

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2016 Army **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition	<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, All Types
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ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	3,402.784	55.780	40.904	79.972	-	79.972	115.472	122.008	114.122	105.340	-	4,036.382
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	3,402.784	55.780	40.904	79.972	-	79.972	115.472	122.008	114.122	105.340	-	4,036.382
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>3,402.784</b>	<b>55.780</b>	<b>40.904</b>	<b>79.972</b>	<b>-</b>	<b>79.972</b>	<b>115.472</b>	<b>122.008</b>	<b>114.122</b>	<b>105.340</b>	<b>-</b>	<b>4,036.382</b>

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

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

**Description:**

This budget line includes 40MM ALL TYPES:

(E11800) The 40mm M430A1 is a High-Explosive Dual Purpose cartridge (HEDP), and is fired from a MK19 Grenade Machine Gun at a max range of 2,200 meters. It is capable of penetrating three inches of steel armor and inflicting personnel casualties in the target area. This item is Code A, approved for service use.

(E12502) The 40mm M385A1 practice cartridge is a fixed round of ammunition consisting of a one-piece solid aluminum projectile body with copper rotating band and is fired from a MK19 Grenade Machine Gun at a max range of 2,200 meters. The cartridge is used as training ammunition. This item is Code A, approved for service use.

(E12601) The 40mm M433 is a High Explosive Dual Purpose impact type round designed to penetrate lightly armored targets and perform an anti-personnel mission, and is compatible with the M203, M320, and M79 Grenade Launchers. Upon impact, the detonator triggers the spitback shaped charge and produces a jet blast that detonates the high explosive bursting charge. Detonation of the bursting charge forms an armor-piercing jet of molten metal and fragmentation of the projectile body. This item is Code A, approved for service use.

(E74200) The 40mm Practice M781 is a training cartridge for the M203, M320, and M79 Grenade Launchers. It is a fixed round of ammunition consisting of zinc-alloy projectile body with a rotating band and cartridge case assembly. A hollow polystyrene ogive is filled with high visibility yellow-orange dye. A .38 caliber blank cartridge is press-fitted into the base of the cartridge case and provides gas pressure needed to propel projectile through the launcher barrel. This item is Code A, approved for service use.

(E74315) The 40mm Practice M918/M385A1 Mixed Belt cartridge configuration for the MK19 Grenade Machine Gun is a high velocity training projectile with realistic signature effects providing sufficient flash, smoke and sound upon impact to be seen/heard out to 1,200 meters. In addition to providing audible/visual signature for day or night firing, the mixed belt for MK19 Grenade Machine Gun will minimize hazards to troops in the training area. This item is Code A, approved for service use.

(E05611) The 40mm M918E1 High Velocity Day Night Thermal cartridge is a training cartridge for the Mk19 Grenade Machine Gun. This is a fixed round of ammunition consisting of a projectile assembly and cartridge case assembly. The projectile ogive is filled with a signature material that provides a signature upon impact that can be seen, day or night with unaided eye, thermal and night vision weapon sights. The cartridge does not contain any fuzing or explosives, eliminating unexploded ordnance issues on the training ranges due to non-functioning training ammunition. This item is code B, not approved for service use.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Army		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, 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>
<p>(E05610) The 40mm M781E1 Low Velocity Day Night Thermal cartridge is a training cartridge for the M203, M320 and M79 Grenade Launchers. This is a fixed round of ammunition consisting of a projectile assembly and cartridge case assembly. The projectile ogive is filled with a signature material that provides a signature upon impact that can be seen, day or night with unaided eye, thermal and night vision weapon sights. The cartridge does not contain any fuzing or explosives, eliminating unexploded ordnance issues on the training ranges due to non-functioning training ammunition. This item is code B, not approved for service use.</p> <p>(E71700) The 40mm Dummy M922 is an inert round. It physically mimics the M430A1 cartridge. It is used to check weapon function and for crew training. This cartridge is used as a drill round to train users in handling ammunition and loading the Mk19 series automatic grenade launcher. This item is Code A, approved for service use.</p>		

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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Army **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition	<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, All Types
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Exhibits Schedule			Program Elements for Code B Items:			Other Related Program Elements:		
Title*	Exhibits	ID CD	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
			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)
E05610 / CTG, 40MM TGT PRAC-DAY/NIGHT/THERMAL,LO VEL M781E1	P-40a	B	- / -	- / -	- / 0.986	- / -	- / -	- / -
E05611 / CTG, 40MM TGT PRAC-DAY NIGHT THERMAL,HI VEL M918E1	P-40a	B	- / -	- / -	- / 0.986	- / -	- / -	- / -
E11800 / CTG 40MM HEDP M430 series F/MK19 MG	P-40a	A	56,410,000 / 715.174	- / -	87,421 / 4.928	27,051 / 2.802	- / -	27,051 / 2.802
E12502 / CTG 40MM PRACTICE M385A1	P-40a	A	3,228,000 / 50.479	- / -	86,386 / 2.098	105,086 / 2.170	- / -	105,086 / 2.170
E71700 / CTG 40MM DUMMY M922	P-40a	A	91,000 / 1.221	- / -	33,445 / 0.493	- / -	- / -	- / -
E12601 / CTG 40MM HEDP M433 [B546]	P-5, P-5a, P-21	A	156,790K / 527.014	- / -	- / -	60,100 / 5.000	- / -	60,100 / 5.000
E74200 / CTG 40MM PRACTICE M781 f/M203 Gren Launcher [B519]	P-5, P-5a, P-21	A	46,701,000 / 152.831	2,188,524 / 8.500	215,577 / 1.232	- / -	- / -	- / -
E74315 / CTG 40MM PRAC, M918/M385A1 [BA30]	P-5, P-5a, P-21	A	28,417,000 / 760.445	1,386,676 / 47.280	1,060,197 / 30.181	2,501,419 / 70.000	- / -	2,501,419 / 70.000
<b>Total Gross/Weapon System Cost</b>			<b>- / 3,402.784</b>	<b>- / 55.780</b>	<b>- / 40.904</b>	<b>- / 79.972</b>	<b>- / -</b>	<b>- / 79.972</b>

\*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 add due to rounding.

**Justification:**

FY 2016 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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

(E05610) CTG, 40MM, M781E1 LOW VELOCITY DAY NIGHT THERMAL - This is a training unique item not used in combat. The FY 2016 request supports annual training and builds a depot level in accordance with the Army's procurement goals.

Type Classification Date: Pending

(E05611) CTG, 40MM, M918E1 HIGH VELOCITY DAY NIGHT THERMAL - This is a training unique item not used in combat. The FY 2016 request supports annual training and builds a depot level in accordance with the Army's procurement goals.

Type Classification Date: Pending

(E11800) CTG 40MM HEDP M430A1 F/MK19 MG - This is a training standard item used in both training and combat. The FY 2016 request supports annual training and builds a depot level in accordance with the Army's procurement goals. The FY 2016 procurement dollars in the amount of \$2.802 million supports the procurement of .027 million HEDP M430A1 cartridges.

TYPE CLASSIFICATION DATE: 1971

(E12502) CTG 40MM PRACTICE M385A1 - This is a training unique item not used in combat. The FY 2016 request supports annual training and builds a depot level in accordance with the Army's procurement goals. The FY 2016 procurement dollars in the amount of \$2.170 million supports the procurement of .105 million M385A1 cartridges.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Army		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, 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>
TYPE CLASSIFICATION DATE: 1987  (E12601) CTG 40MM HEDP M433 - This is a training standard item used in both training and combat. The procurement supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. The FY 2016 procurement dollars in the amount of \$5.000 million supports the procurement of .060 million HEDP M433 cartridges.		
TYPE CLASSIFICATION DATE: 1971  (E74200) CTG 40MM PRACTICE M781 f/M203 Grenade Launcher - This is a training unique item not used in combat. The FY 2016 request supports annual training and builds a depot level in accordance with the Army's procurement goals.		
TYPE CLASSIFICATION DATE: 1978  (E74315) CTG 40MM PRAC, M918/M385A1 - This is a training unique item not used in combat. The FY 2016 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2016 procurement dollars in the amount of \$70.000 million supports the procurement of 2.501 million M918/M385A1 cartridges.		
TYPE CLASSIFICATION DATE: 1985  (E71700) CTG 40MM DUMMY M922 - This is a training unique item not used in combat. The FY 2016 request supports annual training and builds a depot level in accordance with the Army's procurement goals.		
TYPE CLASSIFICATION DATE: 1987		

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<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Army															<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, All Types					<b>Aggregated Items Title:</b> Various				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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)
<b>CTG, 40MM TGT PRAC-DAY/NIGHT/THERMAL,LO VEL M781E1</b>																				
E05610 / CTG, 40MM TGT PRAC-DAY/NIGHT/THERMAL,LO VEL M781E1	B		-	-	-	-	-	-	-	-	0.986	-	-	-	-	-	-	-	-	-
E05611 / CTG, 40MM TGT PRAC-DAY/NIGHT THERMAL,HI VEL M918E1	B		-	-	-	-	-	-	-	-	0.986	-	-	-	-	-	-	-	-	-
E11800 / CTG 40MM HEDP M430 series F/ MK19 MG	A		12.68	56,410,000	715.174	-	-	-	56.37	87,421	4.928	103.58	27,051	2.802	-	-	-	103.58	27,051	2.802
E12502 / CTG 40MM PRACTICE M385A1	A		15.64	3,228,000	50.479	-	-	-	24.29	86,386	2.098	20.65	105,086	2.170	-	-	-	20.65	105,086	2.170
E71700 / CTG 40MM DUMMY M922	A		13.42	91,000	1.221	-	-	-	14.74	33,445	0.493	-	-	-	-	-	-	-	-	-
<i>Subtotal: CTG, 40MM TGT PRAC-DAY/NIGHT/THERMAL,LO VEL M781E1</i>			-	-	766.874	-	-	-	-	-	9.491	-	-	4.972	-	-	-	-	-	4.972
<b>Total</b>			-	-	<b>766.874</b>	-	-	-	-	-	<b>9.491</b>	-	-	<b>4.972</b>	-	-	-	-	-	<b>4.972</b>

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<b>Exhibit P-5, Cost Analysis: PB 2016 Army</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, All Types	<b>Item Number / Title [DODIC]:</b> E12601 / CTG 40MM HEDP M433 [B546]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>
Procurement Quantity ( <i>Units in Each</i> )	156,790K	-	-	60,100	-	60,100
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	527.014	-	-	5.000	-	5.000
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	527.014	-	-	5.000	-	5.000
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>527.014</b>	<b>-</b>	<b>-</b>	<b>5.000</b>	<b>-</b>	<b>5.000</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>\$ in Dollars</i> )	3.36	-	-	83.19	-	83.19

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

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2014</b>			<b>FY 2015</b>			<b>FY 2016 Base</b>			<b>FY 2016 OCO</b>			<b>FY 2016 Total</b>		
	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
Hardware Cost																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	92.48	4,859,265	449.385	-	-	-	-	-	-	67.92	60,100	4.082	-	-	-	67.92	60,100	4.082
<i>Subtotal: Recurring Cost</i>	-	-	449.385	-	-	-	-	-	-	-	-	4.082	-	-	-	-	-	4.082
<i>Subtotal: Hardware Cost</i>	-	-	449.385	-	-	-	-	-	-	-	-	4.082	-	-	-	-	-	4.082
Support Cost																		
PRODUCTION ENGINEERING	-	-	76.417	-	-	-	-	-	-	-	-	0.723	-	-	-	-	-	0.723
QUALITY ASSURANCE	-	-	1.212	-	-	-	-	-	-	-	-	0.012	-	-	-	-	-	0.012
FIRST ARTICLE TEST	-	-	-	-	-	-	-	-	-	-	-	0.183	-	-	-	-	-	0.183
<i>Subtotal: Support Cost</i>	-	-	77.629	-	-	-	-	-	-	-	-	0.918	-	-	-	-	-	0.918
<b>Gross/Weapon System Cost</b>	<b>3.36</b>	<b>156,790K</b>	<b>527.014</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>83.19</b>	<b>60,100</b>	<b>5.000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>83.19</b>	<b>60,100</b>	<b>5.000</b>

(†) indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning:** PB 2016 Army **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, All Types	<b>Item Number / Title [DODIC]:</b> E12601 / CTG 40MM HEDP M433 [B546]
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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 <sup>(†)</sup>		2016	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2016	Aug 2017	60,100	67.92	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

(E12601) CTG 40MM HEDP M433 - This is a training standard item used in both training and combat. The procurement supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. The FY 2016 procurement dollars in the amount of \$5.000 million supports the procurement of .060 million HEDP M433 cartridges.

TYPE CLASSIFICATION DATE: 1971





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**Exhibit P-21, Production Schedule:** PB 2016 Army **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, All Types	<b>Item Number / Title [DODIC]:</b> E12601 / CTG 40MM HEDP M433 [B546]
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Cost Elements <i>(Units in Millions (* = &lt; 500 units))</i>						Fiscal Year 2018										Fiscal Year 2019															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018										Calendar Year 2019										B A L				
							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																															
Prior Years Deliveries: 4859265																															
	1	2016	ARMY	.060	.010	.050	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005														-	
							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

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Army								<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30					<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, All Types				<b>Item Number / Title [DODIC]:</b> E12601 / CTG 40MM HEDP M433 [B546]			
<b>Production Rates (Each / Month)</b>					<b>Procurement Leadtime (Months)</b>							
<b>MFR Ref #</b>	<b>MFR Name - Location</b>	<b>MSR For 2016</b>	<b>1-8-5 For 2016</b>	<b>MAX For 2016</b>	<b>Initial</b>				<b>Reorder</b>			
					<b>ALT Prior to Oct 1</b>	<b>ALT After Oct 1</b>	<b>Mfg PLT</b>	<b>Total After Oct 1</b>	<b>ALT Prior to Oct 1</b>	<b>ALT After Oct 1</b>	<b>Mfg PLT</b>	<b>Total After Oct 1</b>
1	TO BE SELECTED - TBS01	200,000	274,000	685,000	6	6	19	25	6	6	17	23

**Remarks:**  
STATED CAPACITIES ARE BASED ON SHARED LINES ACROSS MULTIPLE 40MM LOW VELOCITY CONFIGURATIONS.

"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).

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<b>Exhibit P-5, Cost Analysis: PB 2016 Army</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, All Types	<b>Item Number / Title [DODIC]:</b> E74200 / CTG 40MM PRACTICE M781 f/ M203 Gren Launcher [B519]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>		<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>
Procurement Quantity ( <i>Units in Each</i> )		46,701,000	2,188,524	215,577	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )		152.831	8.500	1.232	-	-	-
Less PY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )		152.831	8.500	1.232	-	-	-
Plus CY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )		<b>152.831</b>	<b>8.500</b>	<b>1.232</b>	-	-	-
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares ( <i>\$ in Millions</i> )		-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )		3.27	3.88	5.71	-	-	-

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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 <sup>(†)</sup>	11.71	12,229,120	143.203	3.66	2,188,524	8.010	4.69	215,577	1.011	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	143.203	-	-	8.010	-	-	1.011	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	143.203	-	-	8.010	-	-	1.011	-	-	-	-	-	-	-	-	-
Support Cost																		
Production Engineering	-	-	1.834	-	-	0.100	-	-	0.200	-	-	-	-	-	-	-	-	-
Quality Assurance	-	-	0.764	-	-	-	-	-	0.006	-	-	-	-	-	-	-	-	-
FIRST ARTICLE TEST	-	-	-	-	-	-	-	-	0.015	-	-	-	-	-	-	-	-	-
M320 FIRING TABLES	-	-	4.126	-	-	0.231	-	-	-	-	-	-	-	-	-	-	-	-
GFM DISPOSAL	-	-	2.904	-	-	0.159	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support Cost	-	-	9.628	-	-	0.490	-	-	0.221	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	<b>3.27</b>	<b>46,701,000</b>	<b>152.831</b>	<b>3.88</b>	<b>2,188,524</b>	<b>8.500</b>	<b>5.71</b>	<b>215,577</b>	<b>1.232</b>	-	-	-	-	-	-	-	-	-

<sup>(†)</sup> indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Army							<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, All Types				<b>Item Number / Title [DODIC]:</b> E74200 / CTG 40MM PRACTICE M781 f/ M203 Gren Launcher [B519]					

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 <sup>(†)</sup>		2014	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2014	Apr 2015	2,188,524	3.66	Y		
COMPLETE ROUND <sup>(†)</sup>		2015	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2015	Apr 2016	215,577	4.69	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**  
(E74200) CTG 40MM PRACTICE M781 f/M203 Grenade Launcher - This is a training unique item not used in combat. The procurement request supports annual training and builds a depot level in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE: 1978

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2016 Army																<b>Date:</b> February 2015												
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30											<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, All Types											<b>Item Number / Title [DODIC]:</b> E74200 / CTG 40MM PRACTICE M781 f/ M203 Gren Launcher [B519]						

Cost Elements (Units in Millions (* = < 500 units))					Fiscal Year 2014														Fiscal Year 2015																					
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014														Calendar Year 2015														B A L					
							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																																								
Prior Years Deliveries: 12229120																																								
	1	2014	ARMY	2.189	-	2.189										A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.115	.189	.189	.189	.189	.189	.189	1.131
	1	2014	AF (+)	.071	-	.071									A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.071	-	-	-	-	-	-	-	
	<b>1</b>	<b>2014</b>	<b>Total</b>	<b>2.260</b>	<b>-</b>	<b>2.260</b>									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.186</b>	<b>.189</b>	<b>.189</b>	<b>.189</b>	<b>.189</b>	<b>.189</b>	<b>.189</b>	<b>1.131</b>	
	2	2015	ARMY	.216	-	.216																					A	-	-	-	-	-	-	-	-	-	-	-	-	.216
	2	2015	AF (+)	.381	-	.381																					A	-	-	-	-	-	-	-	-	-	-	-	-	.381
	<b>2</b>	<b>2015</b>	<b>Total</b>	<b>.596</b>	<b>-</b>	<b>.596</b>																					-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.596</b>

O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	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, Production Schedule:</b> PB 2016 Army																	<b>Date:</b> February 2015										
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, All Types										<b>Item Number / Title [DODIC]:</b> E74200 / CTG 40MM PRACTICE M781 f/ M203 Gren Launcher [B519]							

Cost Elements (Units in Millions (* = < 500 units))							Fiscal Year 2016											Fiscal Year 2017																		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 5	BAL 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																																				
Prior Years Deliveries: 12229120																																				
1	2014	ARMY		2.189	1.058	1.131	.189	.189	.189	.189	.189	.189																								-
1	2014	AF (‡)		.071	.071	-	-	-	-	-	-	-																								-
1	<b>2014</b>	<b>Total</b>		<b>2.260</b>	<b>1.129</b>	<b>1.131</b>	<b>.189</b>	<b>.189</b>	<b>.189</b>	<b>.189</b>	<b>.189</b>	<b>.189</b>																								-
2	2015	ARMY		.216	-	.216	-	-	-	-	-	-	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018									-	
2	2015	AF (‡)		.381	-	.381	-	-	-	-	-	-	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032	.032									-	
2	<b>2015</b>	<b>Total</b>		<b>.596</b>	-	<b>.596</b>	-	-	-	-	-	-	<b>.050</b>	<b>.050</b>	<b>.050</b>	<b>.050</b>	<b>.050</b>	<b>.050</b>	<b>.050</b>	<b>.050</b>	<b>.050</b>	<b>.050</b>	<b>.050</b>	<b>.050</b>	<b>.050</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, Production Schedule:</b> PB 2016 Army		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, All Types
		<b>Item Number / Title [DODIC]:</b> E74200 / CTG 40MM PRACTICE M781 f/ M203 Gren Launcher [B519]

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	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	AMTEC CORPORATION - JANESVILLE, WI	20,000	150,000	375,000	6	6	13	19	6	6	10	16
2	TO BE SELECTED - TBS01	20,000	150,000	375,000	6	6	13	19	6	6	10	16

(‡) 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**

<b>Exhibit P-5, Cost Analysis: PB 2016 Army</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, All Types
		<b>Item Number / Title [DODIC]:</b> E74315 / CTG 40MM PRAC, M918/ M385A1 [BA30]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	28,417,000	1,386,676	1,060,197	2,501,419	-	2,501,419
Gross/Weapon System Cost (\$ in Millions)	760.445	47.280	30.181	70.000	-	70.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	760.445	47.280	30.181	70.000	-	70.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>760.445</b>	<b>47.280</b>	<b>30.181</b>	<b>70.000</b>	<b>-</b>	<b>70.000</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 (\$ in Dollars)	26.76	34.10	28.47	27.98	-	27.98

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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)
<b>Hardware Cost</b>																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	10.78	23,847,959	257.081	11.62	1,386,676	16.113	13.43	1,060,197	14.238	13.57	2,501,419	33.944	-	-	-	13.57	2,501,419	33.944
PROJ ASSY 40MM M918 <sup>(†)</sup>	12.73	20,185,407	256.960	16.27	981,947	15.976	15.13	743,463	11.249	16.86	1,754,120	29.574	-	-	-	16.86	1,754,120	29.574
PROJ BODY 40MM M385A1 <sup>(†)</sup>	4.55	6,623,213	30.136	4.18	448,243	1.874	5.02	342,709	1.720	4.52	808,583	3.655	-	-	-	4.52	808,583	3.655
<i>Subtotal: Recurring Cost</i>	-	-	544.177	-	-	33.963	-	-	27.207	-	-	67.174	-	-	-	-	-	67.174
<i>Subtotal: Hardware Cost</i>	-	-	544.177	-	-	33.963	-	-	27.207	-	-	67.174	-	-	-	-	-	67.174
<b>Support Cost</b>																		
PRODUCTION ENGINEERING	-	-	65.285	-	-	4.059	-	-	2.837	-	-	2.800	-	-	-	-	-	2.800
QUALITY ASSURANCE	-	-	2.301	-	-	0.014	-	-	0.007	-	-	0.004	-	-	-	-	-	0.004
FIRST ARTICLE TEST FOR LAP	-	-	-	-	-	-	-	-	0.130	-	-	0.023	-	-	-	-	-	0.023
FIRST ARTICLE TEST FOR PROJECTILE	-	-	9.698	-	-	0.603	-	-	-	-	-	-	-	-	-	-	-	-
CLOSING CUP REDESIGN	-	-	10.152	-	-	0.631	-	-	-	-	-	-	-	-	-	-	-	-
REA BASELINE OPTIMIZATION	-	-	128.832	-	-	8.010	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	216.268	-	-	13.317	-	-	2.974	-	-	2.827	-	-	-	-	-	2.827



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Army		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, All Types	<b>Item Number / Title [DODIC]:</b> E74315 / CTG 40MM PRAC, M918/ M385A1 [BA30]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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)
Gross/Weapon System Cost	26.76	28,417,000	760.445	34.10	1,386,676	47.280	28.47	1,060,197	30.181	27.98	2,501,419	70.000	-	-	-	27.98	2,501,419	70.000

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning: PB 2016 Army** **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, All Types	<b>Item Number / Title [DODIC]:</b> E74315 / CTG 40MM PRAC, M918/ M385A1 [BA30]
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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
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2014	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2014	Feb 2016	1,386,676	11.62	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2015	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2015	Nov 2017	1,060,197	13.43	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2016	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2016	Sep 2018	2,501,419	13.57	Y		
PROJ ASSY 40MM M918		2014	GTI SYSTEMS, INC / AUBURNDALE, FL	C / FFP	ROCK ISLAND ARSENAL, IL	Jul 2014	Dec 2015	981,947	16.27	Y		
PROJ ASSY 40MM M918		2015	GTI SYSTEMS, INC / AUBURNDALE, FL	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2015	Sep 2017	743,463	15.13	Y		
PROJ ASSY 40MM M918		2016	GTI SYSTEMS, INC / AUBURNDALE, FL	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2016	Jul 2018	1,754,120	16.86	Y		
PROJ BODY 40MM M385A1		2014	GTI SYSTEMS, INC / AUBURNDALE, FL	C / FFP	ROCK ISLAND ARSENAL, IL	May 2014	Dec 2015	448,243	4.18	Y		
PROJ BODY 40MM M385A1		2015	GTI SYSTEMS, INC / AUBURNDALE, FL	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2015	Sep 2017	342,709	5.02	Y		
PROJ BODY 40MM M385A1		2016	GTI SYSTEMS, INC / AUBURNDALE, FL	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2016	Jul 2018	808,583	4.52	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**  
FY 2015 - FY 2016 M918 PROJECTILE ASSEMBLIES AND M385A1 PROJECTILE BODIES WILL BE AWARDED AS AN OPTION TO THE FY 2014 CONTRACT.

(E74315) CTG 40MM PRAC, M918/M385A1 - This is a training unique item not used in combat. The FY 2016 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2016 procurement dollars in the amount of \$70.000 million supports the procurement of 2.501 million M918/M385A1 cartridges.

TYPE CLASSIFICATION DATE: 1985

FY 2015 M918 and M385 Projectiles will be part of the FY 2014 Projectile contracts.

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2016 Army																		<b>Date:</b> February 2015											
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, All Types										<b>Item Number / Title [DODIC]:</b> E74315 / CTG 40MM PRAC, M918/ M385A1 [BA30]									

<b>Cost Elements</b> <i>(Units in Millions (* = &lt; 500 units))</i>						<b>Fiscal Year 2014</b>														<b>Fiscal Year 2015</b>														
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	<b>Calendar Year 2014</b>														<b>Calendar Year 2015</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			

LOAD, ASSEMBLE, PACK (LAP)

Prior Years Deliveries: 23847959

1	2014	ARMY	1.387	-	1.387										A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.387		
2	2015	ARMY	1.060	-	1.060																																1.060
2	2016	ARMY	2.501	-	2.501																																2.501

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2016 Army																								<b>Date:</b> February 2015											
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30													<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, All Types											<b>Item Number / Title [DODIC]:</b> E74315 / CTG 40MM PRAC, M918/ M385A1 [BA30]											
Cost Elements (Units in Millions (* = < 500 units))						Fiscal Year 2016														Fiscal Year 2017															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT 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				
LOAD, ASSEMBLE, PACK (LAP)																																			
Prior Years Deliveries: 23847959																																			
	1	2014	ARMY	1.387	-	1.387	-	-	-	-	.231	.231	.231	.231	.231	.231																			-
	2	2015	ARMY	1.060	-	1.060	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.060
	2	2016	ARMY	2.501	-	2.501																													2.501
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	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, Production Schedule:</b> PB 2016 Army												<b>Date:</b> February 2015											
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30						<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, All Types						<b>Item Number / Title [DODIC]:</b> E74315 / CTG 40MM PRAC, M918/ M385A1 [BA30]											

Cost Elements <i>(Units in Millions (* = &lt; 500 units))</i>						Fiscal Year 2018												Fiscal Year 2019													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019												
							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)																															
Prior Years Deliveries: 23847959																															
	1	2014	ARMY	1.387	1.387	-																							-		
	2	2015	ARMY	1.060	-	1.060	-	.088	.088	.088	.088	.088	.088	.088	.088	.088	.088												-		
	2	2016	ARMY	2.501	-	2.501	-	-	-	-	-	-	-	-	-	.208	.208	.208	.208	.208	.208	.208	.208	.208	.208	.208	.208	.208	-		
							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, Production Schedule:</b> PB 2016 Army		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> ER8001 / CTG, 40MM, All Types
		<b>Item Number / Title [DODIC]:</b> E74315 / CTG 40MM PRAC, M918/ M385A1 [BA30]

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	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	AMTEC CORPORATION - JANESVILLE, WI	20,000	320,000	800,000	6	6	32	38	6	6	30	36
2	TO BE SELECTED - TBS01	20,000	320,000	800,000	6	6	32	38	6	6	30	36

**Remarks:**  
STATED CAPACITIES ARE SHARED ACROSS MULTIPLE 40MM HIGH VELOCITY CONFIGURATIONS AND BETWEEN MULTIPLE CONTRACTS.

"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).