

**UNCLASSIFIED**

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition	<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types
---	---

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

**MDAP/MAIS Code(s):**

Resource Summary	Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	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> )	8,583.006	65.205	112.380	121.551	-	121.551	128.883	135.256	135.254	132.207	-	9,413.742
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	8,583.006	65.205	112.380	121.551	-	121.551	128.883	135.256	135.254	132.207	-	9,413.742
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>8,583.006</b>	<b>65.205</b>	<b>112.380</b>	<b>121.551</b>	<b>-</b>	<b>121.551</b>	<b>128.883</b>	<b>135.256</b>	<b>135.254</b>	<b>132.207</b>	<b>-</b>	<b>9,413.742</b>

*(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> )	-	-	-	-	-	-	-	-	-	-	-	-

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

**Description:**

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

(E22125) The improved 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, APFSDS-T, 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.

(E22100) The M724A1 cartridge, 105mm Target Practice Discarding Sabot Tracer Cartridge (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 up to 2,000 meters with the APDS-T Cartridge M392A2. It is used as a training surrogate for all 105mm kinetic energy cartridges, including the M900. There is a tracer located in the base of the projectile. A plastic band circles the sabot at the forward end. A fiber rotating band and rubber obturating band are mounted toward the base of the sabot. The igniter tube of the electric primer extends almost the length of the propellant packed loosely in the cartridge case. This item is Code A, approved for service use.

(E73201) The 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 conical stabilizer, aluminum sabot, nylon obturators and tracer. The stabilizer 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.

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army</b>		<b>Date:</b> April 2013
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition		<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types

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

**MDAP/MAIS Code(s):**

(E73300) The 120mm M831A1 Target Practice-Tracer (TP-T) is a target practice round that simulates the ballistics of the chemical energy service round (M830). 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 spike aluminum body, ring, stabilizer, nylon obturator and tracer. The stabilizer spins the round in flight. Training with this round simulates the firing of the Army's high explosive anti-tank round in support of Army readiness objectives. This item is Code A, approved for service use.

(E73400) The 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 cannon on the M1A1/M1A2 Abrams tank. Training with this round simulates the firing of the Army's armor-defeating kinetic energy round in support of Army readiness objectives. This item is Code A, approved for service use.

(E88106) The 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 round fired from the M256 120mm smoothbore cannon mounted on the Abrams Main Battle 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 cartridge, but incorporates technology advancements to yield significant leap in performance over previous fielded cartridges.

Item Schedule		Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total				
Item Nomenclature*	Exhibits	ID CD	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 TANK 105MM TPDS-T M724A1	P40A	A	-	-	-	-	-	0.499	-	-	-	-	-	-	-	-	-	-	-	-	
CTG TANK 120MM TP-T M831/M831A1	P40A	A	-	-	-	-	-	2.794	-	-	2.876	-	-	2.856	-	-	-	-	-	2.856	
E22125 - CTG, TANK, 105MM TPDS-T M724A1E1(short rg KE trnr) (CA58)	P5, P5A, P21	B	-	-	-	-	-	-	-	-	-	-	1,747	6.314	-	-	-	-	-	1,747	6.314
E73201 - CTG, TANK, 120MM TGT PRACT - TRACER (TP-T), M1002 (CA31)	P5, P5A, P21	A	-	-	275.081	-	10,428	34.877	-	23,459	82.404	-	19,857	50.657	-	-	-	-	-	19,857	50.657
E73400 - CTG TANK 120MM TPCSDS-T M865 (C785)	P5	A	-	-	2,419.567	-	-	27.035	-	-	27.100	-	-	31.556	-	-	-	-	-	-	31.556
E88106 - CTG, TANK, 120MM APFSDS-T, M829E4 (CZ12)	P5, P5A, P21		-	-	-	-	-	-	-	-	-	-	2,501	30.168	-	-	-	-	-	2,501	30.168
<b>Total Gross/Weapon System Cost</b>					<b>8,583.006</b>			<b>65.205</b>			<b>112.380</b>			<b>121.551</b>			<b>-</b>			<b>121.551</b>	

\*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.

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Item Justification Sheet:</b> PB 2014 Army		<b>Date:</b> April 2013
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition		<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
<b>MDAP/MAIS Code(s):</b>		
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.

(E22125) M724A1E1 - This is a training unique item. The request supports annual training and builds a war reserve inventory in accordance with the Army procurement goals.

(E22100) The M724A1 - This is a training unique item. The FY 2014 request supports annual training and builds a war reserve inventory in accordance with the Army procurement goals. FY 2014 procurement dollars in the amount of \$6.314 million supports .002 million M724A1E1 cartridges.

(E73201) M1002 (TPMP-T) - This is a training unique item. The FY 2014 request supports annual training and builds a war reserve inventory in accordance with the Army procurement goals. FY 2014 procurement dollars in the amount of \$50.657 million supports .020 million M1002 cartridges.

(E73300) M831A1 (TP-T) - This is a training unique item. The FY 2014 request supports annual training and provides a safer round by incorporating safety initiatives such as a safer propellant and inner skive joint ring to prevent case separation. FY 2014 procurement dollars in the amount of \$2.856 million supports recapitalizing .005 million M831A1 cartridges.

(E73400) M865 (TPCSDS-T) - This is a training unique item. The FY 2014 request supports annual training and provides a safer round by incorporating safety initiatives such as a safer propellant and case. FY 2014 procurement dollars in the amount of \$31.556 million supports recapitalizing .052 million M865 cartridges.

(E88106) M829E4 (APFSDS-T) - This is a war reserve item. The FY 2014 request supports annual training and builds a war reserve inventory in accordance with the Army procurement goals. FY 2014 procurement dollars in the amount of \$30.168 million supports .003 million M829E4 cartridges.

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2014 Army</b>		<b>Date:</b> April 2013
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition	<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types	<b>Item Nomenclature (Item Number - Item Name, DODIC):</b> E22125 - CTG, TANK, 105MM TPDS-T M724A1E1(short rg KE trnr) (CA58)

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2012</b>	<b>FY 2013<sup>#</sup></b>	<b>FY 2014 Base</b>	<b>FY 2014 OCO<sup>##</sup></b>	<b>FY 2014 Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	1,747	-	1,747
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	-	-	6.314	-	6.314
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	-	-	-	6.314	-	6.314
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	-	-	<b>6.314</b>	-	<b>6.314</b>

*(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> )	-	-	-	-	-	-

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

<b>Cost Elements</b> († indicates the presence of a P-5A)	<b>ID CD</b>	<b>All Prior Years</b>			<b>FY 2012</b>			<b>FY 2013</b>			<b>FY 2014 Base</b>			<b>FY 2014 OCO</b>			<b>FY 2014 Total</b>		
		<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>
Hardware Cost																			
Recurring Cost																			
† COMPLETE ROUND		-	-	-	-	-	-	-	-	2,865.00	1,747	5.005	-	-	-	2,865.00	1,747	5.005	
<i>Total Recurring Cost</i>				-								5.005			-			5.005	
<i>Total Hardware Cost</i>				-								5.005			-			5.005	
Support Cost																			
PRODUCTION ENGINEERING		-	-	-	-	-	-	-	-	-	-	1.149	-	-	-	-	-	1.149	
ACCEPTANCE TESTING		-	-	-	-	-	-	-	-	-	-	0.060	-	-	-	-	-	0.060	
FIRST ARTICLE TEST		-	-	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100	
<i>Total Support Cost</i>				-								1.309			-			1.309	
<b>Gross Weapon System Cost</b>				-								<b>6.314</b>			-			<b>6.314</b>	

**P-5 Remarks:**

**UNCLASSIFIED**

<b>Exhibit P-5A, Budget Procurement History and Planning:</b> PB 2014 Army										<b>Date:</b> April 2013		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition				<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types				<b>Item Nomenclature:</b> E22125 - CTG, TANK, 105MM TPDS-T M724A1E1(short rg KE trnr) (CA58)				
<b>Cost Elements</b> <small>(† indicates the presence of a P-21)</small>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type, or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty</b> <small>(Each)</small>	<b>Unit Cost</b> <small>(\$)</small>	<b>Specs Avail Now?</b>	<b>Date Revsn Avail</b>	<b>RFP Issue Date</b>
†COMPLETE ROUND		2014	TO BE SELECTED / TBS01	C / FFP	PICATINNY ARSENAL, NJ	Mar 2014	Mar 2016	1,747	2,865.00	N		
<b>Remarks:</b> This is a training unique item not used in combat. FY 2014 procurement supports annual training and builds a depot level in accordance with the Army's procurement goals.												

**UNCLASSIFIED**

<b>Exhibit P-21, Budget Production Schedule: PB 2014 Army</b>																									<b>Date:</b> April 2013										
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition										<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types										<b>Item Nomenclature:</b> E22125 - CTG, TANK, 105MM TPDS-T M724A1E1(short rg KE trnr) (CA58)															
Cost Elements <i>(Units in Each)</i>								Fiscal Year 2014										Fiscal Year 2015																	
O C C O	M F R #	FY	SERVICE±	PROC QTY	ACCEP PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014										Calendar Year 2015																		
							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	2014	ARMY	1,747	-	1,747	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,747
							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**

<b>Exhibit P-21, Budget Production Schedule:</b> PB 2014 Army															<b>Date:</b> April 2013														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition										<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types										<b>Item Nomenclature:</b> E22125 - CTG, TANK, 105MM TPDS-T M724A1E1(short rg KE trnr) (CA58)									

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2016										Fiscal Year 2017														
O C C O	M F R #	FY	SERVICE <sup>±</sup>	PROC QTY	ACCEP PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016										Calendar Year 2017														
							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	2014	ARMY	1,747	-	1,747	-	-	-	-	-	1,000	-	-	747														-		
							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**

<b>Exhibit P-21, Budget Production Schedule:</b> PB 2014 Army		<b>Date:</b> April 2013
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition	<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types	<b>Item Nomenclature:</b> E22125 - CTG, TANK, 105MM TPDS-T M724A1E1(short rg KE trnr) (CA58)

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	500.00	2,000.00	3,000.00	3	6	18	24	3	6	12	18

"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**

<b>Exhibit P-5, Cost Analysis: PB 2014 Army</b>		<b>Date:</b> April 2013
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition	<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types	<b>Item Nomenclature (Item Number - Item Name, DODIC):</b> E73201 - CTG, TANK, 120MM TGT PRACT - TRACER (TP-T), M1002 (CA31)

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2012</b>	<b>FY 2013<sup>#</sup></b>	<b>FY 2014 Base</b>	<b>FY 2014 OCO<sup>##</sup></b>	<b>FY 2014 Total</b>
Procurement Quantity (Units in Each)	-	10,428	23,459	19,857	-	19,857
Gross/Weapon System Cost (\$ in Millions)	275.081	34.877	82.404	50.657	-	50.657
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	275.081	34.877	82.404	50.657	-	50.657
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>275.081</b>	<b>34.877</b>	<b>82.404</b>	<b>50.657</b>	<b>-</b>	<b>50.657</b>

*(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)	-	-	-	-	-	-

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

<b>Cost Elements</b> († indicates the presence of a P-5A)	<b>ID CD</b>	<b>All Prior Years</b>			<b>FY 2012</b>			<b>FY 2013</b>			<b>FY 2014 Base</b>			<b>FY 2014 OCO</b>			<b>FY 2014 Total</b>		
		<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>
Hardware Cost																			
Recurring Cost																			
† COMPLETE ROUND		-	-	-	2,115.82	10,428	22.064	3,266.00	23,459	76.617	2,322.19	19,857	46.112	-	-	-	2,322.19	19,857	46.112
<i>Total Recurring Cost</i>				-			22.064			76.617			46.112			-			46.112
<i>Total Hardware Cost</i>				-			22.064			76.617			46.112			-			46.112
Support Cost																			
PRODUCTION ENGINEERING		-	-	-	-	-	4.492	-	-	5.360	-	-	4.080	-	-	-	-	-	4.080
QUALITY ASSURANCE		-	-	-	-	-	0.013	-	-	0.007	-	-	0.020	-	-	-	-	-	0.020
ACCEPTANCE TESTING		-	-	-	-	-	0.527	-	-	0.420	-	-	0.445	-	-	-	-	-	0.445
FIRST ARTICLE TEST		-	-	-	-	-	1.513	-	-	-	-	-	-	-	-	-	-	-	-
ENGINEERING CHANGE PROPOSAL		-	-	-	-	-	0.855	-	-	-	-	-	-	-	-	-	-	-	-
AMERICAN ORDNANCE REOPENER		-	-	-	-	-	0.520	-	-	-	-	-	-	-	-	-	-	-	-
SAFETY IMPROVEMENTS		-	-	-	-	-	2.112	-	-	-	-	-	-	-	-	-	-	-	-
PRODUCIBILITY STUDY		-	-	-	-	-	0.091	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2014 Army		<b>Date:</b> April 2013
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition		<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types
		<b>Item Nomenclature (Item Number - Item Name, DODIC):</b> E73201 - CTG, TANK, 120MM TGT PRACT - TRACER (TP-T), M1002 (CA31)

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)
PROPELLANT ECP (RPD 596)		-	-	-	-	-	1.875	-	-	-	-	-	-	-	-	-	-	-	-
M14 REPLACEMENT PROPELLANT		-	-	-	-	-	0.815	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>				-			12.813			5.787			4.545			-			4.545
<b>Gross Weapon System Cost</b>				275.081			34.877			82.404			50.657			-			50.657

**P-5 Remarks:**

**UNCLASSIFIED**

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition	<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types	<b>Item Nomenclature:</b> E73201 - CTG, TANK, 120MM TGT PRACT - TRACER (TP-T), M1002 (CA31)
--	---	--

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		2012	ALLIANT TECHSYSTEMS INC. / PLYMOUTH, MN	SS / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Mar 2014	5,214	2,115.82	Y		
†COMPLETE ROUND		2012	GENERAL DYNAMICS ORD AND TACT / ST PETERSBURG, FL	SS / FFP	ROCK ISLAND ARSENAL, IL	Mar 2012	Jul 2013	5,214	2,115.82	Y		
†COMPLETE ROUND		2013	ALLIANT TECHSYSTEMS INC. / PLYMOUTH, MN	SS / FFP	ROCK ISLAND ARSENAL, IL	Jan 2013	Dec 2013	11,729	3,266.00	Y		
†COMPLETE ROUND		2013	GENERAL DYNAMICS ORD AND TACT / ST PETERSBURG, FL	SS / FFP	ROCK ISLAND ARSENAL, IL	Jan 2013	Dec 2013	11,730	3,266.00	Y		
†COMPLETE ROUND		2014	ALLIANT TECHSYSTEMS INC. / PLYMOUTH, MN	SS / FFP	ROCK ISLAND ARSENAL, IL	Jan 2014	Dec 2014	9,928	2,322.19	Y		
†COMPLETE ROUND		2014	GENERAL DYNAMICS ORD AND TACT / ST PETERSBURG, FL	SS / FFP	ROCK ISLAND ARSENAL, IL	Jan 2014	Dec 2014	9,929	2,322.19	Y		

**Remarks:**  
 FY 2012 - 2014 hardware unit price is an average unit price for multiple producers. SS/FFP FY 2013 - 2014 will be awarded as options to FY12 contract.

**UNCLASSIFIED**

<b>Exhibit P-21, Budget Production Schedule: PB 2014 Army</b>		<b>Date:</b> April 2013
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition		<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types
		<b>Item Nomenclature:</b> E73201 - CTG, TANK, 120MM TGT PRACT - TRACER (TP-T), M1002 (CA31)

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2012												Fiscal Year 2013																
O C C O	M F R #	FY	SERVICE <sup>±</sup>	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			
COMPLETE ROUND																																		
1	2012	2012	ARMY	5,214	-	5,214	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,214	
1	2012	2012	♦ MC	3,367	-	3,367	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,747	-	-	1,620
2	2012	2012	ARMY	5,214	-	5,214	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,214	-	-	-
2	2012	2012	♦ MC	3,367	-	3,367	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,587	-	-	780
1	2012	2012	<b>TOTAL</b>	<b>8,581</b>	-	<b>8,581</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>1,747</b>	-	-	<b>6,834</b>	
1	2013	2013	ARMY <sup>(I)</sup>	11,729	-	11,729	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11,729	
2	2013	2013	ARMY <sup>(III)</sup>	11,730	-	11,730	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11,730	
1	2013	2013	<b>TOTAL</b>	<b>11,729</b>	-	<b>11,729</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>11,729</b>	
1	2014	2014	ARMY <sup>(II)</sup>	9,928	-	9,928	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,928	
2	2014	2014	ARMY <sup>(IV)</sup>	9,929	-	9,929	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,929	
1	2014	2014	<b>TOTAL</b>	<b>9,928</b>	-	<b>9,928</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>9,928</b>	
							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**

<b>Exhibit P-21, Budget Production Schedule:</b> PB 2014 Army															<b>Date:</b> April 2013									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition										<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types										<b>Item Nomenclature:</b> E73201 - CTG, TANK, 120MM TGT PRACT - TRACER (TP-T), M1002 (CA31)				

Cost Elements (Units in Each)						Fiscal Year 2014													Fiscal Year 2015																				
O C C O	M F R #	FY	SERVICE±	PROC QTY	ACCEP PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014													Calendar Year 2015																			
							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								
<b>COMPLETE ROUND</b>																																							
1	2012	ARMY	5,214	-	5,214	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1	2012	+ MC	3,367	1,747	1,620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
2	2012	ARMY	5,214	5,214	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2	2012	+ MC	3,367	2,587	780	-	-	780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1	2012	<b>TOTAL</b>	<b>8,581</b>	<b>1,747</b>	<b>6,834</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1	2013	ARMY <sup>(I)</sup>	11,729	-	11,729	-	-	983	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977
2	2013	ARMY <sup>(III)</sup>	11,730	-	11,730	-	-	983	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977
1	2013	<b>TOTAL</b>	<b>11,729</b>	-	<b>11,729</b>	-	-	<b>983</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	<b>977</b>	
1	2014	ARMY <sup>(II)</sup>	9,928	-	9,928	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	2014	ARMY <sup>(IV)</sup>	9,929	-	9,929	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1	2014	<b>TOTAL</b>	<b>9,928</b>	-	<b>9,928</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
								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**

<b>Exhibit P-21, Budget Production Schedule:</b> PB 2014 Army	Date: April 2013
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition	<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types
<b>Item Nomenclature:</b> E73201 - CTG, TANK, 120MM TGT PRACT - TRACER (TP-T), M1002 (CA31)	

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016													Fiscal Year 2017													
O C C O	M F R #	F Y	S E R V I C E <sup>‡</sup>	P R O C Q T Y	A C C E P T O 1 O C T 2 0 1 5	B A L D U E A S O F 1 O C T	Calendar Year 2016													Calendar Year 2017												
							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	5,214	5,214	-																							-			
	1	2012	* MC	3,367	3,367	-																							-			
	2	2012	ARMY	5,214	5,214	-																							-			
	2	2012	* MC	3,367	3,367	-																							-			
	1	2012	<b>TOTAL</b>	<b>8,581</b>	<b>8,581</b>	-																							-			
	1	2013	ARMY <sup>(I)</sup>	11,729	11,729	-																							-			
	2	2013	ARMY <sup>(III)</sup>	11,730	11,730	-																							-			
	1	2013	<b>TOTAL</b>	<b>11,729</b>	<b>11,729</b>	-																							-			
	1	2014	ARMY <sup>(II)</sup>	9,928	8,275	1,653	827	826																					-			
	2	2014	ARMY <sup>(IV)</sup>	9,929	8,275	1,654	827	827																					-			
	1	2014	<b>TOTAL</b>	<b>9,928</b>	<b>8,275</b>	<b>1,653</b>	<b>827</b>	<b>826</b>																					-			
							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**

<b>Exhibit P-21, Budget Production Schedule:</b> PB 2014 Army		<b>Date:</b> April 2013
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition	<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types	<b>Item Nomenclature:</b> E73201 - CTG, TANK, 120MM TGT PRACT - TRACER (TP-T), M1002 (CA31)

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	ALLIANT TECHSYSTEMS INC. - PLYMOUTH, MN	500.00	11,000.00	33,000.00	6	4	11	15	6	4	11	15
2	GENERAL DYNAMICS ORD AND TACT - ST PETERSBURG, FL	500.00	11,000.00	33,000.00	6	4	11	15	6	4	11	15

**Remarks:**  
M1002 & M865 LINE SHARE AT IOWA AAP.  
‡ Delivery rows marked with the † symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.  
"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).  
**Service/Agency Suffixes:**  
(I) 0  
(II) 0  
(III) 0  
(IV) 0

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2014 Army</b>		<b>Date:</b> April 2013
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition	<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types	<b>Item Nomenclature (Item Number - Item Name, DODIC):</b> E73400 - CTG TANK 120MM TPCSDS-T M865 (C785)

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2012</b>	<b>FY 2013<sup>#</sup></b>	<b>FY 2014 Base</b>	<b>FY 2014 OCO<sup>##</sup></b>	<b>FY 2014 Total</b>
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2,419.567	27.035	27.100	31.556	-	31.556
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2,419.567	27.035	27.100	31.556	-	31.556
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>2,419.567</b>	<b>27.035</b>	<b>27.100</b>	<b>31.556</b>	<b>-</b>	<b>31.556</b>

*(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)	-	-	-	-	-	-

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

<b>Cost Elements</b> († indicates the presence of a P-5A)	<b>ID CD</b>	<b>All Prior Years</b>			<b>FY 2012</b>			<b>FY 2013</b>			<b>FY 2014 Base</b>			<b>FY 2014 OCO</b>			<b>FY 2014 Total</b>		
		<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>
Hardware Cost																			
Recurring Cost																			
COMPLETE ROUND		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost																			
Total Hardware Cost																			
Support Cost																			
PRODUCTION ENGINEERING		-	-	-	-	-	2.877	-	-	1.084	-	-	1.262	-	-	-	-	-	1.262
QUALITY ASSURANCE		-	-	-	-	-	0.016	-	-	-	-	-	-	-	-	-	-	-	-
ACCEPTANCE TESTING		-	-	-	-	-	0.328	-	-	-	-	-	-	-	-	-	-	-	-
FIRST ARTICLE TEST		-	-	-	-	-	0.736	-	-	-	-	-	-	-	-	-	-	-	-
NON-RECURRING ENGINEERING		-	-	-	-	-	0.957	-	-	1.228	-	-	-	-	-	-	-	-	-
RECAPITALIZATION-M865		-	-	-	-	-	21.113	-	-	24.788	-	-	29.849	-	-	-	-	-	29.849
SAFETY IMPROVEMENTS		-	-	-	-	-	0.745	-	-	-	-	-	-	-	-	-	-	-	-
AMERICAN ORDNANCE REOPENER		-	-	-	-	-	0.264	-	-	-	-	-	-	-	-	-	-	-	-
ACCEPTANCE TESTING		-	-	-	-	-	-	-	-	-	-	0.445	-	-	-	-	-	-	0.445



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2014 Army												<b>Date:</b> April 2013					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition						<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types						<b>Item Nomenclature (Item Number - Item Name, DODIC):</b> E73400 - CTG TANK 120MM TPCSDS-T M865 (C785)					

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)
Total Support Cost				-			27.036			27.100			31.556			-			31.556
Gross Weapon System Cost				2,419.567			27.035			27.100			31.556			-			31.556

P-5 Remarks:

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2014 Army</b>		<b>Date:</b> April 2013
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition	<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types	<b>Item Nomenclature (Item Number - Item Name, DODIC):</b> E88106 - CTG, TANK, 120MM APFSDS-T, M829E4 (CZ12)

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2012</b>	<b>FY 2013<sup>#</sup></b>	<b>FY 2014 Base</b>	<b>FY 2014 OCO<sup>##</sup></b>	<b>FY 2014 Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	2,501	-	2,501
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	-	-	30.168	-	30.168
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	-	-	-	30.168	-	30.168
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	-	-	<b>30.168</b>	-	<b>30.168</b>

*(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> )	-	-	-	-	-	-

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

<b>Cost Elements</b> († indicates the presence of a P-5A)	<b>ID CD</b>	<b>All Prior Years</b>			<b>FY 2012</b>			<b>FY 2013</b>			<b>FY 2014 Base</b>			<b>FY 2014 OCO</b>			<b>FY 2014 Total</b>		
		<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>
Hardware Cost																			
Recurring Cost																			
† COMPLETE ROUND		-	-	-	-	-	-	-	-	10,100.00	2,501	25.260	-	-	-	10,100.00	2,501	25.260	
<i>Total Recurring Cost</i>				-								25.260			-			25.260	
<i>Total Hardware Cost</i>				-								25.260			-			25.260	
Support Cost																			
PRODUCTION ENGINEERING		-	-	-	-	-	-	-	-	-	-	3.197	-	-	-	-	-	3.197	
ACCEPTANCE TESTING		-	-	-	-	-	-	-	-	-	-	0.250	-	-	-	-	-	0.250	
FIRST ARTICLE TEST		-	-	-	-	-	-	-	-	-	-	1.461	-	-	-	-	-	1.461	
<i>Total Support Cost</i>				-								4.908			-			4.908	
<b>Gross Weapon System Cost</b>				-								<b>30.168</b>			-			<b>30.168</b>	

**P-5 Remarks:**

**UNCLASSIFIED**

<b>Exhibit P-5A, Budget Procurement History and Planning:</b> PB 2014 Army										<b>Date:</b> April 2013		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition				<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types				<b>Item Nomenclature:</b> E88106 - CTG, TANK, 120MM APFSDS-T, M829E4 (CZ12)				
<b>Cost Elements</b> <small>(† indicates the presence of a P-21)</small>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type, or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty</b> <i>(Each)</i>	<b>Unit Cost</b> <i>(\$)</i>	<b>Specs Avail Now?</b>	<b>Date Revsn Avail</b>	<b>RFP Issue Date</b>
†COMPLETE ROUND		2014	ALLIANT TECHSYSTEMS INC. / PLYMOUTH, MN	SS / FFP	PICATINNY ARSENAL, NJ	Apr 2014	Jul 2015	2,501	10,100.00	N		

**Remarks:**

This is a War Reserve item used in Combat. The FY 2014 request builds a war reserve inventory in accordance with the Army procurement goals.

**UNCLASSIFIED**

<b>Exhibit P-21, Budget Production Schedule:</b> PB 2014 Army															<b>Date:</b> April 2013														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition										<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types										<b>Item Nomenclature:</b> E88106 - CTG, TANK, 120MM APFSDS-T, M829E4 (CZ12)									

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2014														Fiscal Year 2015													
O C C O	M F R #	FY	SERVICE <sup>±</sup>	PROC QTY	ACCEP PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014														Calendar Year 2015													
							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	2014	ARMY	2,501	-	2,501	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	208	208	208	1,877

O C C O	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**

<b>Exhibit P-21, Budget Production Schedule:</b> PB 2014 Army		<b>Date:</b> April 2013
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition	<b>P-1 Line Item Nomenclature:</b> E22203 - Cartridges, Tank, 105MM And 120MM, All Types	<b>Item Nomenclature:</b> E88106 - CTG, TANK, 120MM APFSDS-T, M829E4 (CZ12)

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	ALLIANT TECHSYSTEMS INC. - PLYMOUTH, MN	1,000.00	3,000.00	5,000.00	6	9	15	24	6	6	14	20

"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).