Exhibit P-40, Budget Line Item	Justificatio	n: PB 2016	Army						Date: Fe	ebruary 201	15	
Appropriation / Budget Activity 2034A: Procurement of Ammuniti Ammunition	-			A 37: Artille	1	.ine Item No 01 / Artillery			05MM, All ⁻	Types		
ID Code (A=Service Ready, B=Not Service Ready) :			Program Eler	nents for Coo	le B Items:			Other Related	d Program Ele	ements:		
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2,970.921	51.225	47.455	57.756	5.000	62.756	57.907	65.483	64.577	62.473	-	3,382.797
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2,970.921	51.225	47.455	57.756	5.000	62.756	57.907	65.483	64.577	62.473	-	3,382.797
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,970.921	51.225	47.455	57.756	5.000	62.756	57.907	65.483	64.577	62.473	-	3,382.797
(The following	g Resource Sumr	mary rows are fo	or informational p	urposes only. Th	e corresponding	g budget requests	s are documente	d elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

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.

(E21200)CTG, ARTY, 105MM BLANK M395

The 105mm M395 blank cartridge is a non-tactical cartridge fired from a M119 Series Towed Howitzer that is used in burial, retreat ceremonies and VIP Salutes as well as simulation of battlefield noise used for training exercises. It is assembled with a loose 770 gram black powder charge retained by a glass-fibre closing wad and a polystyrene closing cup glued in place by an epoxy resin. The base of the case is fitted with an M61 percussion element and a primer. Detonation of the case contents creates sound, flash and smoke. 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. This item is Code A, approved for service use. Funding for the 105MM HE, M1 program in FY2015 and FY16 is for recapitalization.

(E21610)CTG, ARTY, 105MM HE-BB PFF M1130A1 W/O FUZE

Exhibit P-40, Budget Line Item Justification: PB 2016	Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity	:	P-1 Line Item Number / Title:	
2034A: Procurement of Ammunition, Army / BA 01: Amm	unition / BSA 37: Artillery	E15101 / Artillery Cartridges, 7	75MM & 105MM, All Types
Ammunition			
	Program Elements for Code B It		ther Related Program Elements:
The 105mm M1130A1 High Explosive (HE) cartridge fired from a M119 range is 17.5 kilometers) and high quadrant elevation. Firing rounds a of natural fragmenting steel with an inner liner that provides increased insensitive munition (IM) explosive filler that reduces vulnerability to ur current M1130 cartridges by replacing the M67 propellant with the M35 This item is Code B, not approved for service use. (E21705)CTG, ARTY, 105MM IR ILLUM M1064 W/O FUZE The 105mm M1064 Infrared (IR) Illuminating Cartridge is compatible w gram expelling charge, illuminant canister and parachute assembly. Up canister assist in reducing the spin rate while the parachute provides a	t high quadrant elevation is require lethality against personnel and sof planned stimuli. The M1130A1 Ca 50 propellant that extends the range with the M762 series ET fuze, M67 p pon fuze function, the expelling cha a descent rate of 12 m/s. The Infrare	ed to engage targets beyond the tall cress t targets as well as increased accuracy artridge is compatible with the M782 MO e an additional 4 kilomieters. propelling charge, and is packaged in the arge simultaneously ignites the illuminate ed Illumination greatly enhances the effe	sts of mountainous terrain. The projectile warhead is composed due to its aerodynamic shape. The cartridge also consists of DFA and the M767ETSQ series fuzes. The program upgrades the PA117 Shipping Container. The XM1064 consists of a 40 e while ejecting it from the projectile. Once dispensed, fins on the
temporary battlefield infrared illumination to observe the movements at The item is Code A approved for service use.	nd maneuvers of enemy forces und	ler the cover of darkness.	

Exhibit P-40, Budget Line Item Justification	: PB 2016 A	Army				Date	February 2015							
Appropriation / Budget Activity / Budget Su 2034A: Procurement of Ammunition, Army / BA Ammunition		nition	/ BSA 37: Artillery		P-1 Line Item Number / Title: E15101 / Artillery Cartridges, 75MM & 105MM, All Types									
ID Code (A=Service Ready, B=Not Service Ready) :	P	rogram	Elements for Code	B Items:	Oth	er Related Program	Elements:							
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total						
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) I (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) I (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) I (\$ M)						
E15200 / CTG, ARTY, 75MM BLANK, M337A1	P-40a	A	- / 55.019	- / -	- / 4.435	- / -	- / -	- / -						
E21200 / CTG, ARTY, 105MM BLANK M395	P-40a	A	- / 24.475	- / 4.000	- / -	- / -	- / -	- / -						
E21610 / CTG, ARTY, 105MM, EXT RANGE HE-BB PFF, M1130A1 W/O	P-40a	В	- / -	- / 3.332	- / -	- / -	- / -	- / -						
E21501 / CTG, ARTY, 105MM HE, M1 W/O FUZE [C445]	P-5	A	- / 2,635.174	- / 42.493	- / 36.613	- / 57.756	- / 5.000	- / 62.756						
E21702 / CTG, ARTY, 105MM VL ILLUM M314 W/O FUZE	P-5	A	- / 30.091	- / 1.400	- / -	- / -	- / -	- / -						
E21705 / CTG, ARTY,105MM IR ILLUM M1064 W/O FUZE [CA53]	P-5	A	- / 18.957	- / -	- / 6.407	- / -	- / -	- / -						
Total Gross/Weapon System Cost			- / 2,970.921	- / 51.225	- / 47.455	- / 57.756	- / 5.000	- / 62.756						

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

Justification:

FY 2016 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.

FY 2016 Base procurement dollars in the amount of \$57.756 million supports production of 246,000 RECAP Cartridges. FY16 OCO procurement dollars in the amount of \$5.000 million supports 21,000 RECAP Cartridges. Funds are required to replenish munitions expended in combat operations in theater.

E15200 - CTG, ARTY, 75MM BLANK, M337A1

This is a training unique item not used in combat. FY 2015 request supports annual training and builds a depot level inventory in accordance with the Army procurement goals. TYPE CLASSIFICATION DATE: 1975

E21200 - CTG, ARTY, 105MM BLANK M395 This is a training unique item not used in combat. TYPE CLASSIFICATION: 1962

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 2016 procurement supports annual training and builds a war reserve inventory in accordance with the Army procurement goals. TYPE CLASSIFICATION DATE: 1966

E21610 - CTG, ARTY, 105MM, EXT RANGE HE-BB PFF, M1130A1 W/O This is a war reserve item used in combat.

Appropriation / Budget Activity / Budget Sub Activity: P-1 Line Item Number / Title: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery P-1 Line Item Number / Title: 2054A: Procurement of Ammunition Program Elements for Code B Items: Other Related Program Elements: E21702 - CTG, ARTY, 105MM VL ILLUM M314 W/O FUZE This item is a training standard item used in both training and combat. The procurement supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. TYPE CLASSIFICATION: 1970 E21705 - CTG, ARTY, 105MM IR ILLUM M1064 W/O FUZE This item is a training standard item used in both training and combat. Procurement supports annual training and builds a war reserve inventory in accordance with the Army procurement goals. TYPE CLASSIFICATION DATE: 2009
E21702 - CTG, ARTY, 105MM VL ILLUM M314 W/O FUZE This item is a training standard item used in both training and combat. The procurement supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. TYPE CLASSIFICATION: 1970 E21705 - CTG, ARTY,105MM IR ILLUM M1064 W/O FUZE This item is a training standard item used in both training and combat. Procurement supports annual training and builds a war reserve inventory in accordance with the Army procurement goals.
This item is a training standard item used in both training and combat. The procurement supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. TYPE CLASSIFICATION: 1970 E21705 - CTG, ARTY,105MM IR ILLUM M1064 W/O FUZE This item is a training standard item used in both training and combat. Procurement supports annual training and builds a war reserve inventory in accordance with the Army procurement goals.
This item is a training standard item used in both training and combat. Procurement supports annual training and builds a war reserve inventory in accordance with the Army procurement goals.

2034A / 01 / 37	Bu		Activity			ggregat Activity:	F	P-1 Line	Item Nu	mber /		VM & 10	5MM, AI	l Types	Α	ate: Feb ggregat arious		ns Title:		
Note: Subtotals or Total	ls in t	his Exl	nibit P-40a m	ay not be	exact or add	l, due to rou														
				Prior Years			FY 2014			FY 2015		I	FY 2016 Bas	e	I	FY 2016 OCC	D	F	Y 2016 Tota	l
ltem Number / Title [DODIC]	ID	MDAP/ MAIS Code	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
CTG, ARTY, 75MM BLANK		87A1	.,	. ,	, ,	.,	. ,	. ,	.,	. ,		.,	. ,			. ,	,	.,	. ,	. ,
E15200 / CTG, ARTY, 75MM BLANK, M337A1	A		-	-	55.019	_	-	-	-	-	4.435	5 -	-	_	_	_	_	_	-	-
E21200 / CTG, ARTY, 105MM BLANK M395	A		-	-	24.475	-	-	4.000	-	-	-	-	-	-	-	_	-	-	-	-
E21610 / CTG, ARTY, 105MM, EXT RANGE HE-BB PFF, M1130A1 W/O	В		-	-	-	-	-	3.332	-	-	_	-	-	_	-	-	-	-	-	-
Subtotal: CTG, ARTY, 75MM BLANK, M337A1			-	-	79.494	-	-	7.332	-	-	4.435	5 -	-	-	-	-	-	-	-	-
Total			-	-	79.494	-	-	7.332	-	-	4.435	5 -	-	-	-	-	-	-	-	-

Exhibit P-5, Cost	Analysi	s: PB 20	16 Army	,										Date: F	ebruary 2	2015		
Appropriation / B 2034A / 01 / 37	udget A	ctivity /	Budget	Sub Act	ivity:			n Numbe llery Cart		s I	Item Number / Title [DODIC]: E21501 / CTG, ARTY, 105MM HE, M1 W/O FUZE [C445]							
ID Code (A=Service Read	ly, B=Not Serv	rice Ready) : A	٩						MC	DAP/MAIS	S Code:							
F	Resource	e Summ	ary		F	Prior Yea				FY	2015	FY 2	2016 Bas	se F	FY 2016 OCO			6 Total
Procurement Quantity (Uni	its in Each)		•				-		-		-			-		-		-
	ss/Weapon System Cost (\$ in Millions) PY Advance Procurement (\$ in Millions) Procurement (P1) (\$ in Millions) CY Advance Procurement (\$ in Millions)						,635.174		42.493		36.613		57	7.756		5.000		62.756
ess PY Advance Procurement (\$ in Millions) et Procurement (P1) (\$ in Millions) us CY Advance Procurement (\$ in Millions) otal Obligation Authority (\$ in Millions)							-		-		-			-		-		-
Ilus CY Advance Procurement (\$ in Millions) otal Obligation Authority (\$ in Millions) (The following Resource Summary rows are for information itial Spares (\$ in Millions)						2,	,635.174		42.493		36.613		57	7.756		5.000		62.756
Total Obligation Authority (\$ in Millions) (The following Resource Summary rows are for information in the second secon							-		-		-			-		-		-
Gross/Weapon System Unit Cost (\$ in Dollars)						2,	,635.174		42.493		36.613		57	7.756		5.000		62.756
(7)	he following	Resource Si	ummary row	s are for info	ormational pu	urposes only	. The corres	sponding bua	lget requests	s are docum	ented elsewhe	re.)				ġ.		
Initial Spares (\$ in Millions)							-		-		-			-		-		-
Gross/Weapon System Ur	nit Cost (\$ in	Dollars)					-		-		-			-		-		-
		0			· · · · ·									1			0	0
Note: Subtotals or Totals i	n this Exhibi	t P-5 may no	ot be exact o	or add, due to	o rounding.													_
	I	Prior Years	6		FY 2014			FY 2015		F١	Y 2016 Base			(2016 O			Y 2016 To	tal
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Support Cost		, ,			, ,			, ,		,				. ,				
RECAPITALIZATION	-	-	2,635.174	-	-	42.493	-	-	36.613	-	-	57.756	-	-	5.000	-	-	62.75
Subtotal: Support Cost	-	-	2,635.174	-	-	42.493	-	-	36.613	-	-	57.756	-	-	5.000	-	-	62.75
Gross/Weapon System Cost	-	-	2,635.174	-	-	42.493	-	-	36.613	-	-	57.756	-	-	5.000	-	-	62.75

Exhibit P-5, Cost Appropriation / B 2034A / 01 / 37					vity:			n Numbe llery Cart		es	Date: February 2015 Item Number / Title [DODIC]: E21702 / CTG, ARTY, 105MM VL ILLUM M314 W/O FUZE							
ID Code (A=Service Read	ly, B=Not Servi	ce Ready) : A	۹.						М	DAP/MAIS	S Code:							
F	Resource	Summ	ary		F	Prior Yea	ars	FY 2014		FY 2015		FY	2016 Bas	se F	FY 2016 OC		CO FY 2016 T	
Procurement Quantity (Uni	its in Each)		-				-		-		-			-		-		-
Gross/Weapon System Co	ost (\$ in Million	s)					30.091		1.400		-			-		-		-
Less PY Advance Procure	ement (\$ in Mill	ions)					-		-		-			-		-		-
Net Procurement (P1) (\$ in	Procurement (P1) (\$ in Millions) s CY Advance Procurement (\$ in Millions) al Obligation Authority (\$ in Millions) (The following Resource Summary rows are for informat						30.091		1.400		-			-		-		-
Plus CY Advance Procure	ment (\$ in Mill	ions)					-		-		-			-		-		-
Total Obligation Authorit	otal Obligation Authority (\$ in Millions) (The following Resource Summary rows are for informations)						30.091		1.400		-			-		-		-
(TI	he following F	Resource Si	ummary row	is are for info	rmational pu	irposes only	y. The corre	sponding bud	lget request	s are docum	ented elsew	here.)						
Initial Spares (\$ in Millions)							-		-		-			-		-		-
Gross/Weapon System Ur	nit Cost (\$ in D	ollars)					-		-		-			-		-		-
		<u> </u>					1	1										1
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding Prior Years FY 2014								FY 2015		EV	(2016 Bas		E	r 2016 O		E	(2016 Tot	
	Unit Cost	Qty	Total Cost	Unit Cost	FY 2014 Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total	Total Cost Unit Cost		Total Cost	Unit Cost	Qty	Total Cost
Cost Elements	(\$)	(Each)	(\$ M)	(\$)	(Each)	(\$ M)	(\$)	(Each)	(\$ M)	(\$)	(Each)	(\$ M)	(\$)	Qty (Each)	(\$ M)	(\$)	(Each)	(\$ M)
Support Cost				, , , , , , , , , , , , , , , , , , ,			1	1					1		1	1		1
PRODUCTION ENGINEERING	-	-	-	-	-	1.400	-	-	-	-	-	-	-	-	-	-	-	-
ACCEPTANCE TESTING		-	30.091	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support Cost	-	-	30.091	-	-	1.400	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	30.091	-	-	1.400	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Appropriation / E 2034A / 01 / 37			-		ivity:			Numbe lery Cart		s	Date: February 2015Item Number / Title [DODIC]:E21705 / CTG, ARTY,105MM IR ILLUMM1064 W/O FUZE [CA53]							
ID Code (A=Service Rea	dy, B=Not Serv	ice Ready) : A	4			1			M	DAP/MAIS	S Code:							
	Resource	e Summ	ary		P	rior Years	S	FY 2014		FY	2015	FY	2016 Bas	se F	Y 2016 (000	FY 2016	6 Total
Procurement Quantity (Un	its in Each)		-				-		-		-			-		-		-
Gross/Weapon System C	ost (\$ in Millior	ns)				18	8.957		-		6.40	7		-		-		-
Less PY Advance Procure	ement (\$ in Mi	llions)					-		-		-			-		-		-
Net Procurement (P1) (\$ i	Obligation Authority (\$ in Millions)						8.957		-		6.40	7		-		-		-
us CY Advance Procurement (\$ in Millions) tal Obligation Authority (\$ in Millions) (The following Resource Summary rows are for information in the following Resource Summary rows are for information in the following Resource Summary rows are for information in the following Resource Summary rows are for information in the following Resource Summary rows are for information in the following Resource Summary rows are for information in the following Resource Summary rows are for information in the following Resource Summary rows are for information in the following Resource Summary rows are for information in the following Resource Summary rows are for information in the following Resource Summary rows are for information in the following Resource Summary rows are for information in the following Resource Summary rows are for information in the following Resource Summary rows are for information in the following Resource Summary rows are following Re							-		-		-			-		-		-
Total Obligation Authority (\$ in Millions)						18	8.957		-		6.40	7		-		-		-
(7	he following	Resource Si	ummary row	s are for info	rmational pur	poses only. Tl	he corres	ponding bud	get request	s are docum	ented elsewh	ere.)						
Initial Spares (\$ in Millions)							-		-		-			-		-		-
Gross/Weapon System U	nit Cost (\$ in I	Dollars)					-		-		-			-		-		-
Note: Subtotals or Totals	1			-				51/ 00/ 5			(0040 D			Y 2016 OC			(0040 T-	4-1
	ł	Prior Years			FY 2014	–		FY 2015 Total		۲٦	/ 2016 Base					FY 2016 Total		1
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost Ui (\$ M)	nit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Support Cost	,	, ,						()			, ,	. ,		. ,		,	, ,	
RECAPITALIZATION	-	-	18.957	-	-	-	-	-	6.407	-	-	-	-	-	-	-	-	-
Subtotal: Support Cost	-	-	18.957	-	-	-	-	-	6.407	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	18.957	-	-	-	-	-	6.407	-	-	-	-	-	-	-	-	-