

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2017 Army **Date:** February 2016

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

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

Line Item MDAP/MAIS Code: N/A	Item MDAP/MAIS Code(s): N/A
--------------------------------------	------------------------------------

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	3,524.940	101.900	105.541	120.668	8.999	129.667	122.385	147.928	239.751	256.954	-	4,629.066
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	3,524.940	101.900	105.541	120.668	8.999	129.667	122.385	147.928	239.751	256.954	-	4,629.066
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	3,524.940	101.900	105.541	120.668	8.999	129.667	122.385	147.928	239.751	256.954	-	4,629.066

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

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

Description:

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

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

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

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

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

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition		P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A	Item MDAP/MAIS Code(s): N/A	
<p>precision copper liner. The fuze is armed during launch and initiated by an impact switch or proximity sensor, depending upon the operational mode selected by the ammo loader. This item is Code A, approved for service use.</p> <p>(E88106) 120mm M829E4 Armor Piercing Fin Stabilized, Discarding Sabot with Tracer (APFSDS-T) cartridge is the follow on to the M829A3 APFSDS-T cartridge. The M829E4 is the most effective anti-armor kinetic energy cartridge fired from the M256 120mm smoothbore cannon on the M1A1/M1A2 Abrams Tank. This cartridge has been designed to defeat advances in armor protection, specifically advancement in explosive reactive armor (ERA). The cartridge incorporates advancements in propulsion, using a temperature insensitive propellant, novel penetrator design, and an advanced composite sabot. The projectile system consists of a depleted uranium penetrator mated to a drag reducing windshield and flight stabilizing multi-bladed fin, all secured for launch with a composite sabot. The M829E4 captures several new technologies along with components previously used on previous APFSDS-T cartridges, but incorporates technology advancements to yield significant improvement in performance over previous fielded cartridges. This item is Code A, approved for service use.</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2017 Army **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity:
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition

P-1 Line Item Number / Title:
E22203 / Cartridges, Tank, 105MM And 120MM, All Types

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

Line Item MDAP/MAIS Code: N/A **Item MDAP/MAIS Code(s):** N/A

Exhibits Schedule				Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E22125 / CTG, TANK, 105MM TPDS-T M724A1E1(short rg KE trnr) [CA58]	P-5a, P-21	A	912 / 7.024	1,729 / 6.103	1,292 / 5.800	1,438 / 5.900	- / -	1,438 / 5.900
P-5	E73201 / CTG, TANK, 120MM M1002 TP MULTI PUR-TRACE (TPMP-T) [CA31]	P-5a, P-21	A	173,652 / 360.355	6,632 / 26.647	4,880 / 32.500	4,880 / 38.328	- / -	4,880 / 38.328
P-5	E73400 / CTG TANK 120MM TPCSDS-T M865 [C785]		A	3,649,000 / 2,591.626	- / 27.915	- / 28.263	- / 31.900	- / -	- / 31.900
P-5	E78007 / CTG, TANK, 120MM HEAT-MP-T M830A1			- / 565.934	- / -	- / -	- / -	- / 8.999	- / 8.999
P-5	E88106 / CTG, TANK, 120MM APFSDS-T, M829A4 [CA64]	P-5a, P-21	A	- / -	4,690 / 41.235	3,673 / 38.978	3,410 / 44.540	- / -	3,410 / 44.540
P-40	Total Gross/Weapon System Cost			- / 3,524.940	- / 101.900	- / 105.541	- / 120.668	- / 8.999	- / 129.667

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

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

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

FY 2017 Base procurement dollars in the amount of \$120.668 million supports the procurement of .015 million cartridges.

(E22125) M724A1E1 – This is a training unique item not used in combat. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$5.900 million supports the procurement of .001 million M724A1E1 cartridges.

TYPE CLASSIFICATION DATE: 2014

(E73201) M1002 (TPMP-T) - This is a training unique item not used in combat. The FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$38.328 million supports the procurement of .005 million M1002 cartridges.

TYPE CLASSIFICATION DATE: 2006

(E73400) M865 (TPCSDS-T) - This is a training unique item not used in combat. FY 2017 request supports annual training and builds a depot level in accordance with the Army's procurement goals. The FY 2017 request provides a safer round by incorporating safety initiatives such as a safer case. FY 2017 Base procurement dollars in the amount of \$31.900 million supports recapitalizing M865 cartridges.

TYPE CLASSIFICATION DATE: 1984

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition		P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A	Item MDAP/MAIS Code(s): N/A	
<p>(E78007) M830A1 - This is a war reserve item used in combat. The FY 2017 request builds a war reserve inventory in accordance with the Army's procurement goals. The FY 2017 OCO includes \$8.999 million to support the COCOM requirement for unit equipment sets to deter potential adversaries and support the European Reassurance Initiatives. FY 2017 OCO dollars in the amount of \$8.999 million supports recapitalizing M830A1 cartridges.</p> <p>TYPE CLASSIFICATION DATE: 1993</p> <p>(E88106) M829E4 (APFSDS-T) - This is a war reserve item used in combat. The FY 2017 request builds a war reserve inventory in accordance with the Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$44.540 million supports .003 million M829E4 cartridges.</p> <p>TYPE CLASSIFICATION DATE: 2014</p>		

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35	P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types	Item Number / Title [DODIC]: E22125 / CTG, TANK, 105MM TPDS-T M724A1E1(short rg KE trnr) [CA58]

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity (Units in Each)	912	1,729	1,292	1,438	-	1,438
Gross/Weapon System Cost (\$ in Millions)	7.024	6.103	5.800	5.900	-	5.900
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	7.024	6.103	5.800	5.900	-	5.900
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	7.024	6.103	5.800	5.900	-	5.900

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	7,701.75	3,529.79	4,489.16	4,102.92	-	4,102.92

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
COMPLETE ROUND ^(†)	6,234.00	912	5.685	2,436.00	1,729	4.212	2,875.48	1,292	3.715	2,513.00	1,438	3.614	-	-	-	2,513.00	1,438	3.614
Subtotal: Recurring Cost	-	-	5.685	-	-	4.212	-	-	3.715	-	-	3.614	-	-	-	-	-	3.614
Subtotal: Hardware Cost	-	-	5.685	-	-	4.212	-	-	3.715	-	-	3.614	-	-	-	-	-	3.614
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	0.060	-	-	-	-	-	0.060	-	-	0.060	-	-	-	-	-	0.060
First Article Test	-	-	0.132	-	-	-	-	-	0.103	-	-	0.108	-	-	-	-	-	0.108
Subtotal: Support - Acceptance Testing Cost	-	-	0.192	-	-	-	-	-	0.163	-	-	0.168	-	-	-	-	-	0.168
Support - Product Improvement Cost																		
Production Verification Test	-	-	-	-	-	-	-	-	0.250	-	-	0.253	-	-	-	-	-	0.253
Subtotal: Support - Product Improvement Cost	-	-	-	-	-	-	-	-	0.250	-	-	0.253	-	-	-	-	-	0.253
Support - Production Engineering Cost																		
Production Engineering	-	-	1.147	-	-	1.656	-	-	1.672	-	-	1.865	-	-	-	-	-	1.865
Subtotal: Support - Production Engineering Cost	-	-	1.147	-	-	1.656	-	-	1.672	-	-	1.865	-	-	-	-	-	1.865
Support - Study & Analysis Cost																		
Study & Analysis	-	-	-	-	-	0.235	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35	P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types	Item Number / Title [DODIC]: E22125 / CTG, TANK, 105MM TPDS-T M724A1E1(short rg KE trnr) [CA58]
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Support - Study & Analysis Cost</i>	-	-	-	-	-	0.235	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	7,701.75	912	7.024	3,529.79	1,729	6.103	4,489.16	1,292	5.800	4,102.92	1,438	5.900	-	-	-	4,102.92	1,438	5.900

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2017 Army								Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35			P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types					Item Number / Title [DODIC]: E22125 / CTG, TANK, 105MM TPDS-T M724A1E1(short rg KE trnr) [CA58]				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND ^(†)		2015	ALLIANT TECHSYS ARMAMENT SYS / PLYMOUTH, MN	C / FFP	PICATINNY ARSENAL, NJ	Sep 2015	Sep 2016	1,729	2,436.00	Y		
COMPLETE ROUND ^(†)		2016	ALLIANT TECHSYS ARMAMENT SYS / PLYMOUTH, MN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2016	Mar 2017	1,292	2,875.48	Y		
COMPLETE ROUND ^(†)		2017	ALLIANT TECHSYS ARMAMENT SYS / PLYMOUTH, MN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2017	Mar 2018	1,438	2,513.00	Y		

^(†) indicates the presence of a P-21

Remarks:
FY 2015, FY 2016, and FY 2017 are an option to an existing contract awarded in FY 2014.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2017 Army								Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35				P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types				Item Number / Title [DODIC]: E22125 / CTG, TANK, 105MM TPDS-T M724A1E1(short rg KE trnr) [CA58]				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2017	1-8-5 For 2017	MAX For 2017	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	ALLIANT TECHSYS ARMAMENT SYS - PLYMOUTH, MN	1,000	2,000	3,000	7	11	12	23	6	6	12	18

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

Note: 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 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35	P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types	Item Number / Title [DODIC]: E73201 / CTG, TANK, 120MM M1002 TP MULTI PUR-TRACE (TPMP-T) [CA31]

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity (Units in Each)	173,652	6,632	4,880	4,880	-	4,880
Gross/Weapon System Cost (\$ in Millions)	360.355	26.647	32.500	38.328	-	38.328
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	360.355	26.647	32.500	38.328	-	38.328
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	360.355	26.647	32.500	38.328	-	38.328

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	2,075.16	4,017.94	6,659.84	7,854.10	-	7,854.10

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
COMPLETE ROUND ^(†)	-	-	360.355	2,805.00	6,632	18.603	2,896.06	4,880	14.133	2,993.00	4,880	14.606	-	-	-	2,993.00	4,880	14.606
<i>Subtotal: Recurring Cost</i>	-	-	360.355	-	-	18.603	-	-	14.133	-	-	14.606	-	-	-	-	-	14.606
<i>Subtotal: Hardware Cost</i>	-	-	360.355	-	-	18.603	-	-	14.133	-	-	14.606	-	-	-	-	-	14.606
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	-	-	-	0.842	-	-	0.873	-	-	0.621	-	-	-	-	-	0.621
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	0.842	-	-	0.873	-	-	0.621	-	-	-	-	-	0.621
Support - Product Improvement Cost																		
Safety	-	-	-	-	-	4.073	-	-	2.910	-	-	2.593	-	-	-	-	-	2.593
Reliability	-	-	-	-	-	-	-	-	0.893	-	-	1.209	-	-	-	-	-	1.209
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	-	-	-	4.073	-	-	3.803	-	-	3.802	-	-	-	-	-	3.802
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	3.121	-	-	3.251	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	3.121	-	-	3.251	-	-	-	-	-	-	-	-	-
Support - Quality Assurance Cost																		
Quality Assurance	-	-	-	-	-	0.008	-	-	0.008	-	-	0.008	-	-	-	-	-	0.008

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35		P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:
Item Number / Title [DODIC]: E73201 / CTG, TANK, 120MM M1002 TP MULTI PUR-TRACE (TPMP-T) [CA31]		

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	-	-	-	0.008	-	-	0.008	-	-	0.008	-	-	-	-	-	0.008
Support - Recapitalization Cost																		
Recapitalization	-	-	-	-	-	-	-	-	10.432	-	-	19.291	-	-	-	-	-	19.291
<i>Subtotal: Support - Recapitalization Cost</i>	-	-	-	-	-	-	-	-	10.432	-	-	19.291	-	-	-	-	-	19.291
Gross/Weapon System Cost	2,075.16	173,652	360.355	4,017.94	6,632	26.647	6,659.84	4,880	32.500	7,854.10	4,880	38.328	-	-	-	7,854.10	4,880	38.328

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2017 Army							Date: February 2016					
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35			P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types				Item Number / Title [DODIC]: E73201 / CTG, TANK, 120MM M1002 TP MULTI PUR-TRACE (TPMP-T) [CA31]					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND ^(†)		2015	GENERAL DYNAMICS ORD AND TACT / ST PETERSBURG, FL	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2015	Mar 2017	3,316	2,805.00	Y		
COMPLETE ROUND ^(†)		2015	ALLIANT TECHSYS ARMAMENT SYS / PLYMOUTH, MN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2015	Sep 2016	3,316	2,805.00	Y		
COMPLETE ROUND ^(†)		2016	GENERAL DYNAMICS ORD AND TACT / ST PETERSBURG, FL	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2016	Feb 2017	2,440	2,896.06	Y		
COMPLETE ROUND ^(†)		2016	ALLIANT TECHSYS ARMAMENT SYS / PLYMOUTH, MN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2016	Feb 2017	2,440	2,896.06	Y		
COMPLETE ROUND ^(†)		2017	TO BE SELECTED / TBS02	TBD	ROCK ISLAND ARSENAL, IL	Mar 2017	Feb 2018	2,440	2,993.00	Y		
COMPLETE ROUND ^(†)		2017	TO BE SELECTED / TBS01	TBD	ROCK ISLAND ARSENAL, IL	Mar 2017	Feb 2018	2,440	2,993.00	Y		

^(†) indicates the presence of a P-21

Remarks:
FY 2015 and FY 2016 hardware unit prices are an average unit price for multiple producers. FY 2015 and FY 2016 complete round is awarded as an option to the FY 2012 contract.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2017 Army															Date: February 2016														
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35										P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types										Item Number / Title [DODIC]: E73201 / CTG, TANK, 120MM M1002 TP MULTI PUR-TRACE (TPMP-T) [CA31]									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2017														Fiscal Year 2018														BALANCE		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017														Calendar Year 2018														
							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					
COMPLETE ROUND																																			
	1	2015	ARMY	3,316	-	3,316	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	1	2015	MC (†)	513	-	513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	1	2015	Total	3,829	-	3,829	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	2	2015	ARMY	3,316	856	2,460	2,460	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	2	2015	MC (†)	513	-	513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	2	2015	Total	3,829	856	2,973	2,460	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	1	2016	ARMY	2,440	-	2,440	-	-	-	-	-	207	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203					
	2	2016	ARMY	2,440	-	2,440	-	-	-	-	-	207	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203					
	3	2017	ARMY	2,440	-	2,440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	207	203	203	203	203				
	4	2017	ARMY	2,440	-	2,440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	207	203	203	203	203				

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35		P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types
		Item Number / Title [DODIC]: E73201 / CTG, TANK, 120MM M1002 TP MULTI PUR-TRACE (TPMP-T) [CA31]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2017	1-8-5 For 2017	MAX For 2017	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	GENERAL DYNAMICS ORD AND TACT - ST PETERSBURG, FL	500	11,000	33,000	6	6	11	17	6	6	11	17
2	ALLIANT TECHSYS ARMAMENT SYS - PLYMOUTH, MN	500	11,000	33,000	6	6	11	17	6	6	11	17
3	TO BE SELECTED - TBS02	500	11,000	33,000	6	6	11	17	6	6	11	17
4	TO BE SELECTED - TBS01	500	11,000	33,000	6	6	11	17	6	6	11	17

(*) Delivery rows marked with this 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 indicates the Contract Award Date.

Note: 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 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35	P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types	Item Number / Title [DODIC]: E73400 / CTG TANK 120MM TPCSDS-T M865 [C785]

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity (Units in Each)	3,649,000	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2,591.626	27.915	28.263	31.900	-	31.900
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	2,591.626	27.915	28.263	31.900	-	31.900
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,591.626	27.915	28.263	31.900	-	31.900

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	710.23	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	-	-	-	-	-	-	-	-	-	1.202	-	-	-	-	-	1.202
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	-	-	-	-	-	-	1.202	-	-	-	-	-	1.202
Support - Product Improvement Cost																		
Reliability	-	-	-	-	-	2.620	-	-	0.601	-	-	1.142	-	-	-	-	-	1.142
Safety	-	-	-	-	-	2.297	-	-	2.186	-	-	1.561	-	-	-	-	-	1.561
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	-	-	-	4.917	-	-	2.787	-	-	2.703	-	-	-	-	-	2.703
Support - Production Engineering Cost																		
Production Engineering	-	-	2,591.626	-	-	2.363	-	-	2.847	-	-	1.276	-	-	-	-	-	1.276
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	2,591.626	-	-	2.363	-	-	2.847	-	-	1.276	-	-	-	-	-	1.276
Support - Quality Assurance Cost																		
Quality Assurance	-	-	-	-	-	0.010	-	-	0.010	-	-	0.009	-	-	-	-	-	0.009
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	-	-	-	0.010	-	-	0.010	-	-	0.009	-	-	-	-	-	0.009
Support - Recapitalization Cost																		
Recapitalization	-	-	-	-	-	20.625	-	-	22.619	-	-	26.710	-	-	-	-	-	26.710
<i>Subtotal: Support - Recapitalization Cost</i>	-	-	-	-	-	20.625	-	-	22.619	-	-	26.710	-	-	-	-	-	26.710
Gross/Weapon System Cost	710.23	3,649,000	2,591.626	-	-	27.915	-	-	28.263	-	-	31.900	-	-	-	-	-	31.900

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35	P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types	Item Number / Title [DODIC]: E73400 / CTG TANK 120MM TPCSDS-T M865 [C785]
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35	P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types	Item Number / Title [DODIC]: E78007 / CTG, TANK, 120MM HEAT-MP-T M830A1

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	565.934	-	-	-	8.999	8.999
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	565.934	-	-	-	8.999	8.999
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	565.934	-	-	-	8.999	8.999

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

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

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.234	-	-	0.234
Subtotal: Support - Acceptance Testing Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.234	-	-	0.234
Support - Production Engineering Cost																		
Production Engineering	-	-	565.934	-	-	-	-	-	-	-	-	-	-	-	0.630	-	-	0.630
Subtotal: Support - Production Engineering Cost	-	-	565.934	-	-	-	-	-	-	-	-	-	-	-	0.630	-	-	0.630
Support - Quality Assurance Cost																		
Quality Assurance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.003	-	-	0.003
Subtotal: Support - Quality Assurance Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.003	-	-	0.003
Support - Recapitalization Cost																		
Recapitalization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.132	-	-	8.132
Subtotal: Support - Recapitalization Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.132	-	-	8.132
Gross/Weapon System Cost	-	-	565.934	-	-	-	-	-	-	-	-	-	-	-	8.999	-	-	8.999

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2017 Army													Date: February 2016					
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35						P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types						Item Number / Title [DODIC]: E88106 / CTG, TANK, 120MM APFSDS-T, M829A4 [CA64]						
ID Code (A=Service Ready, B=Not Service Ready) : A									MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO		FY 2017 Total	
Procurement Quantity (Units in Each)				-		4,690			3,673			3,410			-		3,410	
Gross/Weapon System Cost (\$ in Millions)				-		41.235			38.978			44.540			-		44.540	
Less PY Advance Procurement (\$ in Millions)				-		-			-			-			-		-	
Net Procurement (P-1) (\$ in Millions)				-		41.235			38.978			44.540			-		44.540	
Plus CY Advance Procurement (\$ in Millions)				-		-			-			-			-		-	
Total Obligation Authority (\$ in Millions)				-		41.235			38.978			44.540			-		44.540	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																		
Initial Spares (\$ in Millions)				-		-			-			-			-		-	
Gross/Weapon System Unit Cost (\$ in Dollars)				-		8,792.11			10,612.03			13,061.58			-		13,061.58	
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
COMPLETE ROUND ^(†)	-	-	-	7,534.18	4,690	35.335	9,430.86	3,673	34.640	11,200.00	3,410	38.192	-	-	-	11,200.00	3,410	38.192
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	35.335	-	-	34.640	-	-	38.192	-	-	-	-	-	38.192
Non Recurring Cost																		
NonRecurring Engineering	-	-	-	-	-	1.754	-	-	-	-	-	2.151	-	-	-	-	-	2.151
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	1.754	-	-	-	-	-	2.151	-	-	-	-	-	2.151
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	37.089	-	-	34.640	-	-	40.343	-	-	-	-	-	40.343
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	-	-	-	-	-	-	-	-	-	0.256	-	-	-	-	-	0.256
First Article Test	-	-	-	-	-	-	-	-	0.156	-	-	0.188	-	-	-	-	-	0.188
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	-	-	-	0.156	-	-	0.444	-	-	-	-	-	0.444
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	4.146	-	-	3.982	-	-	3.540	-	-	-	-	-	3.540
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	4.146	-	-	3.982	-	-	3.540	-	-	-	-	-	3.540
Support - Study & Analysis Cost																		
Study & Analysis	-	-	-	-	-	-	-	-	0.200	-	-	0.213	-	-	-	-	-	0.213

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35	P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types	Item Number / Title [DODIC]: E88106 / CTG, TANK, 120MM APFSDS-T, M829A4 [CA64]
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Support - Study & Analysis Cost</i>	-	-	-	-	-	-	-	-	0.200	-	-	0.213	-	-	-	-	-	0.213
Gross/Weapon System Cost	-	-	-	8,792.11	4,690	41.235	10,612.03	3,673	38.978	13,061.58	3,410	44.540	-	-	-	13,061.58	3,410	44.540

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2017 Army							Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35			P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types				Item Number / Title [DODIC]: E88106 / CTG, TANK, 120MM APFSDS-T, M829A4 [CA64]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND ^(†)		2015	ALLIANT TECHSYSTEMS INC. / PLYMOUTH, MN	C / FFP	PICATINNY ARSENAL, NJ	Sep 2015	Nov 2016	4,690	7,534.18	Y		
COMPLETE ROUND ^(†)		2016	ALLIANT TECHSYSTEMS INC. / PLYMOUTH, MN	C / FFP	PICATINNY ARSENAL, NJ	Jul 2016	Sep 2017	3,673	9,430.86	Y		
COMPLETE ROUND ^(†)		2017	TO BE SELECTED / TBS01	TBD	PICATINNY ARSENAL, NJ	Mar 2017	May 2018	3,410	11,200.00	Y		

^(†) indicates the presence of a P-21

Remarks:
FY 2016 is an option to an existing contract awarded in FY 2015.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2017 Army															Date: February 2016														
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35										P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types										Item Number / Title [DODIC]: E88106 / CTG, TANK, 120MM APFSDS-T, M829A4 [CA64]									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2017													Fiscal Year 2018													B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCE PT TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017													Calendar Year 2018													
							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			
COMPLETE ROUND																																	
	1	2015	ARMY	4,690	-	4,690	-	4,690																					-				
	1	2016	ARMY	3,673	-	3,673	-	-	-	-	-	-	-	-	-	-	-	3,673											-				
	2	2017	ARMY	3,410	-	3,410											A	-	-	-	-	-	-	-	-	-	-	3,410	-				
							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			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35		P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types
		Item Number / Title [DODIC]: E88106 / CTG, TANK, 120MM APFSDS-T, M829A4 [CA64]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2017	1-8-5 For 2017	MAX For 2017	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	ALLIANT TECHSYSTEMS INC. - PLYMOUTH, MN	1,000	3,000	5,000	6	9	15	24	6	6	14	20
2	TO BE SELECTED - TBS01	1,000	3,000	5,000	6	6	15	21	6	6	14	20

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

Note: 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 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED