL PACK cartridge contains a bullet comprised of a copper alloy jacket and a lead alloy core. The cartridge is identified by the plain bullet tip. It is packed in commercial type packaging and is not intended for OCONUS shipment. It is used in the M9 and M11 pistols. This item is Code A, approved for service use.</p>		
Justification:		
<p>FY 2017 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.</p> <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>The FY 2017 Base procurement dollars in the amount of \$5.193 million supports procurement of 25.965 million cartridges.</p> <p>(E05210) CTG 9MM BALL, M882 (Combat Pack) is a training standard item used in both training and combat. The FY 2017 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$1.900 million supports the procurement of 8.497 million M882 Ball cartridges.</p> <p>TYPE CLASSIFICATION DATE: 1985</p> <p>(E05217) CTG, 9MM SINGLE ROUND, (DDI), M917A1 is a training unique item not used in combat. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$0.150 million supports the procurement of 0.077 million M917A1 (DDI) cartridges.</p> <p>TYPE CLASSIFICATION DATE: 1975</p> <p>(E05218) CTG MODULAR HANDGUN SYSTEM AMMUNITION is a training standard item used in both training and combat. The request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals.</p> <p>TYPE CLASSIFICATION DATE: PENDING</p> <p>(E96105) CTG 9MM MARKING, M1041 (BLUE) is a training unique item not used in combat. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$0.102 million supports the procurement of 0.156 million M1041 (Blue) cartridges.</p> <p>TYPE CLASSIFICATION DATE: 2009</p> <p>(E96107) CTG, 9MM MARKING, M1041 (RED) is a training unique item not used in combat. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$0.033 million supports the procurement of 0.050 million M1041 (Red) cartridges.</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		P-1 Line Item Number / Title: EA3000 / CTG, Handgun, All Types
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
TYPE CLASSIFICATION DATE: 2009		
<p>(E99900) CTG 9MM BALL M882 (COMMERCIAL PACK) is a training standard item packed commercially for training. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$3.008 million supports the procurement of 14.962 million M882 Ball cartridges.</p>		
TYPE CLASSIFICATION DATE: 1985		
Amendment Justification: This increase requests an additional \$4.000 million to procure an additional 17 million M882 Ball cartridges (E99900) above the PB 2017 Request. Supports meeting the Total Army Munitions Requirement.		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army **Date:** March 2017

Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition	P-1 Line Item Number / Title: E08000 / CTG, .50 Cal, All Types
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,953.403	26.124	28.728	53.693	6.607	60.300	45.026	37.314	50.373	50.918	-	2,252.186
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,953.403	26.124	28.728	53.693	6.607	60.300	45.026	37.314	50.373	50.918	-	2,252.186
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,953.403	26.124	28.728	53.693	6.607	60.300	45.026	37.314	50.373	50.918	-	2,252.186

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

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

Description:

This budget line includes .50 CAL ALL TYPES.

(E06700) CTG .50 Caliber M8, Armor Piercing Incendiary (API) Cartridge, packed single round, is used in the M2 Machine Gun and the M107 Long Range Sniper Rifles. This cartridge is identified with a gray bullet tip. This is used in .50 Caliber Sniper training, a cost effective training round over the more expensive MK211 Long Range Sniper ammunition and minimizes training range limitations. This item is Code A, approved for service use.

(E06903) CTG .50 Caliber M8/M17 Tracer, Armor Piercing Incendiary (API) W/M9 Linked 100-round belts, is used in the M2 and M3 Machine Gun. M8 is identified with a silver bullet tip. M17 is identified with a brown bullet tip. This item is Code A, approved for service use.

(E07100) CTG .50 Caliber Cartridge Ball M33 is linked in 100 round belts with the M9 link for use in the M2/M3 Machine Gun. This round is also used in function test firing of the M2/M3 Machine Gun. This item is Code A, approved for service use.

(E07200) CTG.50 Caliber Cartridge, Ball M33 and Cartridge, Tracer M17 linked 4 to 1 in a 100 round belt with the M9 link for use in M2/M3 Machine Gun against unarmored targets. The tracer cartridge permits observation of the bullet's trajectory to the point of impact. M17 has a brown bullet tip. M33 has a plain bullet tip. This item is Code A, approved for service use.

(E07302) CTG.50 Caliber Blank Cartridge, M1A1 linked in a 100 round belt with the M9 link for use in the M2/M3 Machine Gun. This round is a blank cartridge with a rosette crimp at the mouth used to simulate firing in training exercises in conjunction with the M19 Blank Firing Attachment (BFA). This item is Code A, approved for service use.

E72192) CTG.50 Caliber Dummy Single Round (DSR) is an inert cartridge used for M2A1 training exercises including ammunition/weapon familiarization, setting headspace and adjusting timing. The new Dummy, Drilled, Inert (DDI) configuration is both nickel plated and fluted for easy recognition and to distinguish the dummy ammunition visually from tactical ammunition. This item is Code A, approved for service use.

Justification:

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		P-1 Line Item Number / Title: E08000 / CTG, .50 Cal, All Types
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>FY 2017 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.</p> <p>FY 2017 OCO request supports procurement of critical Army munitions consumed in support of deployed units' ongoing military operations</p> <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>The FY 2017 Base procurement dollars in the amount of \$46.693 million supports procurement of 20.594 million cartridges. The FY 2017 OCO procurement dollars in the amount of \$6.607 million supports the procurement of 3.113 million.</p> <p>(E06700) .50 Caliber M8, Armor Piercing Incendiary (API) Cartridge is a training standard item used in training and combat. The procurement supports annual training requirements and builds a war reserve inventory in accordance with the Army's procurement goals. Type classification date: prior to 1960</p> <p>(E06903) .50 Caliber M8/M17 Tracer, Armor Piercing Incendiary (API) W/M9 Linked 100-round belts, is a training standard item used in training and combat. FY 2017 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2017 OCO dollars are to support the COCOM requirement for unit equipment sets to deter potential adversaries and support the European Reassurance Initiatives and are provided in the amount of \$5.998 million supports the procurement of 2.827 million .50 Caliber M8 4/1 Tracer, Armor Piercing Incendiary (API) Cartridges. Type classification date: M8 1944, M17 1950</p> <p>(E07100) .50 Caliber Cartridge Ball M33 Linked is a training standard item used in training and combat. The FY 2017 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$10.450 million supports the procurement of 4.712 million of the Ball M33 Link Cartridges. Type classification date: 1951</p> <p>(E07200) .50 Caliber Cartridge, Ball M33 and Cartridge, Tracer M17 linked is a training standard item used in training and combat. The FY 2017 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$33.990 million supports the procurement of 14.362 million .50 Caliber Cartridge, Ball M33 and Cartridge, Tracer M17 linked Cartridges. FY 2017 OCO procurement dollars are to support the COCOM requirement for unit equipment sets to deter potential adversaries and support the European Reassurance Initiatives and are provided in the amount of \$.609 million supports the procurement of .286 million .50 Caliber Cartridge, Ball M33 and Cartridge, Tracer M17 linked Cartridges. Type classification date: 1968</p> <p>(E07302) .50 Caliber Blank Cartridge, M1A1 linked is a training unique item not used in combat. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$2.253 million supports the procurement of 1.520 million .50 Caliber Blank Cartridge, M1A1 Cartridges. Type classification date: 1980</p> <p>(E72192) .50 Caliber Dummy Single Round (DSR) is a training unique item not used in combat. The procurement supports annual training and builds a depot level in accordance with the Army's procurement goals. Type classification date: June 1963</p> <p>Amendment Justification: This increase requests an additional \$7.000 million to procure an additional 3 million .50 Caliber Cartridge, Ball M33 and Cartridge, Tracer M17 linked Cartridges (E07200) above the PB 2017 Request. Supports meeting the Total Army Munitions Requirement.</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		P-1 Line Item Number / Title: E08000 / CTG, .50 Cal, All Types
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army **Date:** March 2017

Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition	P-1 Line Item Number / Title: E08900 / CTG, 20mm, All Types
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	401.081	-	-	35.000	1.077	36.077	7.000	7.000	7.000	-	-	458.158
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	401.081	-	-	35.000	1.077	36.077	7.000	7.000	7.000	-	-	458.158
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	401.081	-	-	35.000	1.077	36.077	7.000	7.000	7.000	-	-	458.158

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

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

Description:

This budget line includes 20MM ALL TYPES:

(E08909) The 20MM Multi-Purpose Tracer - Self-Destruct (MPT-SD) cartridge is an improved, fuzeless, pyrotechnically initiated 20mm High Explosive cartridge. The projectile consists of a heavy walled steel body charged with an explosive mix and an incendiary mix. The M940 is currently being employed as a force protection munition in the M61 cannon of the Land Based Phalanx Weapon System (LPWS) for Counter-Rocket, Artillery and Mortar (C-RAM). It is effective against light armor at 1,000 meters and against airborne and light surface targets at 2,000 meters. The projectile self destructs at 2,300 meters, minimizing collateral surface damage when engaging airborne targets. The M940 replaced the M246 High Explosive Incendiary-Tracer, Self Destroying (HEI-T-SD) as the primary air defense cartridge. This item is Code A, approved for service use.

Justification:

FY 2017 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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.

(E08909) The 20MM Multi-Purpose Tracer - Self-Destruct (MPT-SD) cartridge is a training standard item used in both training and combat. FY 2017 Base procurement dollars in the amount of \$7.000 million supports the procurement of .189 million M940 cartridges. The FY 2017 OCO includes \$1.077 million to support the COCOM requirement for unit equipment sets to deter potential adversaries and support the European Reassurance Initiative (ERI). The ERI procurement includes .031 million MPT-SD M940 w/MK7 Link cartridges.

TYPE CLASSIFICATION DATE: 1989

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		P-1 Line Item Number / Title: E08900 / CTG, 20mm, All Types
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
Amendment Justification: This increase requests an additional \$28.000 million to procure of an additional 800,000 M940 cartridges (E08909) above the PB 2017 Request. Supports meeting the Total Army Munitions Requirement.		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army **Date:** March 2017

Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition	P-1 Line Item Number / Title: ER8120 / CTG, 30MM, ALL TYPES
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,208.029	87.667	34.330	55.200	20.000	75.200	57.500	56.000	56.500	57.120	-	1,632.346
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,208.029	87.667	34.330	55.200	20.000	75.200	57.500	56.000	56.500	57.120	-	1,632.346
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,208.029	87.667	34.330	55.200	20.000	75.200	57.500	56.000	56.500	57.120	-	1,632.346

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

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

Description:

This budget line includes 30MM ALL TYPES:

(E06000)CTG, 30mm M848 is an inert training device. It physically mimics the M788 and M789 cartridges. It is used for training of proper handling and loading of ammunition and for non-firing system training and checkout of the 30mm M230 weapon prior to exposing soldiers to live ammunition. This item is Code A, approved for service use.

(E09900)CTG,30mm M789 High Explosive - Dual Purpose Cartridge is the only qualified combat cartridge for use in the Apache Helicopter's M230 Chain Gun. It is also used by SOCOM, fired from the MH-60 Blackhawk helicopter. The M789 cartridge consists of a projectile containing explosive, a shaped charge liner, a M759 point-detonating fuze, aluminum cartridge case, propellant and a PA520 electric primer. The shaped charge allows the M789 to defeat light armor, and the steel projectile body provides an anti-personnel capability. M789 cartridges are packed in Bulk Ammunition Strips (BAS), 110 cartridges per M592 container. This item is Code A, approved for service use

(E10100)CTG,30mm M788 30mm Target Practice cartridge is the only qualified training cartridge for use in the Apache and Blackhawk Helicopter's M230 Chain Gun. The M788 consists of an inert projectile, propellant utilizes a PA520 electric primer and a lightweight aluminum cartridge case. M788 cartridges are packed in Bulk Ammunition Strips (BAS), 110 cartridges per M592 container. This item is Code A, approved for service use.

(E09191) 30x173mm MK317 is a Target Practice Discarding Sabot with Tracer (TP-T) cartridge. The MK317 cartridge consists of an inert projectile, molded plastic sabot, a pusher base, a tracer, propellant, an M36A2 percussion primer, and an aluminum cartridge case. The MK317 cartridges are packed 30 cartridges per M592 ammunition container. This item is Code B, not approved for service use.

(E07306)30x173mm MK239 Target Practice with Tracer (TP-T) cartridge is a Navy qualified training cartridge that is ballistically matched to the MK238 and MK266 High Explosive Incendiary with Tracer (HEI-T) cartridges. The MK239 cartridge consists of an inert projectile, a glass-reinforced nylon rotating band, a tracer, propellant, an M36A2 percussion primer, and an aluminum cartridge case. The MK239 cartridges are packed 30 cartridges per M592 ammunition container. This item is Code B, not approved for Army use.

(E09292)30x173mm MK258 Armor Piercing Fin Stabilized Discarding Sabot with Tracer (APFSDS-T) cartridge is a Navy qualified tactical cartridge consisting of a high-density inert tungsten alloy long-rod penetrator sub-projectile held in a three-petal aluminum sabot, a plastic nose cap and obturator, a tracer, propellant, and DNAG 8235 percussion primer. The MK258 cartridges are packed 30 cartridges per M592 ammunition container. This item is code B, not approved for Army use.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		P-1 Line Item Number / Title: ER8120 / CTG, 30MM, ALL TYPES
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		

(E07406) 30x173mm MK266 High Explosive Incendiary with Tracer (HEI-T) cartridge is a Navy qualified tactical cartridge consisting of a steel projectile body assembly crimped into an aluminum cartridge case, PBXN-5 explosive, a zirconium pellet, ATK151-LD fuze, a tracer, AFP-001 propellant, and an M36A2 percussion primer. The MK266 cartridges are packed 30 cartridges per M592 container. This item is code B, not approved for Army use.

Justification:
FY 2017 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

FY 2017 OCO request supports procurement of critical Army munitions consumed in support of deployed units' ongoing military operations

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.

The FY 2017 Base procurement dollars in the amount of \$47.000 million supports the procurement of 1.054 million cartridges.
The FY 2017 OCO procurement dollars in the amount of \$20.000 million supports the procurement of .170 million cartridges.

(E06000) CTG,30MM DUMMY M848 - This is a training unique item not used in combat. The procurement supports annual training and builds a depot level in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE: 1991

(E09900) CTG, 30mm HEDP M789 - This is a training standard item used in both training and combat. Funds are required to replenish munitions expended in combat operations by Apache helicopters in OFS-Afghanistan theater. The FY 2017 procurement request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. The FY 2017 OCO dollars in the amount of \$20.000 million supports the procurement of .170 million M789 cartridges.

TYPE CLASSIFICATION DATE: 1962

(E10100) CTG, 30mm TP M788 - This is a training unique item not used in combat. The FY 2017 procurement request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 procurement dollars in the amount of \$22.000 million supports the procurement of .917 million M788 cartridges.

TYPE CLASSIFICATION DATE: 1982

(E09191) The 30x173mm MK317 - This is a training unique item not used in combat. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 procurement dollars in the amount of \$2.000 million supports the procurement of .014 million MK317 cartridges.

TYPE CLASSIFICATION DATE: PENDING

(E07306) The 30x173mm MK239 - This is a training unique item not used in combat. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 procurement dollars in the amount of \$4.000 million supports the procurement of .055 million MK239 cartridges.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		P-1 Line Item Number / Title: ER8120 / CTG, 30MM, ALL TYPES
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		

TYPE CLASSIFICATION DATE: PENDING

(E09292) The 30x173mm MK258 - This is a training standard item used in both training and combat. The FY 2017 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2017 procurement dollars in the amount of \$13.000 million supports the procurement of .020 million MK258 cartridges.

TYPE CLASSIFICATION DATE: PENDING

(E07406) The 30x173mm MK266 - This is a training standard item used in both training and combat. The FY 2017 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2017 procurement dollars in the amount of \$6.000 million supports the procurement of .048 million MK266 cartridges.

TYPE CLASSIFICATION DATE: PENDING

Amendment Justification: This increase requests an additional \$8.200 million to procure an additional 41,000 MK266 cartridges (E07406) above the PB 2017 Request. Supports meeting the Total Army Munitions Requirement.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army **Date:** March 2017

Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 33: Mortar Ammunition	P-1 Line Item Number / Title: E25500 / 120MM Mortar, All Types
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	916.330	39.365	71.372	96.433	-	96.433	83.328	69.823	99.832	115.346	-	1,491.829
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	916.330	39.365	71.372	96.433	-	96.433	83.328	69.823	99.832	115.346	-	1,491.829
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	916.330	39.365	71.372	96.433	-	96.433	83.328	69.823	99.832	115.346	-	1,491.829

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

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

Description:

This budget line item includes 120MM Mortars, All Types.
The 120mm Mortar Cartridges are designed for use with the M120, 120mm Towed Mortar System and the M121 Carrier Mortar System as well as use with the Brigade Combat Team Mortar System.

(E25502)CTG, MORTAR, 120MM HE M933 SERIES W/PD FUZE

The M933A1 120mm High Explosive (HE) cartridge with the M783 Point Detonating/ Delay (PD/DLY) Fuze is used against personnel, bunker and light materiel targets. It consists of a Steel Shell Body with Composition B fill, and aluminum M31 Fin Assembly. The propulsion system utilizes the M1020 Ignition Cartridge and four horseshoe-shaped, water-resistant M234 Propelling Charges. The M933A1 HE (Range 200 meter minimum to 7,200 meter maximum) is used with the new M783 dual safety, point detonating/delay fuze. This round is used primarily in training because it is significantly less expensive than the M934A1, the preferred war fighting round. However, the M933A1 is lethal and can be used in combat.

This item is Code A, approved for service use.

(E25507)CTG, MORTAR, 120MM FRPC M931 SERIES W/PRACT FUZE

The M931 is a low-cost, full range, practice round that will replace a percentage of the standard HE rounds used in 120mm mortar training. The M931 FRPC (Range 200 meter minimum to 7,200 meter maximum) has been designed to provide the user with realistic training for 120mm Mortar crews at a fraction of the cost. It is identical in shape, size and weight to the M933A1/M934A1 HE cartridges. The M931 is equipped with M781 PD Practice Fuze. The M781 PD Practice Fuze produces a flash, bang, and smoke signature that provides audio/visual feedback to the mortar crew and forward observer.

This item is Code A, approved for service use.

(E91300)CTG, MORTAR, 120MM WP SMOKE M929 SERIES W/MOFM

The M929 White Phosphorous (WP) Smoke Cartridge is used to provide smoke, with some incendiary effect for various screening missions. The cartridge is filled with 5 lbs of WP. The M929 uses the highly reliable and countermeasure resistant M734A1 multi-option fuze when functions, detonates the burster, which disperses the felt pads which are soaked with WP over the target. The smoke obscuration is generated by a spontaneous reaction between the WP and oxygen. The M929 (Range 200 meter minimum and 7,200 maximum) is range-matched to the 120mm High Explosive (HE) and Illum cartridges.

This item is Code A, approved for service use.

Justification:

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 33: Mortar Ammunition		P-1 Line Item Number / Title: E25500 / 120MM Mortar, All Types
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>FY 2017 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.</p> <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>FY 2017 Base procurement dollars in the amount of \$69.133 million supports production of 121,999 cartridges.</p> <p>(E25502)CTG, MORTAR, 120MM HE M933 SERIES W/PD FUZE This is a training standard item used in training and combat. FY 2017 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2017 Base procurement in the amount of \$14.800 million supports production of 16,964 cartridges. TYPE CLASSIFICATION DATE: 2009</p> <p>(E25507)CTG, MORTAR, 120MM FRPC M931 SERIES W/PRACT FUZE This is a training unique item not used in combat. FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$54.333 million supports production of 105,035 cartridges. TYPE CLASSIFICATION DATE: 1996</p> <p>(E91300)CTG, MORTAR, 120MM WP SMOKE M929 SERIES W/MOFM This is a training standard item used in training and combat. Request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. TYPE CLASSIFICATION DATE: 1996</p> <p>Amendment Justification: This increase requests an additional \$27.300 million to procure an additional 35,000 cartridges (E25502) above the PB 2017 Request. Supports meeting the Total Army Munitions Requirement.</p>		

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Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army **Date:** March 2017

Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition	P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	3,524.940	101.900	105.541	135.668	8.999	144.667	122.385	147.928	239.751	256.954	-	4,644.066
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	3,524.940	101.900	105.541	135.668	8.999	144.667	122.385	147.928	239.751	256.954	-	4,644.066
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	3,524.940	101.900	105.541	135.668	8.999	144.667	122.385	147.928	239.751	256.954	-	4,644.066

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

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

Description:

This budget line includes CARTRIDGE, TANK, 105MM and 120MM ALL TYPES:

(E22125) M724A1E1 Cartridge will replace the (E22100) M724A1 Cartridge and provide the Army with a range limited (7,000 meters, maximum) round which can be safely fired at all training sites. The Cartridge, M724A1E1, 105mm Target Practice Discarding Sabot with Tracer (TPDS-T) is used for gunnery training in the Army's 105mm Stryker Brigade Combat Team (SBCT) Mobile Gun System (MGS). This discarding sabot round is similar in external appearance and is ballistically similar out to 2,000 meters with the M900, Armor Piercing Fin Stabilized Discarding Sabot w/Tracer Cartridge. It is used as a training surrogate for the M900 Cartridge used by the MGS. The M724A1E1 Cartridge consists of a deep drawn steel cartridge case, electric primer, propellant and a projectile consisting of a sub-projectile (steel core, windshield, fin and tracer) and aluminum sabot. This item is Code A, approved for service use.

(E73201) Cartridge, 120mm, Target Practice Multi Purpose-Tracer (TPMP-T) M1002 is a target practice cartridge that simulates the size, weight, ballistics and the loader's function of setting the nose switch of the High Explosive Multi-Purpose cartridge M830A1. This round is fired from the M256 120mm smoothbore cannon on the M1A1/M1A2 Abrams Tank. The projectile is inert and composed of an aluminum body, steel nose with dummy plastic switch, aluminum tailcone, aluminum sabot, nylon obturators and tracer. The tailcone imparts spin to the projectile in flight for stabilization and provides the mechanism to limit the projectile's maximum range. The M1002 replaces the M831A1 cartridge. Tank crews will conduct live fire training with the cartridge to achieve and maintain gunnery proficiency. This item is Code A, approved for service use.

(E73400) 120mm M865 Target Practice Cone-Stabilized Discarding Sabot with Tracer (TPCSDS-T) is a target practice round that simulates the ballistics of the 120mm M829 Series Armor Piercing Fin-Stabilized Discarding Sabot with Tracer (APFSDS-T) round. This round is fired from the M256 120mm smoothbore cannon on the M1A1/M1A2 Abrams Tank. The projectile is inert and is composed of a steel core, aluminum fin, aluminum sabots, nylon obturator and tracer. The fin imparts spin to the projectile in flight for stabilization and provides the mechanism to limit the projectile's maximum range. Tank crews will conduct live fire training with the cartridge to achieve and maintain gunnery proficiency. This item is Code A, approved for service use.

(E78007) The 120mm M830A1 High Explosive Anti-Tank, Multi-Purpose w/Tracer,(HEAT-MP-T) cartridge is designed for use against light armor, buildings and bunkers, as well as providing self-defense capability against attack helicopters. The lethal mechanism includes a shaped-charged warhead and blast effect. This round is fired from the M256 120MM smooth-bore cannon mounted on the Abrams tank. Additionally, the M830A1 is effective against the side and rear aspects of tanks and dismantled anti-tank and automatic weapon teams (targets not suitable to kinetic energy penetrator cartridges). The fixed round utilizes a combustible cartridge case affixed to a steel stub base and loaded with granular propellant. The fin-stabilized, high chrome alloy steel projectile body contains press-loaded high explosive and a

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Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition		P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>precision copper liner. The fuze is armed during launch and initiated by an impact switch or proximity sensor, depending upon the operational mode selected by the ammo loader. This item is Code A, approved for service use.</p> <p>(E88106) 120mm M829E4 Armor Piercing Fin Stabilized, Discarding Sabot with Tracer (APFSDS-T) cartridge is the follow on to the M829A3 APFSDS-T cartridge. The M829E4 is the most effective anti-armor kinetic energy cartridge fired from the M256 120mm smoothbore cannon on the M1A1/M1A2 Abrams Tank. This cartridge has been designed to defeat advances in armor protection, specifically advancement in explosive reactive armor (ERA). The cartridge incorporates advancements in propulsion, using a temperature insensitive propellant, novel penetrator design, and an advanced composite sabot. The projectile system consists of a depleted uranium penetrator mated to a drag reducing windshield and flight stabilizing multi-bladed fin, all secured for launch with a composite sabot. The M829E4 captures several new technologies along with components previously used on previous APFSDS-T cartridges, but incorporates technology advancements to yield significant improvement in performance over previous fielded cartridges. This item is Code A, approved for service use.</p> <p>Justification: FY 2017 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.</p> <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>FY 2017 Base procurement dollars in the amount of \$120.668 million supports the procurement of .015 million cartridges.</p> <p>(E22125) M724A1E1 – This is a training unique item not used in combat. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$5.900 million supports the procurement of .001 million M724A1E1 cartridges.</p> <p>TYPE CLASSIFICATION DATE: 2014</p> <p>(E73201) M1002 (TPMP-T) - This is a training unique item not used in combat. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$38.328 million supports the procurement of .005 million M1002 cartridges.</p> <p>TYPE CLASSIFICATION DATE: 2006</p> <p>(E73400) M865 (TPCSDS-T) - This is a training unique item not used in combat. FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. The FY 2017 request provides a safer round by incorporating safety initiatives such as a safer case. FY 2017 Base procurement dollars in the amount of \$31.900 million supports recapitalizing M865 cartridges.</p> <p>TYPE CLASSIFICATION DATE: 1984</p> <p>(E78007) M830A1 - This is a war reserve item used in combat. The FY 2017 request builds a war reserve inventory in accordance with the Army's procurement goals. The FY 2017 OCO includes \$8.999 million to support the COCOM requirement for unit equipment sets to deter potential adversaries and support the European Reassurance Initiatives. FY 2017 OCO dollars in the amount of \$8.999 million supports recapitalizing M830A1 cartridges.</p> <p>TYPE CLASSIFICATION DATE: 1993</p>		

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Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition		P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>(E88106) M829E4 (APFSDS-T) - This is a war reserve item used in combat. The FY 2017 request builds a war reserve inventory in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$44.540 million supports .003 million M829E4 cartridges.</p> <p>TYPE CLASSIFICATION DATE: 2014</p> <p>Amendment Justification: This increase requests an additional \$15.000 million to procure an additional 5,000 M1002 cartridges (E73201) above the PB 2017 Request. Supports meeting the Total Army Munitions Requirement.</p>		

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Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army **Date:** March 2017

Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	P-1 Line Item Number / Title: E15101 / Artillery Cartridges, 75MM & 105MM, All Types
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,732.686	40.548	62.756	69.290	-	69.290	58.900	64.500	63.000	56.758	-	3,148.438
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	2,732.686	40.548	62.756	69.290	-	69.290	58.900	64.500	63.000	56.758	-	3,148.438
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2,732.686	40.548	62.756	69.290	-	69.290	58.900	64.500	63.000	56.758	-	3,148.438

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

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

Description:

(E15101)Artillery Cartridges, 75MM And 105MM, All Types
This budget line includes Cartridge, Artillery, 75mm & 105mm, All Types.

(E15200)CTG, ARTY, 75MM BLANK, M337A1

The 75mm M337A2 is a non-tactical blank cartridge fired from a M116 Howitzer that is used in burial, retreat ceremonies and VIP Salutes. It consists of a cartridge case containing loosely packed black powder and a press-fitted percussion primer. A fiberglass wad is inserted over the black powder and a polystyrene closing cup is cemented in place with a polyester resin adhesive. When the firing pin of the weapon strikes the primer, a flash is generated which ignites the black powder charge producing flash, smoke, and a loud report to simulate weapon firing. This item is Code A, approved for service use.

(E21501)CTG, ARTY, 105MM HE, M1 W/O FUZE

The 105mm M1 High Explosive (HE) cartridge contains a HE fill and is used primarily for training although some cartridges are expended in combat operations for fragmentation and blast. The cartridge is loaded with an M67 propellant charge, consisting of seven numbered increment bags sewn together in numerical order. Projectile function is dependent upon the fuze used and may function on impact (instantaneous or delay), above ground at a predetermined height or in proximity to the target area. Fuze function detonates the HE projectile filler resulting in projectile fragmentation and blast. Range varies from 3.5 to 11.3 kilometers, depending on the number of charge bags used. The program remanufactures/recapitalizes the remaining unserviceable cartridges through replacement of M67 Prop Charge and Primer at a reduced cost over new production to provide a cost effective training cartridge. Funding for the 105MM HE, M1 program in FY 2015 through FY 2017 is for recapitalization. This item is Code A, approved for service use.

Justification:

FY 2017 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition		P-1 Line Item Number / Title: E15101 / Artillery Cartridges, 75MM & 105MM, All Types
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<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>FY 2017 Base procurement dollars in the amount of \$64.800 million supports new production of 64,948 cartridges and 240,000 RECAP Cartridges.</p> <p>(E15200)CTG, ARTY, 75MM BLANK, M337A1 This is a training unique item not used in combat. FY 2017 request supports annual training and builds a depot level inventory in accordance with the Army procurement goals. FY 2017 Base procurement in the amount of \$7.000 million supports production of 64,948 cartridges. TYPE CLASSIFICATION DATE: 1975</p> <p>(E21501)CTG, ARTY, 105MM HE, M1 W/O FUZE This program will remanufacture/recapitalize unserviceable rounds in the inventory. This is a training standard item used in both training and combat. FY 2017 request supports annual training and builds a war reserve inventory in accordance with the Army procurement goals. FY 2017 Base procurement dollars in the amount of \$57.800 million will supports production of 240,000 recapitalized cartridges. TYPE CLASSIFICATION DATE: 1966</p> <p>Amendment Justification: This increase requests an additional \$4.490 million to recapitalize an additional 19,000 cartridges (E21501) above the PB 2017 Request. Supports meeting the Total Army Munitions Requirement.</p>		

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Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army **Date:** March 2017

Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	P-1 Line Item Number / Title: E89500 / ARTILLERY PROJECTILE, 155MM, ALL TYPES
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	660.881	64.023	87.995	111.753	30.348	142.101	103.862	106.909	95.401	114.302	-	1,375.474
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	660.881	64.023	87.995	111.753	30.348	142.101	103.862	106.909	95.401	114.302	-	1,375.474
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	660.881	64.023	87.995	111.753	30.348	142.101	103.862	106.909	95.401	114.302	-	1,375.474

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

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

Description:

(E89500)ARTILLERY PROJECTILE, 155MM, ALL TYPES

This budget line includes Projectiles, Artillery, 155mm, All Types.

(E21618)PROJ, ARTY, 155MM EXT RANGE MARKING RD M110A3

The 155mm Smoke White Phosphorous (WP) M110A3 Artillery Round utilizes projectile bodies generated from the current M483 Dual Purpose Improved Conventional Munition (DPICM) demilitarization program and incorporates a more producible WP Bulk-filled Canister with 15.0 lbs of WP that provides smoke spotting capability to a maximum range of 22.5 kilometers providing increased operational effectiveness and improved training.

This item is Code A, not approved for service use.

(E26904)PROJ, Arty, 155MM IR ILLUM M1123

The 155mm M1123 Infrared Illumination projectile is used with night vision devices to illuminate a designated target area to a maximum range of 17.5 kilometers. The projectile has a hollow, steel-forged body containing an illumination canister, a canister expelling charge in the nose and a drogue parachute in the base. The illumination canister contains the main parachute and lines, the illumination candle assembly and secondary expelling charge and a delay element holder. The outer shell of the canister is fitted with four longitudinal fins. The projectile uses an Electronic Time Fuze. When the fuze functions, the primary expelling charge ignites forcing the drogue parachute and canister assembly against the base plate, rupturing the base pins and expelling the canister and parachute. The drogue parachute deploys and the canister fins extend. The expelling charge also ignites the delay element in the canister nose. The delay element ignites the secondary expelling charge within the canister after 8 seconds igniting the candle and expelling the main parachute. With the main parachute open, the illuminate candle descends at 15 feet per second and burns for 120 seconds. The M1123 Provides Infrared battlefield illumination that is 2.4x larger in diameter than the M1066 Infrared Illuminating projectile.

This item is Code A, approved for service use.

(E26900)PROJ, ARTY, 155MM VL ILLUM M1124

The 155MM Visual Light Illumination M1124 fired from 155mm howitzers is used to illuminate the battlefield to a maximum range of 17.5 kilometers. The projectile has a hollow, steel-forged body containing an illumination canister, a canister expelling charge in the nose and a drogue parachute in the base. The illuminate canister contains the main parachute and lines, the illuminate candle assembly and secondary expelling charge and a delay element holder. The outer shell of the canister is fitted with four longitudinal fins. The projectile uses a Mechanical or Electronic Time fuze. When the fuze functions, the primary expelling charge ignites forcing the drogue parachute and canister assembly against the base plate, rupturing the base pins and expelling the canister and parachute. The drogue parachute then deploys and the

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Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition		P-1 Line Item Number / Title: E89500 / ARTILLERY PROJECTILE, 155MM, ALL TYPES
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>canister fins extend. The expelling charge also ignites the delay element in the canister nose. The delay element ignites the secondary expelling charge within the canister after 8 seconds igniting the candle and expelling the main parachute. With the main parachute open, the illumination candle descends at 15 feet per second and burns for 120 seconds producing approximately 1,000,000 candlepower. This item is Code A, approved for service use.</p> <p>(E27603)PROJ, ARTY, 155MM HE IM TRAINING M1122 The 155mm M1122 High Explosive (HE) projectile will be the primary HE round used for training. The M1122 is a lower cost HE training round. The M1122 will replace the M804A1 and M107 Projectiles for training. It utilizes M483A1 DPICM metal parts from an ongoing M483A1 demil effort, is filled with high density concrete to simulate the weight of the M795 HE Projectile, and incorporates several Insensitive Munitions (IM) technologies (IMX-101 explosive fill, PBXN-9 Supplementary Charge, Meltable Fuze Well Liner and Meltable Fuze Plug) to increase survivability and safety. The M1122 will replicate the flight characteristics of the wartime M795 HE projectile with a maximum range of 22.5 kilometers. This item is Code A, approved for service use.</p> <p>(E66800)PROJ, ARTY, 155MM HE, M795 The M795 High Explosive (HE) Projectile is the primary HE round used for warfare operations with maximum range of 22.5 kilometers. The M795 incorporates Insensitive Munitions (IM) technologies that reduces vulnerability from unplanned stimuli e.g. fire/heat, shock and impact, while maintaining or exceeding the same level of effectiveness in combat. The 155mm M795 has a high fragmentation steel (HF1) body projectile filled with 23.8 pounds of IMX101 Explosive fill, PBXN-9 Supplementary Charge, and Meltable Fuze Plug. The projectile can use several different fuzes (impact, mechanical time, electronic time and short intrusion proximity). It is used for conventional fire support for harassment and interdiction, fragmentation and blast effect. The M795 projectile is employed against personnel, trucks, electronic surveillance and target acquisition devices, supply points, command and control and communications (C3) installations, and mechanized and armored forces. This item is Code A, approved for service use.</p>		
Justification:		
<p>FY 2017 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.</p> <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>FY 2017 Base procurement dollars in the amount of \$109.515 million supports production of 157,354 projectiles. FY 2017 OCO procurement dollars in the amount of \$10.000 million supports production of 6,193 projectiles. Funds are required to replenish munitions expended in combat operations in Operation Freedom's Sentinel (OFS) Afghanistan. The FY 2017 OCO includes \$20.348 million to support the COCOM requirement for unit equipment sets to deter potential adversaries and support the European Reassurance Initiative. The procurements include production of 16,203 projectiles.</p> <p>(E21618)PROJ, ARTY, 155MM EXT RANGE SPOTTING RD M110A3 This item is a training standard item used in both training and combat. FY 2017 Request supports annual training and build a war reserve inventory in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$6.696 million supports production of 5,366 projectiles. TYPE CLASSIFICATION DATE: 1972</p> <p>(E26900)PROJ, ARTY, 155MM VL ILLUM, M485 / M1124 This is a training standard item used in training and combat. FY 2017 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$11.480 million supports production of 7,332 projectiles.</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition		P-1 Line Item Number / Title: E89500 / ARTILLERY PROJECTILE, 155MM, ALL TYPES
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
TYPE CLASSIFICATION DATE: 1970		
(E26904)PROJ, ARTY, 155MM IR ILLUM M1066 / M1123 This item is a training standard item used in both training and combat. Request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. TYPE CLASSIFICATION: 2010		
(E27603)PROJ, ARTY, 155MM HE IM TRAINING M1122 This is a training unique item not used in combat. FY 2017 request supports annual training and builds a depot level inventory in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$61.839 million supports production of 125,062 projectiles. TYPE CLASSIFICATION DATE: 2010		
(E66800)PROJ, ARTY, 155MM HE, M795 This is a war reserve item used in combat. FY 2017 request builds a war reserve inventory in accordance with Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$29.500 million supports production of 19,594 projectiles. FY 2017 OCO procurement dollars in the amount of \$10.000 million supports production of 6,193 projectiles. Funds are required to replenish munitions expended in combat operations in Operation Freedom's Sentinel (OFS) Afghanistan. The FY 2017 OCO includes \$20.348 million to support the COCOM requirement for unit equipment sets to deter potential adversaries and support the European Reassurance Initiative. The procurements include production of 16,203 projectiles. TYPE CLASSIFICATION DATE: 1982		
Amendment Justification: This increase requests an additional \$2.238 million above the PB 2017 Request to build and facilitate an organic capability at Pine Bluff Arsenal, AR. Will increase the production of HX smoke, which will replace the toxic HC smoke. Production of the M1125 projectile production w/HX smoke will begin in FY 2018. This is a new start.		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army **Date:** March 2017

Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	P-1 Line Item Number / Title: E80100 / Proj 155mm Extended Range M982
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 0604814A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	634.509	35.672	65.518	174.600	0.140	174.740	-	-	-	-	-	910.439
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	634.509	35.672	65.518	174.600	0.140	174.740	-	-	-	-	-	910.439
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	634.509	35.672	65.518	174.600	0.140	174.740	-	-	-	-	-	910.439

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

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

Description:

This budget line item includes the Excalibur family of munitions for the use in the M777A2 Lightweight 155mm Howitzer (LW155), the M109A6 Paladin Howitzer, the M109A7 paladin PIM Howitzer and the Swedish Archer Howitzer.

(E80100) Excalibur is a Precision Guided Extended Range 155mm Artillery projectile providing Brigade Combat Teams an organic precision fires capability. Additionally it provides improved fire support capability due to its increased range of 40.5 kilometers and demonstrated accuracy of <3 meters radial miss distances, which enables a first round effect on target reducing the number of rounds required while reducing collateral damage. Excalibur is compatible with the M777A2 Lightweight 155mm Howitzer (LW155), the M109A6 Paladin Howitzer, the M109A7 Paladin PIM Howitzer, and the Swedish Archer Howitzer. Excalibur provides a 35% range increase over current Rocket Assisted Projectiles with a <10 meter circular error probable requirement at all ranges. Excalibur is also highly resistant to Global Positioning System (GPS) jamming. This item is Code A, approved for service use.

Justification:

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.

(E80100) Excalibur is currently fielded and in use by units throughout Afghanistan and deployed globally to support other Military Contingency Operations. Excalibur is an International Cooperative Development program, teamed with the Kingdom of Sweden (KoS), which contributed resources towards the development in accordance with an established Project Agreement. Excalibur Increment Ia-1 was initially fielded to units in Iraq and Afghanistan in response to an urgent need request in support of Operation Iraqi Freedom (as of September 2010 re-named to Operation New Dawn) and Operation Enduring Freedom. Increment Ia-2 was fielded in early FY 2012 and greatly increases range from 25.2 kilometers to 40.5 kilometers. Excalibur Increment Ib provides further performance improvements while significantly lowering unit costs.

Increment Ib completed a successful Initial Operational Test and Evaluation in February 2014 as well as a Full Rate Production Decision Review in June 2014. The Excalibur Increment Ib projectile was Type Classified and Full Material Released in June 2014.

This is a war reserve item currently being used in combat. The FY 2017 request builds a war reserve inventory in accordance with the Army procurement goals. FY 2017 Base procurement dollars in the amount of \$39.200 million supports the procurement of 372 Increment Ib projectiles.

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Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition		P-1 Line Item Number / Title: E80100 / Proj 155mm Extended Range M982
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 0604814A
Line Item MDAP/MAIS Code: N/A		
The FY 2017 OCO includes \$0.140 million to support the COCOM requirement for unit equipment sets to deter potential adversaries and support the European Reassurance Initiative.		
Amendment Justification: This increase requests an additional \$135.400 million to procure an additional 1,839 Increment lb projectiles (E80100) above the PB 2017 Request. Supports meeting the Total Army Munitions Requirement.		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army **Date:** March 2017

Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	P-1 Line Item Number / Title: E27501 / Artillery Propellants, Fuzes and Primers, All
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	901.173	83.293	80.024	122.548	29.655	152.203	73.820	84.880	86.740	93.922	-	1,556.055
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	901.173	83.293	80.024	122.548	29.655	152.203	73.820	84.880	86.740	93.922	-	1,556.055
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	901.173	83.293	80.024	122.548	29.655	152.203	73.820	84.880	86.740	93.922	-	1,556.055

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

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

Description:

(E27501)Artillery Propellants, Fuzes and Primers, All Types.

(ER8021)ARTY, 155MM PROP CHG, MACS M232 SERIES

The Modular Artillery Charge System (MACS) M232 "High Zone" is intended for use with all United States 155mm cannon field artillery systems. The M232 "High Zone" increment is designed to achieve ranges from 10 to 40 kilometers. Each MACS increment includes propellant, an ignition system, and a combustible case. Performance enhancing additives are included in the M232 "High Zone" increment. Packaging permits long-term storage and helps protect the items from unplanned stimuli.

This item is Code A, approved for service use

(E62208)ARTY, FUZE PD M739A1

The M739A1 Point Detonating (PD) and Delay Fuze is the Army's preferred, primary fuze for 105mm and 155mm projectiles to address point detonating/delay artillery functions. The M739A1 fuze contains an Impact Delay Module (IDM) assembly. The IDM provides fuze initiation delay based upon the completion of mechanical actions caused by projectile deceleration and will function immediately after passing through the target.

This item is Code A, approved for service use.

(E63000) ARTY, 155MM PRIMER PERCUSSION M82 SERIES

The M82 Percussion Primer is intended for use with all United States 155mm cannon field artillery systems. The M82 Series Percussion Primer is used to initiate the burning of propellant charges and consists of a cylindrical brass case with an extraction flange which contains a base plunger, an ignition element which contains Primer #34 and a container loaded with 22 grains of black powder.

This item is Code A, approved for service use.

(E99250)ARTY, FUZE, PRECISION GUIDANCE KIT (PGK)

The Precision Guidance Kit (PGK) is a Global Positioning System (GPS) guidance kit with point detonating and height of burst fuzing functions. PGK provides near precision accuracy and efficiency for 155mm M795 and M549A1 high explosive (HE) projectiles and compatible with the M777A2 Lightweight 155mm Howitzer (LW155) and the M109A6 Paladin Howitzer. Using an integrated GPS receiver, the PGK corrects the inherent errors associated with ballistic firing solutions and reduces the number of projectiles required to execute fire missions. This item is Code A, approved for service use.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition		P-1 Line Item Number / Title: E27501 / Artillery Propellants, Fuzes and Primers, All
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>Justification: FY 2017 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.</p> <p>FY 2017 OCO request supports procurement of critical Army munitions consumed in support of deployed units' ongoing military operations.</p> <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>FY 2017 Base procurement dollars in the amount of \$70.881 million supports production of 256,321 fuzes and 78,823 primers. FY 2017 OCO procurement dollars in the amount of \$23.221 million supports production of 62,555 fuzes. Funds are required to replenish munitions expended in combat operations in Operation Freedom's Sentinel (OFS) Afghanistan. The FY17 OCO includes \$6.434 million to support the COCOM requirement for unit equipment sets to deter potential adversaries and support the European Reassurance Initiative. The procurements includes production of 79,437 fuzes.</p> <p>(E62208)ARTY, FUZE PD M739A1 This is a training standard item used in training and combat. FY 2017 request supports annual training and a builds a war reserve inventory in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$22.900 million supports production of 252,482 fuzes. FY 2017 OCO procurement dollars in the amount of \$5.000 million supports production of 60,635 Fuzes. Funds are required to replenish munitions expended in combat operations in Operation Freedom's Sentinel (OFS) Afghanistan. The FY 2017 OCO includes \$6.434 million to support the COCOM requirement for unit equipment sets to deter potential adversaries and support the European Reassurance Initiative. The procurements includes production of 79,437 fuzes.</p> <p>TYPE CLASSIFICATION: 1982</p> <p>(E63000)ARTY,155MM PRIMER PERCUSSION M82 Series This is a training standard item used in training and combat. FY 2017 request builds a War Reserve inventory and supports annual traing in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$2.040 million supports production of 66,252 primers. TYPE CLASSIFICATION DATE: MAY 1961</p> <p>(ER8021)ARTY, 155MM PROP CHG, MACS M232 SERIES This item is a training standard item used in both training and combat. Request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. TYPE CLASSIFICATION DATE: 2001</p> <p>(E99250) ARTY, FUZE, PRECISION GUIDANCE KIT (PGK) This is a training standard item used in training and combat. FY 2017 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. The FY 2017 Base procurement dollars in the amount of \$45.941 million supports the procurement of 3,839 PGK fuzes. The FY 2017 OCO procurement dollars in the amount of \$18.221 million supports production of 1,920 PGK fuzes. Funds are required to replenish munitions expended in combat operations in Operation Freedom's Sentinel (OFS) Afghanistan. TYPE CLASSIFICATION DATE: October 2015</p> <p>Amendment Justification: This increase requests an additional \$0.667 million for an Engineering Change Proposal (E63000) above the PB 2017 Request. Effort will strengthen the M82 primer casing when firing high zone charges in the M107 and M777 155mm howitzers.</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition		P-1 Line Item Number / Title: E27501 / Artillery Propellants, Fuzes and Primers, All
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		

This increase requests an additional \$51.000 million to procure an additional 5,998 PGK fuses (E99250) above the PB 2017 Request. Supports meeting the Total Army Munitions Requirement.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army **Date:** March 2017

Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 45: Rockets **P-1 Line Item Number / Title:** E37300 / Rocket, Hydra 70, All Types

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	94,712	80,210	125,763	56,090	18,419	74,509	110,182	24,030	20,621	716	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	430.647	94.191	169.993	97.213	42.851	140.064	162.643	59.171	72.206	50.100	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	430.647	94.191	169.993	97.213	42.851	140.064	162.643	59.171	72.206	50.100	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	430.647	94.191	169.993	97.213	42.851	140.064	162.643	59.171	72.206	50.100	Continuing	Continuing

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	4,546.91	1,174.30	1,351.69	1,733.16	2,326.46	1,879.83	1,476.13	2,462.38	3,501.58	69,972.07	Continuing	Continuing

Description:

This budget line procures all Hydra-70 rocket types in support of operational, training and war reserve requirements. The system provides combat overmatch capability and ensures the availability of munitions to support combat operations. This system of aerial rockets is used by Army aircraft (AH-64 Apache, H-60 Blackhawk and Special Operations aircraft). The unguided systems perform a number of roles including anti-materiel, anti-personnel, air-to-ground suppression and illumination. The guided system is used to provide increased accuracy over the unguided munitions in precision strikes against lightly armored and soft point targets enabling better conformance to restricted rules of engagement. This Hydra-70 rocket funding supports the entire Hydra-70 Rocket System to include resolution of obsolescence, safety, reliability, weapon integration activities, potential test sets, engineering changes, production issues and guidance section repair kits.

NOTE: QTY EA

Justification:

The Hydra-70 Product Office is the procurement agent for all services, for all variants of 2.75 Rockets. This budget activity includes both training standard items and items that may be used in both training and combat. The Fiscal Year (FY) 2017 procurement supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$87.213 million will procure 55,660 unguided Hydra-70 Rockets and 100 guidance sections. FY 2017 OCO procurement dollars in the amount of \$42.851 million will procure 18,419 unguided Hydra-70 Rockets. Procurement funding is required in FY 2017 in order to support further evaluation and theater requirements pending a decision on an enduring guided rocket capability. The Army intends to convert any price advantage created through contract negotiations, other service procurement, and/or Foreign Military Sales (FMS) into a buy-to-budget procurement strategy. Pricing and quantities in FY 2016-2021 is uncertain due to an unknown Mk90 grain price planned for negotiation in FY 2016.

"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."

Amendment Justification: This increase requests an additional \$10.000 million to procure an additional 330 guidance sections (E37413) above the PB 2017 Request. Supports meeting the Total Army Munitions Requirement.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army **Date:** March 2017

Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 02: Ammunition Production Base Support / BSA 10: Production Base Support	P-1 Line Item Number / Title: EP1000 / Provision of Industrial Facilities
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	7,224.079	148.092	221.703	404.659	-	404.659	224.356	226.383	229.412	231.625	-	8,910.309
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	7,224.079	148.092	221.703	404.659	-	404.659	224.356	226.383	229.412	231.625	-	8,910.309
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	7,224.079	148.092	221.703	404.659	-	404.659	224.356	226.383	229.412	231.625	-	8,910.309

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

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

Description:

This budget line provides funding for modernization efforts at Government-Owned, Contractor-Operated Army Ammunition Plants (AAPs) and commercial facilities, including replacement of obsolete or worn production equipment, correction of deficiencies and upgrade of infrastructures. The Industrial Facilities (IF) budget line also establishes, augments and improves ammunition production capabilities through strategic modernization efforts, expands production capacity, maintains environmental compliance, and improves quality of work environment and safety at ammunition plants, as well as emergency modernization and associated construction to address production disruptions at various sites.

This budget line provides funding for preservation, storage and movement of real property facilities and equipment required for anticipated future requirements at active and inactive Army ammunition installations, also known as Layaway of Industrial Facilities (LIF) activities. Funding will also support consolidation of laid-away production equipment and redistribution of production equipment that cannot be stored on-site. Laid-away efforts will also include retaining critical operational and technical knowledge of production equipment, such as engineering designs, process data and control manufacturing practices. Efforts will also include safety-related decontamination, disposal and demolition of production equipment and facilities, and environmental site assessments.

Procurement funds also support the Maintenance of Inactive Facilities (MIF) to include utilities, buildings, plant equipment, special tooling, and special test equipment being retained to support future production requirements. Additional efforts include support of associated MIF costs such as grounds maintenance, fire protection, equipment security, and administrative support.

Justification:

FY 2017 Base procurement dollars in the amount of \$222.269 million will support modernization projects to include upgrades to the industrial wastewater treatment processes at Holston AAP, upgrades to the small caliber production lines at Lake City AAP, rail system upgrades at Iowa AAP, and modernization improvements to the Nitric Acid Concentrator/Sulfuric Acid Concentrator at Radford AAP. Funds will support critical work environmental projects, including improvements for personnel safety and health, and efforts to maintain environmental compliance at the ammunition plants. Funds will also provide engineering support of industrial facilities, pre-design efforts for future-year modernization projects and procurement efforts at Aberdeen and Yuma Test Centers to include production acceptance tests for various ammunition end items.

FY 2017 funding also supports the protection and preservation of industrial facilities at active and inactive Army ammunition installations and equipment that are no longer required for current production but must be retained for future peacetime or emergency production needs. Funds support the fourth phase of the decontamination and disposal of excess buildings at Holston Army Ammunition Plant (AAP) and the layaway of various load, assemble and pack production lines at Milan AAP. LIF efforts also include the removal and disposal of legacy Nitrocellulose (NC) present in Hill Tank 417 at Radford AAP, which will significantly reduce environmental and safety issues associated with large quantities of legacy NC.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Army		Date: March 2017
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 02: Ammunition Production Base Support / BSA 10: Production Base Support		P-1 Line Item Number / Title: EP1000 / Provision of Industrial Facilities
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		

FY 2017 funding supports the care and maintenance of laid-away equipment and facilities at active and inactive ammunition installations.

Amendment Justification: This increase requests an additional \$182.390 million above the PB 2017 Request to accelerate modernization projects to upgrade infrastructure and production lines at Holston, Iowa, Lake City, and Radford Army Ammunition Plants. Accelerates infrastructure improvements required to support an increased production capacity of RDX explosive at Holston Army Ammunition Plant.