

UNCLASSIFIED

Exhibit P-40, Budget Item Justification Sheet: PB Amended 2014 Army **Date:** May 2013

Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types
--	--

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

MDAP/MAIS Code(s):

Resource Summary	Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	3,252.213	103.227	80.817	39.825	10.000	49.825	42.142	36.300	62.737	54.624	-	3,681.885
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	3,252.213	103.227	80.817	39.825	10.000	49.825	42.142	36.300	62.737	54.624	-	3,681.885
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	3,252.213	103.227	80.817	39.825	10.000	49.825	42.142	36.300	62.737	54.624	-	3,681.885

(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>Units in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>Units in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} This Budget Amendment, which includes Base and OCO funding for FY 2014, replaces the FY 2014 Base Budget Request only submission of April 2013

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

SYSTEM DESCRIPTION:

The 75mm M337A2 is a non-tactical 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

SYSTEM DESCRIPTION:

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 simulate 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/recapitalize the remaining unserviceable cartridges through replacement of M67 Prop Charge and Primer and put back into the serviceable inventory at a reduced cost over new production to provide a cost effective training cartridge. Program also funds new production of insensitive munition (IM)

UNCLASSIFIED

Exhibit P-40, Budget Item Justification Sheet: PB Amended 2014 Army		Date: May 2013
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition		P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
MDAP/MAIS Code(s):		
<p>explosive filled cartridges for operations and war reserve. The IM feature of this cartridge reduces the vulnerability to unplanned stimuli, e.g. fire/heat, shock and impact. Lethality is maintained by using a high fragmentation steel (HF-1) shell body loaded with approximately 9 pounds of an IM explosive. This item is Code A, approved for service use. E21601 - CTG, ARTY, 105MM HE-BB PFF M1130 W/O FUZE SYSTEM DESCRIPTION: The 105mm M1130 High Explosive (HE) cartridge fired from a M119A1 Series Towed Howitzer contains a HE fill and is primarily used in combat operations for missions that are fired at a maximum range of 13.5 kilometers and high quadrant elevation. Firing rounds at high quadrant elevation is required to engage targets beyond the tall crests of mountainous terrain. The M1130 is a semi-fixed cartridge composed of the M14 Cartridge Case, M28B2 Percussion Primer, M67 Propelling Charge and a Base Bleed. The projectile warhead is composed of natural fragmenting steel with an inner liner of tungsten spheres that provides increased lethality against personnel and soft targets as well as increased accuracy due to its aerodynamic shape. The cartridge also consists of insensitive munition (IM) explosive filler that reduces vulnerability to unplanned stimuli. The M1130 Cartridge is compatible with the M782 MOFA and the M767ETSQ series fuzes. This item is Code A, approved for service use. E21610 - CTG, ARTY, 105MM HE-BB PFF M1130A1 W/O FUZE SYSTEM DESCRIPTION: The 105mm M1130A1 High Explosive (HE) cartridge fired from a M119A1 Series Towed Howitzer contains a HE fill and is primarily used in combat operations for missions that are fired at long range (maximum range is 17.5 kilometers) and high quadrant elevation. Firing rounds at high quadrant elevation is required to engage targets beyond the tall crests of mountainous terrain. The M1130 is a semi-fixed cartridge composed of the M14 Cartridge Case, XM133 Percussion Primer, XM350 Propelling Charge and a Base Bleed. The projectile warhead is composed of natural fragmenting steel with an inner liner of tungsten spheres that provides increased lethality against personnel and soft targets as well as increased accuracy due to its aerodynamic shape. The cartridge also consists of insensitive munition (IM) explosive filler that reduces vulnerability to unplanned stimuli. The M1130A1 Cartridge is compatible with the M782 MOFA and the M767ETSQ series fuzes. This item is Code B, not approved for service use. E21702 - CTG, ARTY, 105MM VL ILLUM M314 W/O FUZE SYSTEM DESCRIPTION: The 105mm M314A3 Visible Light (VL) Illumination cartridge is used to illuminate a designated target area. The M314A3 is a semi-fixed illuminating cartridge which includes an M14 Cartridge Case, M28 Percussion Primer, M67 Prop Charge, a projectile which contains a pinned base plug, a black powder expelling charge, an illuminating canister with anti-rotational vanes, and a parachute assembly which is connected to the closed end of the canister. The canister contains illuminating filler covered by a thin layer of first fire composition. This item is Code A, approved for service use. E21705 - CTG, ARTY, 105MM IR ILLUM M1064 W/O FUZE SYSTEM DESCRIPTION: The M1064 is a 105mm Infrared (IR) Illuminating Cartridge compatible with the M762 series ET fuze, M67 propelling charge, and is packaged in the PA117 Shipping Container. The XM1064 consists of a 40 gram expelling charge, illuminant canister and parachute assembly. Upon fuze function, the expelling charge simultaneously ignites the illuminate while ejecting it from the projectile. Once dispensed, fins on the canister assist in reducing the spin rate while the parachute provides a descent rate of 12 m/s. The Infrared Illumination greatly enhances the effectiveness of night vision devices providing front line units with temporary battlefield infrared illumination to observe the movements and maneuvers of enemy forces under the cover of darkness. The item is Code A approved for service use.</p>		

UNCLASSIFIED

Exhibit P-40, Budget Item Justification Sheet: PB Amended 2014 Army **Date: May 2013**

Appropriation / Budget Activity / Budget Sub Activity:
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition

P-1 Line Item Nomenclature:
E15101 - Artillery Cartridges, 75MM & 105MM, All Types

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

MDAP/MAIS Code(s):

Item Schedule		ID CD	Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits		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)
E15200 - CTG, ARTY, 75MM BLANK, M337A1	P5, P5A, P21	A	-	-	49.713	-	68,385	5.306	-	-	0.296	-	-	-	-	-	-	-	-	-
CTG, ARTY, 105MM BLANK M395	P40A		-	-	-	101.68	15,450	1.571	-	-	0.044	108.32	36,928	4.000	-	-	-	108.32	36,928	4.000
E21501 - CTG, ARTY, 105MM HE, M1 W/O FUZE	P5, P5A, P21	A	-	-	2,530.717	-	-	51.735	-	36,150	44.493	-	-	22.493	-	-	10.000	-	-	32.493
E21601 - CTG,ARTY, 105MM HE-BB PFF M1130 W/O FUZE	P5, P5A, P21	A	-	-	80.657	-	9,781	29.291	-	-	-	-	-	-	-	-	-	-	-	-
E21610 - CTG, ARTY, 105MM, EXT RANGE HE-BB PFF, M1130A1 W/O	P5, P5A, P21	B	-	-	-	-	-	-	3,157.14	9,571	30.217	3,243.80	4,110	13.332	-	-	-	3,243.80	4,110	13.332
E21702 - CTG, ARTY, 105MM VL ILLUM M314 W/O FUZE	P5, P5A, P21	A	-	-	18.629	-	9,021	11.462	-	-	-	-	-	-	-	-	-	-	-	-
E21705 - CTG, ARTY,105MM IR ILLUM M1064 W/O FUZE	P5, P5A, P21	A	-	-	9.328	-	2,615	3.862	-	4,033	5.767	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost					3,252.213			103.227			80.817			39.825			10.000			49.825

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:
FY 2014 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.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB Amended 2014 Army		Date: May 2013
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types	Item Nomenclature (Item Number - Item Name, DODIC): E15200 - CTG, ARTY, 75MM BLANK, M337A1

Resource Summary	Prior Years	FY 2012	FY 2013[#]	FY 2014 Base	FY 2014 OCO^{##}	FY 2014 Total
Procurement Quantity (<i>Units in Each</i>)	-	68,385	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	49.713	5.306	0.296	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	49.713	5.306	0.296	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	49.713	5.306	0.296	-	-	-

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

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

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} This Budget Amendment, which includes Base and OCO funding for FY 2014, replaces the FY 2014 Base Budget Request only submission of April 2013

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)
Hardware Cost																			
Recurring Cost																			
† LOAD, ASSEMBLE, PACK (LAP)		-	-	-	53.24	68,385	3.641	-	-	-	-	-	-	-	-	-	-	-	-
† BLACK POWDER CLASS 1		-	-	-	14.54	68,397	0.994	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total Recurring Cost</i>							4.635												
<i>Total Hardware Cost</i>							4.635												
Support Cost																			
PRODUCTION ENGINEERING		-	-	-	-	-	0.669	-	-	0.294	-	-	-	-	-	-	-	-	-
QUALITY ASSURANCE		-	-	-	-	-	0.002	-	-	0.002	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>							0.671			0.296									
Gross Weapon System Cost							5.306			0.296									

P-5 Remarks:

UNCLASSIFIED

Exhibit P-5A, Budget Procurement History and Planning: PB Amended 2014 Army **Date:** May 2013

Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types	Item Nomenclature: E15200 - CTG, ARTY, 75MM BLANK, M337A1
---	--	--

Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†LOAD, ASSEMBLE, PACK (LAP)		2012	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / FFP	ROCK ISLAND ARSENAL, IL	Feb 2012	Mar 2013	68,385	53.24	Y		
BLACK POWDER CLASS 1		2012	GOEX, INC / MINDEN, LA	SS / FFP	ROCK ISLAND ARSENAL, IL	Apr 2012	Jul 2012	68,397	14.54	Y		

UNCLASSIFIED

Exhibit P-21, Budget Production Schedule: PB Amended 2014 Army		Date: May 2013
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types	Item Nomenclature: E15200 - CTG, ARTY, 75MM BLANK, M337A1

MFR #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	AMERICAN ORDNANCE LLC (IAAP) - MIDDLETOWN, IA	11.000	20.500	57.400	6	6	10	16	6	6	10	16

"A" in the Delivery Schedule indicated the Contract Award Date.
 Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB Amended 2014 Army		Date: May 2013
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types	Item Nomenclature (Item Number - Item Name, DODIC): E21501 - CTG, ARTY, 105MM HE, M1 W/O FUZE

Resource Summary	Prior Years	FY 2012	FY 2013[#]	FY 2014 Base	FY 2014 OCO^{##}	FY 2014 Total
Procurement Quantity (Units in Each)	-	-	36,150	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2,530.717	51.735	44.493	22.493	10.000	32.493
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2,530.717	51.735	44.493	22.493	10.000	32.493
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,530.717	51.735	44.493	22.493	10.000	32.493

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

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

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} This Budget Amendment, which includes Base and OCO funding for FY 2014, replaces the FY 2014 Base Budget Request only submission of April 2013

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)
Hardware Cost																			
Recurring Cost																			
† LOAD, ASSEMBLE, PACK (LAP)		-	-	-	-	-	-	152.02	36,150	5.496	-	-	-	-	-	-	-	-	-
† M14B1 BRASS CARTRIDGE CASE		-	-	-	-	-	-	104.49	36,873	3.853	-	-	-	-	-	-	-	-	-
† METAL PARTS, M1 HF		-	-	-	-	-	-	287.60	36,873	10.605	-	-	-	-	-	-	-	-	-
† M67 PROP CHARGE		-	-	-	-	-	-	21.35	36,873	0.787	-	-	-	-	-	-	-	-	-
† SUPPLEMENTAL CHARGE, PBXN9		-	-	-	-	-	-	48.20	36,873	1.777	-	-	-	-	-	-	-	-	-
† PRIMER PERCUSSION M28B2		-	-	-	-	-	-	13.07	36,873	0.482	-	-	-	-	-	-	-	-	-
† PROPELLANT POWDER M1 SP		-	-	-	-	-	-	17.21	23,498	0.404	-	-	-	-	-	-	-	-	-
† PROPELLANT POWDER M1 MP		-	-	-	-	-	-	9.89	86,760	0.858	-	-	-	-	-	-	-	-	-
† METAL CONTAINER PA 117		-	-	-	-	-	-	82.85	36,873	3.055	-	-	-	-	-	-	-	-	-
† CONTAINER AMMUNITION FIBER PA55		-	-	-	-	-	-	25.94	36,873	0.956	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB Amended 2014 Army		Date: May 2013
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition		P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types
		Item Nomenclature (Item Number - Item Name, DODIC): E21501 - CTG, ARTY, 105MM HE, M1 W/O FUZE

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)
† EXPLOSIVE FILL IMX-101		-	-	-	-	-	-	13.97	310,890	4.343	-	-	-	-	-	-	-	-	-
<i>Total Recurring Cost</i>				-						32.616									-
<i>Total Hardware Cost</i>				-						32.616									-
Support Cost																			
PRODUCTION ENGINEERING		-	-	-	-	-	-	-	-	3.587	-	-	-	-	-	-	-	-	-
QUALITY ASSURANCE		-	-	-	-	-	-	-	-	0.010	-	-	-	-	-	-	-	-	-
ACCEPTANCE TESTING		-	-	-	-	-	-	-	-	0.280	-	-	-	-	-	-	-	-	-
RECAPITALIZATION		-	-	-	-	-	51.735	-	-	8.000	-	-	22.493	-	-	10.000	-	-	32.493
<i>Total Support Cost</i>				-			51.735			11.877			22.493			10.000			32.493
Gross Weapon System Cost				2,530.717			51.735			44.493			22.493			10.000			32.493

P-5 Remarks:

UNCLASSIFIED

Exhibit P-5A, Budget Procurement History and Planning: PB Amended 2014 Army										Date: May 2013		
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition				P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types				Item Nomenclature: E21501 - CTG, ARTY, 105MM HE, M1 W/O FUZE				
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†LOAD, ASSEMBLE, PACK (LAP)		2013	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2013	Jun 2015	36,150	152.02	Y		
M14B1 BRASS CARTRIDGE CASE		2013	GEN DYNAMICS ORD & TAC SYS - / LE GARDEUR, CANADA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Jan 2013	Sep 2014	36,873	104.49			
METAL PARTS, M1 HF		2013	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2013	Jan 2015	36,873	287.60	Y		
M67 PROP CHARGE		2013	GEN DYNAMICS ORD & TAC SYS - / LE GARDEUR, CANADA	C / FFP	ROCK ISLAND ARSENAL, IL	Dec 2012	Oct 2013	36,873	21.35	Y		
SUPPLEMENTAL CHARGE, PBXN9		2013	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2013	Dec 2014	36,873	48.20	Y		
PRIMER PERCUSSION M28B2		2013	D & Z DEFENSE SYS DIV LONE / TEXARKANA, TX	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2013	Feb 2014	36,873	13.07	Y		
PROPELLANT POWDER M1 SP		2013	BAE SYSTEMS ORDNANCE SYSTEMS / RADFORD,	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2013	Jun 2013	23,498	17.21	Y		
PROPELLANT POWDER M1 MP		2013	BAE SYSTEMS ORDNANCE SYSTEMS / RADFORD,	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2013	Jun 2013	86,760	9.89	Y		
METAL CONTAINER PA 117		2013	TO BE SELECTED / TBS01	C / FFP	PICATINNY ARSENAL, NJ	Jun 2013	Dec 2014	36,873	82.85	Y		
CONTAINER AMMUNITION FIBER PA55		2013	OMEGA CONTAINER INC. / ARCADIA, LA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2013	Sep 2013	36,873	25.94	Y		
EXPLOSIVE FILL IMX-101		2013	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	SS / FFP	ROCK ISLAND ARSENAL, IL	Apr 2013	Dec 2014	310,890	13.97	Y		

UNCLASSIFIED

Exhibit P-21, Budget Production Schedule: PB Amended 2014 Army															Date: May 2013														
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition										P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types										Item Nomenclature: E21501 - CTG, ARTY, 105MM HE, M1 W/O FUZE									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2013													Fiscal Year 2014																
O C C O	M F R #	FY	SERVICE [±]	PROC QTY	ACCEP PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013													Calendar Year 2014															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				
LOAD, ASSEMBLE, PACK (LAP)																																			
	1	2013	ARMY	36.150	-	36.150	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.150
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				

UNCLASSIFIED

Exhibit P-21, Budget Production Schedule: PB Amended 2014 Army															Date: May 2013														
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition										P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types										Item Nomenclature: E21501 - CTG, ARTY, 105MM HE, M1 W/O FUZE									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2015												Fiscal Year 2016													
O C C O	M F R #	FY	SERVICE±	PROC QTY	ACCEP PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015												Calendar Year 2016												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
LOAD, ASSEMBLE, PACK (LAP)																															
	1	2013	ARMY	36.150	-	36.150	-	-	-	-	-	-	-	-	-	36.150															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Budget Production Schedule: PB Amended 2014 Army		Date: May 2013
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types	Item Nomenclature: E21501 - CTG, ARTY, 105MM HE, M1 W/O FUZE

MFR #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	AMERICAN ORDNANCE LLC (IAAP) - MIDDLETOWN, IA	10.000	21.000	58.800	6	6	24	30	6	6	24	30

"A" in the Delivery Schedule indicated the Contract Award Date.
 Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB Amended 2014 Army		Date: May 2013
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types	Item Nomenclature (Item Number - Item Name, DODIC): E21601 - CTG,ARTY, 105MM HE-BB PFF M1130 W/O FUZE

Resource Summary	Prior Years	FY 2012	FY 2013[#]	FY 2014 Base	FY 2014 OCO^{##}	FY 2014 Total
Procurement Quantity (Units in Each)	-	9,781	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	80.657	29.291	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	80.657	29.291	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	80.657	29.291	-	-	-	-

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

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

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} This Budget Amendment, which includes Base and OCO funding for FY 2014, replaces the FY 2014 Base Budget Request only submission of April 2013

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)
Hardware Cost																			
Recurring Cost																			
† LOAD, ASSEMBLE, PACK (LAP)		-	-	-	2,518.93	9,781	24.638	-	-	-	-	-	-	-	-	-	-	-	-
† M14B1 BRASS CARTRIDGE CASE		-	-	-	81.45	9,977	0.813	-	-	-	-	-	-	-	-	-	-	-	-
† PRIMER PERCUSSION M28B2		-	-	-	12.85	9,977	0.128	-	-	-	-	-	-	-	-	-	-	-	-
† PROPELLANT POWDER M1 SP		-	-	-	8.85	6,358	0.056	-	-	-	-	-	-	-	-	-	-	-	-
† PROPELLANT POWDER M1 MP		-	-	-	8.85	23,474	0.208	-	-	-	-	-	-	-	-	-	-	-	-
† M67 PROP CHARGE		-	-	-	19.52	9,977	0.195	-	-	-	-	-	-	-	-	-	-	-	-
† FIBER CONTAINER PA 112		-	-	-	32.61	9,977	0.325	-	-	-	-	-	-	-	-	-	-	-	-
† METAL CONTAINER PA 117		-	-	-	64.93	9,977	0.648	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost							27.011												
Total Hardware Cost							27.011												
Support Cost																			
PRODUCTION ENGINEERING		-	-	-	-	-	2.155	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB Amended 2014 Army														Date: May 2013					
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition							P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types							Item Nomenclature (Item Number - Item Name, DODIC): E21601 - CTG,ARTY, 105MM HE-BB PFF M1130 W/O FUZE					

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)
ACCEPTANCE TESTING		-	-	-	-	-	0.125	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>				-			2.280			-			-			-			-
Gross Weapon System Cost				80.657			29.291			-			-			-			-

P-5 Remarks:

UNCLASSIFIED

Exhibit P-5A, Budget Procurement History and Planning: PB Amended 2014 Army										Date: May 2013		
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition				P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types				Item Nomenclature: E21601 - CTG,ARTY, 105MM HE-BB PFF M1130 W/O FUZE				
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†LOAD, ASSEMBLE, PACK (LAP)		2012	GENERAL DYNAMICS ORD AND TACT / ST PETERSBURG, FL	C / FFP	PICATINNY ARSENAL, NJ	Apr 2012	Apr 2014	9,781	2,518.93	Y		
M14B1 BRASS CARTRIDGE CASE		2012	NI INDUSTRIES INC. / ROCK ISLAND, IL	C / FFP	PICATINNY ARSENAL, NJ	Aug 2012	Feb 2014	9,977	81.45	Y		
PRIMER PERCUSSION M28B2		2012	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	C / FFP	PICATINNY ARSENAL, NJ	May 2012	Nov 2013	9,977	12.85	Y		
PROPELLANT POWDER M1 SP		2012	BAE SYSTEMS ORDNANCE SYSTEMS / RADFORD,	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Aug 2013	6,358	8.85	Y		
PROPELLANT POWDER M1 MP		2012	BAE SYSTEMS ORDNANCE SYSTEMS / RADFORD,	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Aug 2013	23,474	8.85	Y		
M67 PROP CHARGE		2012	GEN DYNAMICS ORD & TAC SYS - / LE GARDEUR, CANADA	C / FFP	ROCK ISLAND ARSENAL, IL	May 2012	Nov 2013	9,977	19.52	Y		
FIBER CONTAINER PA 112		2012	GENERAL DYNAMICS ORD AND TACT / ST PETERSBURG, FL	C / FFP	PICATINNY ARSENAL, NJ	May 2012	Nov 2013	9,977	32.61	Y		
METAL CONTAINER PA 117		2012	DEL FASCO INC DBA DEL FASCO OF / AFTON, TN	C / FFP	PICATINNY ARSENAL, NJ	Aug 2012	Feb 2014	9,977	64.93	Y		
Remarks: M67 Propellant Charges: IDIQ awarded (Jun 11) to General Dynamces, LE GA RDEUR, Canada.												

UNCLASSIFIED

Exhibit P-21, Budget Production Schedule: PB Amended 2014 Army															Date: May 2013														
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition										P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types										Item Nomenclature: E21601 - CTG,ARTY, 105MM HE-BB PFF M1130 W/O FUZE									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2012													Fiscal Year 2013													
O C C O	M F R #	FY	SERVICE±	PROC QTY	ACCEP PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	Calendar Year 2012													Calendar Year 2013												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
LOAD, ASSEMBLE, PACK (LAP)																																
	1	2012	ARMY	9.781	-	9.781	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.781
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

UNCLASSIFIED

Exhibit P-21, Budget Production Schedule: PB Amended 2014 Army																							Date: May 2013																				
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition										P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types										Item Nomenclature: E21601 - CTG,ARTY, 105MM HE-BB PFF M1130 W/O FUZE																							
Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2014										Fiscal Year 2015																										
							Calendar Year 2014										Calendar Year 2015																										
O	C	M	F	R	FY	SERVICE[±]	PROC	QTY	ACCEP	PRIOR	TO 1	BAL	OCT	AS OF	1 OCT	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B			
LOAD, ASSEMBLE, PACK (LAP)																																											
	1		2012	ARMY		9.781	-					9.781	-	-	-	-	-	-	-	-	-	-	1.200	2.000	2.000	2.000	2.581												-				

UNCLASSIFIED

Exhibit P-21, Budget Production Schedule: PB Amended 2014 Army		Date: May 2013
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types	Item Nomenclature: E21601 - CTG,ARTY, 105MM HE-BB PFF M1130 W/O FUZE

MFR #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	GENERAL DYNAMICS ORD AND TACT - ST PETERSBURG, FL	1.000	2.000	4.000	6	6	24	30	6	6	24	30

"A" in the Delivery Schedule indicated the Contract Award Date.
 Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB Amended 2014 Army		Date: May 2013
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types	Item Nomenclature (Item Number - Item Name, DODIC): E21610 - CTG, ARTY, 105MM, EXT RANGE HE-BB PFF, M1130A1 W/O

Resource Summary	Prior Years	FY 2012	FY 2013[#]	FY 2014 Base	FY 2014 OCO^{##}	FY 2014 Total
Procurement Quantity (Units in Each)	-	-	9,571	4,110	-	4,110
Gross/Weapon System Cost (\$ in Millions)	-	-	30.217	13.332	-	13.332
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	30.217	13.332	-	13.332
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	30.217	13.332	-	13.332

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (Units in Dollars)	-	-	3,157.14	3,243.80	-	3,243.80

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} This Budget Amendment, which includes Base and OCO funding for FY 2014, replaces the FY 2014 Base Budget Request only submission of April 2013

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)
Hardware Cost																			
Recurring Cost																			
† COMPLETE ROUND		-	-	-	-	-	-	-	-	2,893.46	4,110	11.892	-	-	-	2,893.46	4,110	11.892	
† LOAD, ASSEMBLE, PACK (LAP)		-	-	-	-	-	2,382.76	9,571	22.805	-	-	-	-	-	-	-	-	-	
† M14B1 BRASS CARTRIDGE CASE		-	-	-	-	-	104.49	9,763	1.020	-	-	-	-	-	-	-	-	-	
† PRIMER PERCUSSION, XM133		-	-	-	-	-	39.68	7,236	0.287	-	-	-	-	-	-	-	-	-	
† FIBER CONTAINER PA 112		-	-	-	-	-	35.47	9,763	0.346	-	-	-	-	-	-	-	-	-	
† PROPELLANT CHARGE, XM350		-	-	-	-	-	39.43	9,763	0.385	-	-	-	-	-	-	-	-	-	
† PROPELLANT, XM60		-	-	-	-	-	8.41	35,470	0.298	-	-	-	-	-	-	-	-	-	
† METAL CONTAINER PA 117		-	-	-	-	-	82.85	9,763	0.809	-	-	-	-	-	-	-	-	-	
Total Recurring Cost				-		-			25.950			11.892			-			11.892	
Total Hardware Cost				-		-			25.950			11.892			-			11.892	
Support Cost																			
PRODUCTION ENGINEERING		-	-	-	-	-	-	-	1.734	-	-	1.335	-	-	-	-	-	1.335	

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB Amended 2014 Army													Date: May 2013					
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition						P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types						Item Nomenclature (Item Number - Item Name, DODIC): E21610 - CTG, ARTY, 105MM, EXT RANGE HE-BB PFF, M1130A1 W/O						

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)
QUALITY ASSURANCE		-	-	-	-	-	-	-	-	0.003	-	-	0.007	-	-	-	-	-	0.007
ACCEPTANCE TESTING		-	-	-	-	-	-	-	-	0.765	-	-	0.098	-	-	-	-	-	0.098
FIRST ARTICLE TEST		-	-	-	-	-	-	-	-	0.160	-	-	-	-	-	-	-	-	-
PRODUCTION VERIFICATION TEST		-	-	-	-	-	-	-	-	1.605	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>				-			-			4.267			1.440			-			1.440
Gross Weapon System Cost				-			-			30.217			13.332			-			13.332

P-5 Remarks:

UNCLASSIFIED

Exhibit P-5A, Budget Procurement History and Planning: PB Amended 2014 Army **Date:** May 2013

Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types	Item Nomenclature: E21610 - CTG, ARTY, 105MM, EXT RANGE HE-BB PFF, M1130A1 W/O
---	--	---

Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†COMPLETE ROUND		2014	TO BE SELECTED / TBS01	C / FFP	PICATINNY ARSENAL, NJ	May 2015	Jul 2016	4,110	2,893.46			
†LOAD, ASSEMBLE, PACK (LAP)		2013	TO BE SELECTED / TBS01	C / FFP	PICATINNY ARSENAL, NJ	Mar 2015	Mar 2016	9,571	2,382.76	N		
M14B1 BRASS CARTRIDGE CASE		2013	TO BE SELECTED / TBS	C / FFP	ROCK ISLAND ARSENAL, IL	May 2014	Nov 2015	9,763	104.49	Y		
PRIMER PERCUSSION, XM133		2013	TO BE SELECTED / TBS	C / FFP	PICATINNY ARSENAL, NJ	May 2014	Nov 2015	7,236	39.68	N		
FIBER CONTAINER PA 112		2013	TO BE SELECTED / TBS	C / FFP	ROCK ISLAND ARSENAL, IL	May 2014	Nov 2015	9,763	35.47	Y		
PROPELLANT CHARGE, XM350		2013	TO BE SELECTED / TBS	C / FFP	ROCK ISLAND ARSENAL, IL	May 2014	Nov 2015	9,763	39.43	N		
PROPELLANT, XM60		2013	TO BE SELECTED / TBS	C / FFP	ROCK ISLAND ARSENAL, IL	May 2014	Nov 2015	35,470	8.41	N		
METAL CONTAINER PA 117		2013	TO BE SELECTED / TBS	C / FFP	ROCK ISLAND ARSENAL, IL	May 2014	Nov 2015	9,763	82.85	Y		

UNCLASSIFIED

Exhibit P-21, Budget Production Schedule: PB Amended 2014 Army																							Date: May 2013																					
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition											P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types											Item Nomenclature: E21610 - CTG, ARTY, 105MM, EXT RANGE HE-BB PFF, M1130A1 W/O																						
Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2016													Fiscal Year 2017																									
						Calendar Year 2016													Calendar Year 2017																									
O	C	M	F	R	#	FY	SERVICE[±]	PROC	QTY	ACCEP	PRIOR	TO 1	BAL	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B						
										TO 1	OCT	AS OF	1 OCT	C	V	C	A	E	A	P	A	Y	N	L	U	E	T	V	C	A	E	R	A	P	Y	N	L	U	L	G	E	P	A	L
COMPLETE ROUND																																												
	1					2014	ARMY		4.110	-		4.110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LOAD, ASSEMBLE, PACK (LAP)																																												
	2					2013	ARMY		9.571	-		9.571	-	-	-	-	-	-	-	5.000	4.571																							
														O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B						
														C	V	C	A	E	R	P	A	Y	N	L	U	E	T	V	C	A	E	R	A	P	Y	N	L	U	L	G	E	P	A	L

UNCLASSIFIED

Exhibit P-21, Budget Production Schedule: PB Amended 2014 Army		Date: May 2013
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types	Item Nomenclature: E21610 - CTG, ARTY, 105MM, EXT RANGE HE-BB PFF, M1130A1 W/O

MFR #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR	1-8-5	MAX	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	TO BE SELECTED - TBS01	1.000	5.000	10.000	6	6	24	30	6	6	6	4	10
2	TO BE SELECTED - TBS01	1.000	5.000	10.000	6	6	24	30	6	6	6	4	10

"A" in the Delivery Schedule indicated the Contract Award Date.

Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB Amended 2014 Army		Date: May 2013
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types	Item Nomenclature (Item Number - Item Name, DODIC): E21702 - CTG, ARTY, 105MM VL ILLUM M314 W/O FUZE

Resource Summary	Prior Years	FY 2012	FY 2013[#]	FY 2014 Base	FY 2014 OCO^{##}	FY 2014 Total
Procurement Quantity (<i>Units in Each</i>)	-	9,021	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	18.629	11.462	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	18.629	11.462	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	18.629	11.462	-	-	-	-

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

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

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} This Budget Amendment, which includes Base and OCO funding for FY 2014, replaces the FY 2014 Base Budget Request only submission of April 2013

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)
Hardware Cost																			
Recurring Cost																			
† COMPLETE ROUND		-	-	-	1,000.00	9,021	9,021	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total Recurring Cost</i>				-			9,021			-			-			-			-
<i>Total Hardware Cost</i>				-			9,021			-			-			-			-
Support Cost																			
PRODUCTION ENGINEERING		-	-	-	-	-	2.356	-	-	-	-	-	-	-	-	-	-	-	-
QUALITY ASSURANCE		-	-	-	-	-	0.010	-	-	-	-	-	-	-	-	-	-	-	-
ACCEPTANCE TESTING		-	-	-	-	-	0.075	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>				-			2,441			-			-			-			-
Gross Weapon System Cost				18.629			11.462			-			-			-			-

P-5 Remarks:

UNCLASSIFIED

Exhibit P-5A, Budget Procurement History and Planning: PB Amended 2014 Army								Date: May 2013				
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition			P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types					Item Nomenclature: E21702 - CTG, ARTY, 105MM VL ILLUM M314 W/O FUZE				
Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†COMPLETE ROUND		2012	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2013	Feb 2015	9,021	1,000.00	Y		

UNCLASSIFIED

Exhibit P-21, Budget Production Schedule: PB Amended 2014 Army															Date: May 2013														
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition										P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types										Item Nomenclature: E21702 - CTG, ARTY, 105MM VL ILLUM M314 W/O FUZE									

Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2013														Fiscal Year 2014													
O C C O	M F R #	FY	SERVICE [±]	PROC QTY	ACCEP PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013														Calendar Year 2014													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			
COMPLETE ROUND																																		
	1	2012	ARMY	9.021	-	9.021	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.021	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			

UNCLASSIFIED

Exhibit P-21, Budget Production Schedule: PB Amended 2014 Army															Date: May 2013														
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition										P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types										Item Nomenclature: E21702 - CTG, ARTY, 105MM VL ILLUM M314 W/O FUZE									

Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2015										Fiscal Year 2016														
O C C O	M F R #	FY	SERVICE [±]	PROC QTY	ACCEP PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015										Calendar Year 2016														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
COMPLETE ROUND																															
	1	2012	ARMY	9.021	-	9.021	-	-	-	-	-	-	-	9.021															-		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Budget Production Schedule: PB Amended 2014 Army		Date: May 2013
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types	Item Nomenclature: E21702 - CTG, ARTY, 105MM VL ILLUM M314 W/O FUZE

MFR #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	TO BE SELECTED - TBS01	1.000	5.000	13.000	6	6	20	26	6	6	20	26

"A" in the Delivery Schedule indicated the Contract Award Date.

Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB Amended 2014 Army		Date: May 2013
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types	Item Nomenclature (Item Number - Item Name, DODIC): E21705 - CTG, ARTY, 105MM IR ILLUM M1064 W/O FUZE

Resource Summary	Prior Years	FY 2012	FY 2013[#]	FY 2014 Base	FY 2014 OCO^{##}	FY 2014 Total
Procurement Quantity (<i>Units in Each</i>)	-	2,615	4,033	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	9.328	3.862	5.767	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	9.328	3.862	5.767	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	9.328	3.862	5.767	-	-	-

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

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

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} This Budget Amendment, which includes Base and OCO funding for FY 2014, replaces the FY 2014 Base Budget Request only submission of April 2013

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$)	Quantity (Each)	Total Cost (\$ M)
Hardware Cost																			
Recurring Cost																			
† COMPLETE ROUND		-	-	-	1,048.20	2,615	2.741	1,048.20	4,033	4.227	-	-	-	-	-	-	-	-	-
<i>Total Recurring Cost</i>				-			2.741			4.227			-			-			-
<i>Total Hardware Cost</i>				-			2.741			4.227			-			-			-
Support Cost																			
PRODUCTION ENGINEERING		-	-	-	-	-	1.044	-	-	1.462	-	-	-	-	-	-	-	-	-
QUALITY ASSURANCE		-	-	-	-	-	0.007	-	-	0.008	-	-	-	-	-	-	-	-	-
ACCEPTANCE TESTING		-	-	-	-	-	0.070	-	-	0.070	-	-	-	-	-	-	-	-	-
FIRST ARTICLE TEST		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARTILLERY KEY CHARACTERISTICS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>				-			1.121			1.540			-			-			-
Gross Weapon System Cost				9.328			3.862			5.767			-			-			-

P-5 Remarks:

UNCLASSIFIED

Exhibit P-5A, Budget Procurement History and Planning: PB Amended 2014 Army										Date: May 2013		
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition				P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types					Item Nomenclature: E21705 - CTG, ARTY, 105MM IR ILLUM M1064 W/O FUZE			
Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†COMPLETE ROUND		2012	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2013	Nov 2014	2,615	1,048.20	Y		
†COMPLETE ROUND		2013	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2013	Nov 2014	4,033	1,048.20	Y		

UNCLASSIFIED

Exhibit P-21, Budget Production Schedule: PB Amended 2014 Army															Date: May 2013														
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition										P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types										Item Nomenclature: E21705 - CTG, ARTY, 105MM IR ILLUM M1064 W/O FUZE									

Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2013														Fiscal Year 2014																
O C C O	M F R #	FY	SERVICE [±]	PROC QTY	ACCEP PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013														Calendar Year 2014																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						
COMPLETE ROUND																																					
	1	2012	ARMY	2.615	-	2.615	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.615
	1	2013	ARMY	4.033	-	4.033	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.033
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						

UNCLASSIFIED

Exhibit P-21, Budget Production Schedule: PB Amended 2014 Army		Date: May 2013
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	P-1 Line Item Nomenclature: E15101 - Artillery Cartridges, 75MM & 105MM, All Types	Item Nomenclature: E21705 - CTG, ARTY, 105MM IR ILLUM M1064 W/O FUZE

MFR #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	TO BE SELECTED - TBS01	1.000	5.000	13.000	6	6	20	26	6	6	20	26

"A" in the Delivery Schedule indicated the Contract Award Date.
 Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).