Exhibit P-40, Budget Line Item Justification: PB 2015 Army

Date: March 2014

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/

ER8001 / CTG, 40MM, All Types

Medium Cal Ammunition

ID Code (A=Service Ready, B=Not Service Ready) :			Program Ele	ments for Co	de B Items:			Other Relate	d Program El	ements:		
Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2,195.879	30.831	55.781	40.904	-	40.904	46.972	69.978	85.947	89.626	-	2,615.918
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2,195.879	30.831	55.781	40.904	-	40.904	46.972	69.978	85.947	89.626	-	2,615.918
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,195.879	30.831	55.781	40.904	-	40.904	46.972	69.978	85.947	89.626	-	2,615.918
(The following	Resource Sumi	mary rows are fo	or informational p	urposes only. Th	ne corresponding	g budget request	s are documente	ed elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

<sup>&</sup>lt;sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.

#### **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.

(E84500) The 40mm M992 cartridge is a fixed round of ammunition consisting of a projectile assembly and cartridge case assembly, compatible with the M203, M320, and M79 Grenade Launchers. The body contains a pyrotechnic flare candle and is attached to a parachute. This item is Code A, approved for service use.

Exhibit P-40, Budget Line Item Justification: PB 2015 Army

Date: March 2014

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/

ER8001 / CTG, 40MM, All Types

Medium Cal Ammunition

ID Code (A=Service Ready, B=Not Service Ready) :

Program Elements for Code B Items:

Other Related Program Elements:

(E05611) The 40mm 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 eliminating unexploded ordnance issues on the training ranges due to non-functioning training ammunition. This item is code B, not approved for service use.

(E05610) The 40mm 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 eliminating unexploded ordnance issues on the training ranges due to non-functioning training ammunition. This item is code B, not approved for service use.

(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.

Exhibits Sch	nedule		P	Prior Year	s		FY 2013			FY 2014		FY	2015 Ba	se	FY	′ 2015 O	co	FY	<b>2015</b> To	tal
Title*	Exhibits	ID CD	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost												
Item - E05610 / CTG, 40MM, LOW VELOCITY DAY NIGHT THERMAL F/M20GL	P-5, P-5a, P-21	В	-	-	-	-	-	-	15.21	985,906	15.000	37.61	26,219	0.986	-	-	-	37.61	26,219	0.986
Item - E05611 / CTG, 40MM, HIGH VELOCITY DAY NIGHT THERMAL F/MK19G	P-5, P-5a, P-21	В	-	-	-	-	-	-	20.81	1,224,024	25.466	44.67	22,072	0.986	-	-	-	44.67	22,072	0.986
Item - E11800 / CTG 40MM HEDP M430 series F/MK19 MG	P-5, P-5a, P-21	A	12.65	56,410,000	713.674	-	-	-	-	-	-	56.37	87,421	4.928	-	-	-	56.37	87,421	4.928
Item - E12502 / CTG 40MM PRACTICE M385A1 [B576]	P-5, P-5a, P-21	Α	14.62	3,228,000	47.198	-	-	5.000	-	-	-	24.29	86,386	2.098	-	-	_	24.29	86,386	2.098
Item - E12601 / CTG 40MM HEDP M433	P-40a***	Α	33.58	15,670,000	526.171	-	_	0.300	-	-	-	-	-	-	-	-	-	-	-	-
Item - E71700 / CTG 40MM DUMMY M922	P-40a***	А	13.42	91,000	1.221	-	-	-	-	-	-	14.74	33,445	0.493	-	-	_	14.74	33,445	0.493
Item - E74200 / CTG 40MM PRACTICE M781 f/M203 Gren Launcher	P-40a***	A	3.27	46,701,000	152.831	-	-	-	4.95	330,439	1.636	5.71	215,577	1.232	-	-	-	5.71	215,577	1.232
Item - E84500 / CTG 40MM INFRARED ILLUM, M992	P-40a***	А	94.80	204,000	19.339	-	-	0.531	-	-	-	-	-	-	-	-	_	-	-	-
Item - E74315 / CTG 40MM PRAC, M918/M385A1 [BA30]	P-5, P-5a, P-21	A	26.97	27,265,000	735.445	21.69	1,152,424	25.000	30.39	450,067	13.679	28.47	1,060,197	30.181	-	-	-	28.47	1,060,197	30.181
Total Gross/Weapon System Cost			-	-	2,195.879	-	-	30.831	-	-	55.781	-	-	40.904	-	-	-	-	-	40.904

Exhibit P-40, Budget Line Item Justification: PB 2015 Army

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition

ER8001 / CTG, 40MM, All Types

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

\*\*\* Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

\*For Items, Title represents the Item Number / Title [DODIC].

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

#### Justification:

FY 2015 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.

(E05610) CTG, 40MM, LOW VELOCITY DAY NIGHT THERMAL F/M203 - This is a training unique item not used in combat. The FY 2015 request supports annual training and builds a depot level in accordance with the Army's procurement goals. The FY 2015 procurement dollars in the amount of \$0.986 million supports the procurement of .026 million CTG 40MM Low Velocity Non-Dud Producing F/M203 cartridges.

(E05611) CTG, 40MM, HIGH VELOCITY DAY NIGHT THERMAL - This is a training unique item not used in combat. The FY 2015 request supports annual training and builds a depot level in accordance with the Army's procurement goals. The FY 2015 procurement dollars in the amount of \$0.986 million supports the procurement of .022 million CTG 40MM High Velocity Day Night Thermal cartridges.

(E11800) CTG 40MM HEDP M430A1 F/MK19 MG - This is a training standard item used in both training and combat. The FY 2015 request supports annual training and builds a depot level in accordance with the Army's procurement goals. The FY 2015 procurement dollars in the amount of \$4.928 million supports the procurement of .087 million HEDP M430A1 cartridges.

(E12502) CTG 40MM PRACTICE M385A1 - This is a training unique item not used in combat. The FY 2015 request supports annual training and builds a depot level in accordance with the Army's procurement goals. The FY 2015 procurement dollars in the amount of \$2.098 million supports the procurement of .086 million M385A1 cartridges.

(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.

(E74200) CTG 40MM PRACTICE M781 f/M203 Grenade Launcher - This is a training unique item not used in combat. The FY 2015 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2015 procurement dollars in the amount of \$1.232 million supports the procurement of .216 million M781 f/M203 cartridges.

(E74315) CTG 40MM PRAC, M918/M385A1 - This is a training unique item not used in combat. The FY 2015 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2015 procurement dollars in the amount of \$30.181 million supports the procurement of 1.060 million M918/M385A1 cartridges.

(E84500) CTG 40MM INFRARED ILLUM, M992 - This is a war reserve item used in combat. The procurement supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals.

(E71700) CTG 40MM DUMMY M922 - This is a training unique item not used in combat. FY 2015 procurement dollars in the amount of \$0.493 million supports the procurement of .034 million M922 cartridges.

Exhibit P-5, Cost Analysis: PB 2015 Army

Appropriation / Budget Activity / Budget Sub Activity:
2034A / 01 / 30

P-1 Line Item Number / Title:
ER8001 / CTG, 40MM, All Types

ER8001 / CTG, 40MM, LOW VELOCITY DAY NIGHT THERMAL F/M20GL

EV 2013

EV 2014

FV 2015 Raso

EV 2015 OCO#

EV 2015 Total

Drior Voare

Resource Summary	Prior rears	F1 2013	F1 2014	F1 2015 Dase	F1 2015 OCO	F1 2015 10tai
Procurement Quantity (Units in Each)	-	-	985,906	26,219	-	26,219
Gross/Weapon System Cost (\$ in Millions)	-	-	15.000	0.986	-	0.986
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	15.000	0.986	-	0.986
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	15.000	0.986	-	0.986
(The following Resource Summary rows are for informati	ional purposes only. The co	responding budget request	s are documented elsewher	re.)		
Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	15.21	37.61	-	37.61

<sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.

Resource Summary

		F	Prior Years	S		FY 2013			FY 2014		F۱	′ 2015 Bas	se	F١	/ 2015 OC	0	FY	2015 Tota	al
Cost Elements	ID CD	UIIIL COSL	Qty (Each)	Total Cost (\$ M)	Unit Cost	<b>Qty</b> (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)									
Hardware Cost																			
Recurring Cost																			
COMPLETE ROUND <sup>(†)</sup>		-	-	-	-	-	-	14.19	985,906	13.990	17.35	26,219	0.455	-	-	-	17.35	26,219	0.455
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	13.990	-	-	0.455	-	-	-	-	-	0.455
Subtotal: Hardware Cost		-	-	-	-	-	-	-	-	13.990	-	-	0.455	-	-	-	-	-	0.455
Support Cost							,									,		,	
PRODUCTION ENGINEERING		-	-	-	-	-	-	-	-	1.000	-	-	0.531	-	-	-	-	-	0.531
QUALITY ASSURANCE		-	-	-	-	-	-	-	-	0.010	-	-	-	-	-	-	-	-	-
Subtotal: Support Cost		-	-	-	-	-	-	-	-	1.010	-	-	0.531	-	-	-	-	-	0.531
Gross/Weapon System Cost		-	-	-	-	-	-	15.21	985,906	15.000	37.61	26,219	0.986	-	-	-	37.61	26,219	0.986

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

Exhibit P-5a, Procurement History and Planning: PB 2015	Army	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 30	ER8001 / CTG, 40MM, All Types	Item Number / Title [DODIC]: E05610 / CTG, 40MM, LOW VELOCITY DAY NIGHT THERMAL F/M20GL

	0		Method/Type			Date			Specs	Date	RFP
	С		or		Award	of First	Qtv	Unit Cost	Avail	Revision	Issue
Cost Elements	O FY	Contractor and Location	Funding Vehicle	Location of PCO	Date	Delivery	(Each)	(\$)	Now?	Available	Date
COMPLETE ROUND(†)	2014	TO BE SELECTED / TBS01	C/FFP	ROCK ISLAND ARSENAL	Mar 2014	Dec 2014	985,906	14.19	N		
COMPLETE ROUND <sup>(†)</sup>	2015	TO BE SELECTED / TBS01	C/FFP	ROCK ISLAND ARSENAL	Mar 2015	Dec 2015	26,219	17.35	N		

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

#### Remarks:

CTG 40MM LOW VELOCITY DAY NIGHT THERMAL F/M20GL - This is a training unique item not used in combat. The FY 2015 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2015 Base procurement dollars in the amount of \$1.000 million supports the procurement of .032 million cartridges.

Type Classification Date: Pending

Exhibit P-21, Produc	tion Scl	hedul	e: PE	3 201	5 Arm	ıy														Date	: Mar	ch 20	14				
Appropriation / Bud 2034A / 01 / 30	get Activ	vity /	Budg	jet Sı	ıb Ac	tivity	:	1	<b>Line</b> 8001 <i>i</i>											E056	310 <i>1</i> (	CTG,	Title   40MN IERM	ī, LO	W VE		TY
Cost Element (Units in Millions (* = < :								Fiscal Y	ear 2014											Fiscal Ye	ear 2015						
	ACCEPT									C	Calendar	Year 201	4								Calend	dar Year	2015				
M		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 J	A U G	S E P	0 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 .9	- 36	.986						-	-	-	-	-	-	-	-	-	.082	.082	.082	.082	.082	.082	.082	.082	.082	.082	.164
1 2015 ARMY .0	26 -	.026																		-	-	-	-	-	-	-	.026
			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	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

	otion / l				C. I D	2013	5 Arm	У														Date	: Ma	rch 20	)14				
10	1 / 30	Budge	et Acti	vity /	Budg	et Su	ıb Ac	tivity		1	<b>Line</b> 8001											E05	610 <i>1</i>		40M	М, LC	)W VE		YTIC
(Unit			units))							Fiscal Y	ear 2016											Fiscal Y	ear 2017						
			ACCEPT									(	alendar	Year 201	6				-				Caler	dar Year	r 2017				
FY	SERVICE	PROC QTY	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	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	n n	A U G	S E P	B A L
TE RO	DUND							,				,	,																
014	ARMY	.986	.822	.164	.082	.082																							
015	ARMY	.026	-	.026	-	-	.026																						
·					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 J	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	N N	J U	A U G	S E P	B A L
F`:T	Υ ΓΕ R0	(Units in Millions	Y SERVICE PROC QTY TE ROUND 14 ARMY .986	(Units in Millions (* = < 500 units))  ACCEPT PRIOR TO 1 OCT SERVICE QTY 2015  TE ROUND  14 ARMY .986 .822	(Units in Millions (* = < 500 units))    ACCEPT   PRIOR   TO 1   DUE	ACCEPT   PRIOR   BAL   TO 1   DUE   O	Cunits in Millions (* = < 500 units))   ACCEPT   PRIOR   DUE   O N N	Curits in Millions (* = < 500 units))   Curits in Millions (* = < 500 units)   Curits in Millions (	ACCEPT	ACCEPT	Cunits in Millions (* = < 500 units))	Curits in Millions (* = < 500 units))	Columbia   Columbia	Cunits in Millions (* = < 500 units))	Cunits in Millions (* = < 500 units))	Color   Colo	Cunits in Millions (* = < 500 units))	Cunits in Millions (* = < 500 units))	Cunits in Millions (* = < 500 units))	Cunits in Millions (* = < 500 units))	Cunits in Millions (* = < 500 units))	Cunits in Millions (* = < 500 units))	Cost Elements	Cunits in Millions (* = < 500 units))					

Exhibit P-21, Production Schedule: PB 2015 Army		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 30	P-1 Line Item Number / Title: ER8001 / CTG, 40MM, All Types	Item Number / Title [DODIC]: E05610 / CTG, 40MM, LOW VELOCITY DAY NIGHT THERMAL F/M20GL

		Product	tion Rates (Each /	Month)				Procurement Lea	adtime (Months)			
MFF	3					Init	ial			Reo	rder	
Ref	f				ALT	ALT		Total	ALT	ALT		Total
#	MFR Name - Location	MSR	1-8-5	MAX	Prior to Oct 1	After Oct 1	Mfg PLT	After Oct 1	Prior to Oct 1	After Oct 1	Mfg PLT	After Oct 1
	TO BE SELECTED - TBS01	.020	.320	.800	6	6	9	15	6	6	9	15

The first non-gray cell 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 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).

Exhibit P-5, Cost Analysis: PB 2015 Army Date: March 2014 Appropriation / Budget Activity / Budget Sub Activity: P-1 Line Item Number / Title: Item Number / Title [DODIC]: 2034A / 01 / 30 ER8001 / CTG, 40MM, All Types E05611 / CTG, 40MM, HIGH VELOCITY DAY NIGHT THERMAL F/MK19G

Resource Summary	Prior Years	FY 2013	FY 2014	<b>FY 2015 Base</b>	FY 2015 OCO <sup>#</sup>	FY 2015 Total
Procurement Quantity (Units in Each)	-	-	1,224,024	22,072	-	22,072
Gross/Weapon System Cost (\$ in Millions)	-	-	25.466	0.986	-	0.986
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	25.466	0.986	-	0.986
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	25.466	0.986	-	0.986
(The following Resource Summary rows are for informat	ional purposes only. The co	rresponding budget request	s are documented elsewher	e.)		
Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	20.81	44.67	-	44.67

<sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.

		F	Prior Years	s		FY 2013		Ĭ	FY 2014		FY	/ 2015 Bas	se	FY	/ 2015 OC	ю	FY	2015 Tota	al
Cost Elements	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	<b>Qty</b> (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>		-	-	-	-	-	-	20.34	1,202,360	24.456	20.61	22,072	0.455	-	-	-	20.61	22,072	0.455
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	24.456	-	-	0.455	-	-	-	-	-	0.455
Subtotal: Hardware Cost		-	-	-	-	-	-	-	-	24.456	-	-	0.455	-	-	-	-	-	0.455
Support Cost				,			•	*						,					
PRODUCTION ENGINEERING		-	-	-	-	-	-	-	-	1.000	-	-	0.521	-	-	-	-	-	0.521
QUALITY ASSURANCE		-	-	-	-	-	-	-	-	0.010	-	-	0.010	-	-	-	-	-	0.010
Subtotal: Support Cost		-	-	-	-	-	-	-	-	1.010	-	-	0.531	-	-	-	-	-	0.531
Gross/Weapon System Cost		-	-	-	-	-	-	20.81	1,224,024	25.466	44.67	22,072	0.986	-	-	-	44.67	22,072	0.986

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

Exhibit P-5a, Procurement History and Planning: PB 2015 A	Army	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 30	ER8001 / CTG, 40MM, All Types	Item Number / Title [DODIC]: E05611 / CTG, 40MM, HIGH VELOCITY DAY NIGHT THERMAL F/MK19G

Cost Elements	O C O FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	<b>Qty</b> (Each)	Unit Cost	_	Date Revision Available	RFP Issue Date
COMPLETE ROUND(†)	2014	TO BE SELECTED / TBS01	C/FFP	ROCK ISLAND ARSENAL, IL	Mar 2014	Dec 2014	1,202,360	20.34	N		
COMPLETE ROUND <sup>(†)</sup>	2015	TO BE SELECTED / TBS01	C/FFP	ROCK ISLAND ARSENAL	Mar 2015	Dec 2015	22,072	20.61	N		

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

#### Remarks:

This is a training unique item not used in combat. The FY 2015 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2015 Base procurement dollars in the amount of \$1.000 million supports the procurement of .022 million cartridges.

Type Classification Date: Pending

Exh	nibi	it P	-21, Pro	oduct	ion Sc	hedu	le: PE	3 201	5 Arm	ıy														Date	: Mar	ch 20	14				
		•	<b>ation / I</b> 1 / 30	Budg	et Acti	vity /	Budç	get Su	ıb Ac	tivity	:					ber / иМ, А								E056	611 <i>1</i> (	iber / CTG, HT TH	40MN	л, ніс	GH VE	ELOC	ITY
		(Uni	Cost El its in Millions	ements (* = < 50	0 units))							Fiscal Y	ear 2014											Fiscal Ye	ar 2015						
					ACCEPT									C	Calendar	Year 201	4								Calen	dar Year	2015				
O F	١	<b>-</b> Y	SERVICE	PROC QTY	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	N N	n 1	A U G	S E P	0 C T	A 0 Z	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U	A U G	S E P	B A L
COM	IPLE	TE R	OUND							,			,					,				· ·									
1	20	014	ARMY	1.202	-	1.202						-	-	-	-	-	-	-	-	-	.100	.100	.100	.100	.100	.100	.100	.100	.100	.100	.200
1	20	015	ARMY	.022	-	.022																		-	-	- 1	-	-	-	-	.022
,							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

Ex	hik	oit P	-21, Pro	oduct	on Sc	hedul	le: PB	201	5 Arm	у														Date	e: Ma	rch 20	)14				
			i <b>ation</b> / 1 01 / 30	Budg	et Acti	vity /	Budg	et Sı	ıb Ac	tivity:		1			<b>Num</b> G, 40N									E05	611 <i>I</i>	nber / CTG, HT TH	40M	М, НІ	GH VI		CITY
		(Un	Cost E its in Millions	lements : (* = < 500	units))							Fiscal Y	ear 2016	3										Fiscal Y	ear 2017	,					
					ACCEPT					_					Calendar	Year 201	16						_		Cale	ndar Year	r 2017				
0   1 0   0 1   0 1   0	M F R #	FY	SERVICE	PROC QTY	PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	0 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	n n	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N U	J U L	A U G	S E P	B A L
CON	ИPL	ETE R	OUND																				,								
1	1 :	2014	ARMY	1.202	1.002	.200	.100	.100																							1 -
1	1 :	2015	ARMY	.022	-	.022	-	-	.011	.011																					-
		'					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 J	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	J U L	A U G	S E P	B A L

Exhibit P-21, Production Schedule: PB 2015 Army		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 30	ER8001 / CTG, 40MM, All Types	Item Number / Title [DODIC]: E05611 / CTG, 40MM, HIGH VELOCITY DAY NIGHT THERMAL F/MK19G

		Produc	tion Rates (Each /	Month)				Procurement Le	adtime (Months)			
MF	र					Init	ial			Reo	rder	
Re					ALT	ALT		Total	ALT	ALT		Total
#	MFR Name - Location	MSR	1-8-5	MAX	Prior to Oct 1	After Oct 1	Mfg PLT	After Oct 1	Prior to Oct 1	After Oct 1	Mfg PLT	After Oct 1
	1 TO BE SELECTED - TBS01	.050	.320	.800	6	9	9	18	6	9	9	18

The first non-gray cell 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).

Exhibit P-5, Cost Analysis: PB 2015 Army

Appropriation / Budget Activity / Budget Sub Activity:
2034A / 01 / 30

P-1 Line Item Number / Title:
ER8001 / CTG, 40MM, All Types

| End Types | E11800 / CTG 40MM HEDP M430 series |
F/MK19 MG

					-	
Resource Summary	Prior Years <sup>(+)</sup>	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total
Procurement Quantity (Units in Each)	56,410,000	-	-	87,421	-	87,421
Gross/Weapon System Cost (\$ in Millions)	713.674	-	-	4.928	-	4.928
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	713.674	-	-	4.928	-	4.928
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	713.674	-	-	4.928	-	4.928
(The following Resource Summary rows are for informat	ional purposes only. The cor	responding budget request	s are documented elsewhe	re.)		
Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	12.65	-	_	56.37	-	56.37

<sup>&</sup>lt;sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.

Budget Years Cost values do not sum to the represented total intentionally:

<sup>(+)</sup> Prior Years Cost Delta: 713.674 million

		ı	Prior Years	<u> </u>		FY 2013			FY 2014		F	/ 2015 Bas	se	FY	/ 2015 OC	0	FY	2015 Tota	al
Cost Elements	ID CD	Ullit COSt	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	<b>Qty</b> (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>		-	-	-	-	-	-	-	-	-	46.66	87,421	4.079	-	-	-	46.66	87,421	4.079
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	4.079	-	-	-	-	-	4.079
Subtotal: Hardware Cost		-	-	-	-	-	-	-	-	-	-	-	4.079	-	-	-	-	-	4.079
Support Cost								,		,									
PRODUCTION ENGINEERING		-	-	-	-	-	-	-	-	-	-	-	0.636	-	-	-	-	-	0.636
QUALITY ASSURANCE		-	-	-	-	-	-	-	-	-	-	-	0.002	-	-	-	-	-	0.002
FIRST ARTICLE TEST		-	-	-	-	-	-	-	-	-	-	-	0.211	-	-	-	-	-	0.211
Subtotal: Support Cost		-	-	-	-	-	-	-	-	-	-	-	0.849	-	-	-	-	-	0.849
Gross/Weapon System Cost		12.65	56,410,000	713.674	-	-	-	-	-	-	56.37	87,421	4.928	-	-	-	56.37	87,421	4.928

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

Exhibit P-5a, Procurement History and Planning: PB 2015 A	ırmy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 30	P-1 Line Item Number / Title: ER8001 / CTG, 40MM, All Types	Item Number / Title [DODIC]: E11800 / CTG 40MM HEDP M430 series F/MK19 MG
	·	

Cost Elements	0 0	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	<b>Qty</b> (Each)	Unit Cost	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2015	TO BE SELECTED / TBS	C/FFP	ROCK ISLAND ARSENAL, IL	Mar 2015	Aug 2016	87,421	46.66	Y		

 $<sup>^{(\</sup>dagger)}$  indicates the presence of a P-21

#### Remarks:

This is a training standard item used in both training and combat. The FY 2015 request supports annual training and builds a depot level in accordance with the Army's procurement goals. The FY 2015 procurement dollars in the amount of \$5.000 million supports the procurement of .672 million HEDP M430A1 cartridges.

Exh	ibi	it P-	-21, Pro	duct	ion Sc	hedu	le: PE	3 201	5 Arm	ıy														Date	e: Ma	rch 20	014				
		-	ation / I 1 / 30	Budge	et Acti	vity /	Budg	jet Sı	ıb Ac	tivity	:			Item / CTG										E11					DIC]: DP M4	30 s€	eries
		(Units	Cost El s in Millions		0 units))							Fiscal Y	ear 2015											Fiscal Y	ear 2016	1					
					ACCEPT									C	alendar	Year 201	5								Caler	ndar Yea	r 2016				
O F C R O #	F	Y	SERVICE	PROC QTY	PRIOR TO 1 OCT 2014	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 n	A U G	S E P	0 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 J	A U G	S E P	B A L
COM	PLET	TE RO	DUND																							,					
1	20	)15 A	ARMY	.087	-	.087						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.007	.007	.073
'		'			,	,	0 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	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 J	A U G	S E P	B A L

Exh	ibi	t P-	-21, Pro	oduct	ion Sc	hedu	le: PE	3 201	5 Arm	у														Dat	e: Ma	rch 20	014				
		-	ation / I 1 / 30	Budge	et Acti	vity /	Budg	jet Sı	ıb Ac	tivity:			<b>Line</b> 8001 <i>I</i>											E11		CTG	Title 40MN		DIC]: DP M <sup>2</sup>	l30 s€	eries
		(Unit	Cost El s in Millions	ements (* = < 500	0 units))							Fiscal Y	ear 2017											Fiscal \	ear 2018	1					
					ACCEPT									Ca	alendar	Year 201	17								Cale	ndar Yea	r 2018				
O F	F	Y	SERVICE	PROC QTY	PRIOR TO 1 OCT 2016	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	N U	J J	A U G	SEP	100	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	A U G	S E P	B A L
COM	PLET	TE RC	DUND											,																	
1	20	15 /	ARMY	.087	.015	.073	.007	.007	.007	.007	.007	.007	.007	.007	.007	.007															-
		'		,			0 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	J U	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	N N	J U L	A U G	S E P	B A L

Exhibit P-21, Production Schedule: PB 2015 Army		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 30	P-1 Line Item Number / Title: ER8001 / CTG, 40MM, All Types	Item Number / Title [DODIC]: E11800 / CTG 40MM HEDP M430 series F/MK19 MG

			Produc	tion Rates (Each /	Month)				Procurement Le	adtime (Months)			
м	FR						Init	ial			Reo	rder	
R	ef					ALT	ALT		Total	ALT	ALT		Total
L	#	MFR Name - Location	MSR	1-8-5	MAX	Prior to Oct 1	After Oct 1	Mfg PLT	After Oct 1	Prior to Oct 1	After Oct 1	Mfg PLT	After Oct 1
	1	TO BE SELECTED - TBS	.002	.175	.275	6	6	17	23	6	6	17	23

#### Remarks:

STATED CAPACITY REFELCTS STAND-ALONE FOR MILAN AAP LAP FACILITY. CAPACITY IS SHARED ACROSS MULTIPLE 40MM HIGH VELOCITY CONFIGURATIONS.

The first non-gray cell 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 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).

Exhibit P-5, Cost Analysis: PB 2015 Army

Appropriation / Budget Activity / Budget Sub Activity:
2034A / 01 / 30

P-1 Line Item Number / Title:
ER8001 / CTG, 40MM, All Types

ER8001 / CTG, 40MM, All Types

Bate: March 2014

Item Number / Title [DODIC]:
E12502 / CTG 40MM PRACTICE
M385A1 [B576]

Resource Summary	Prior Years <sup>(+)</sup>	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total
Procurement Quantity (Units in Each)	3,228,000	-	-	86,386	-	86,386
Gross/Weapon System Cost (\$ in Millions)	47.198	5.000	-	2.098	-	2.098
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	47.198	5.000	-	2.098	-	2.098
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	47.198	5.000	-	2.098	-	2.098
(The following Resource Summary rows are for information	onal purposes only. The cor	responding budget request	s are documented elsewhe	re.)		
Initial Spares (\$ in Millions)	-	-	=	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	14.62	-	-	24.29	-	24.29

<sup>&</sup>lt;sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.

Budget Years Cost values do not sum to the represented total intentionally:

<sup>(+)</sup> Prior Years Cost Delta: 47.198 million

		F	Prior Years	S		FY 2013			FY 2014		FY	′ 2015 Ba	se	FY	2015 OC	0	FY	2015 Tota	al
Cost Elements	ID CD	Unit Cost	<b>Qty</b> (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	<b>Qty</b> (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Hardware Cost		· · · · · · · · · · · · · · · · · · ·					•									,			
Recurring Cost																		-	
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		-	-	-	-	-	-	-	-	-	14.53	86,386	1.255	-	-	-	14.53	86,386	1.255
PROJ BODY 40MM M385A1 <sup>(†)</sup>		-	-	-	_	_	-	-	-	-	5.02	89,357	0.449	-	-	-	5.02	89,357	0.449
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	- 1	-	1.704	-	-	-	-	-	1.704
Subtotal: Hardware Cost		-	-	-	-	-	-	-	-	-	- 1	-	1.704	-	-	-	-	-	1.704
Support Cost							,									,			
PRODUCTION ENGINEERING		-	-	-	-	-	-	-	-	-	-	-	0.282	-	-	-	-	-	0.282
QUALITY ASSURANCE		-	-	-	-	-	-	-	-	-	-	-	0.003	-	-	-	-	-	0.003
FIRST ARTICLE TEST		-	-	-	-	-	-	-	-	-	-	-	0.109	-	-	-	-	-	0.109
40MM REFERENCE ROUNDS		-	-	-	-	-	5.000	-	-	-	-	-	-	-	-	-	-	-	_
Subtotal: Support Cost		-	-	-	-	-	5.000	-	-	-	-	-	0.394	-	-	-	-	-	0.394
Gross/Weapon System Cost		14.62	3,228,000	47.198	-	-	5.000	-	-	=	24.29	86,386	2.098	-	=	-	24.29	86,386	2.098

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

Exhibit P-5a, Procurement History and Planning: PB 2015 Army

Appropriation / Budget Activity / Budget Sub Activity:

2034A / 01 / 30

P-1 Line Item Number / Title:

ER8001 / CTG, 40MM, All Types

E12502 / CTG 40MM PRACTICE

M385A1 [B576]

Cost Elements	0 0	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	<b>Qty</b> (Each)	Unit Cost	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2015	TO BE SELECTED / TBS01	C/FFP	ROCK ISLAND ARSENAL, IL	Mar 2015	Jun 2017	86,386	14.53	Υ		
PROJ BODY 40MM M385A1		2015	TO BE SELECTED / TBS02	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2015	Jun 2016	89,357	5.02	Υ		

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

#### Remarks:

FY 2015 projectile will be part of the FY 2014 projectile contract.

TYPE CLASSIFICATION DATE: 1987

Exhi	ibit F	P-21, Pro	oduct	ion Sc	hedu	le: PE	3 2015	5 Arm	ıy														Date	e: Ma	rch 20	)14				
	_	riation / 1 01 / 30	Budg	et Acti	vity /	Budg	get Su	ıb Ac	tivity	:	1				ber / /IM, A								E12	<b>Num</b> 502 / 35A1 [	CTG	40MN			Έ	
	(U	Cost El nits in Millions	lements (* = < 50	0 units))							Fiscal Y	ear 2015											Fiscal Y	ear 2016						
				ACCEPT									C	alendar	Year 201	5								Caler	ndar Year	2016				
O F R O #	FY	SERVICE	PROC QTY	PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	0 C T	< 0 ×	D E C	J A N	F E B	M A R	A P R	M A Y	J U	J U	A U G	S E P	100	N 0 V	D E C	J A N	F E B	M A R	A P R	M A Y	N U	J U L	A U G	S E P	B A L
LOAD	, ASSE	MBLE, PACK	(LAP)	'									,		,													,		
1	2015	ARMY	.086	-	.086						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.086
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	J U L	A U G	S E P	0 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	J U L	A U G	S E P	B A L

Exh	ibit	t P-2	1, Pro	ducti	ion Sc	hedu	le: PE	3 201	5 Arm	ıy														Date	e: Mar	rch 20	)14				
<b>App</b> 2034	-			Budge	et Acti	vity /	Budg	jet Su	ıb Ac	tivity	:				<b>Num</b> 6, 40M			es						E12	Num 502 / ( 5A1 [	CTG	40MN			E	
		(Units in	Cost El		0 units))							Fiscal Y	ear 2017											Fiscal Y	ear 2018						
					ACCEPT									C	alendar	Year 201	7								Calen	dar Year	2018				
O F C R O #	FY	y se	ERVICE	PROC QTY	PRIOR TO 1 OCT 2016	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	J U L	A U G	S E P	O C T	N O V	D E C	J A N	FEB	M A R	A P R	M A Y	N n c	T A L	O C >	S E P	B A L
LOAD	, ASS	SEMBLE	E, PACK (	(LAP)														,													
1	201	15 AR	RMY	.086	-	.086	-	-	-	-	-	-	-	-	.007	.007	.007	.007	.007	.007	.007	.007	.007	.007	.007	.007					-
·		·					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

Exhibit P-21, Production Schedule: PB 2015 Army		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 30	P-1 Line Item Number / Title: ER8001 / CTG, 40MM, All Types	Item Number / Title [DODIC]: E12502 / CTG 40MM PRACTICE M385A1 [B576]

			Produc	tion Rates (Each /	Month)				Procurement Le	adtime (Months)			
м	FR						Init	ial			Reo	rder	
- 1	Ref					ALT	ALT		Total	ALT	ALT		Total
	#	MFR Name - Location	MSR	1-8-5	MAX	Prior to Oct 1	After Oct 1	Mfg PLT	After Oct 1	Prior to Oct 1	After Oct 1	Mfg PLT	After Oct 1
	1	TO BE SELECTED - TBS01	.050	.320	.800	6	6	27	33	6	6	25	31

#### Remarks:

STATED CAPACITIES ARE SHARED ACROSS MULTIPLE 40MM HIGH VELOCITY CONFIGURATIONS.

The first non-gray cell 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 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).

Exhibit P-5, Cost Analysis: PB 2015 Army

Date: March 2014

Appropriation / Budget Activity / Budget Sub Activity:
2034A / 01 / 30

P-1 Line Item Number / Title:
ER8001 / CTG, 40MM, All Types

Item Number / Title [DODIC]:
E74315 / CTG 40MM PRAC, M918/

M385A1 [BA30]

				11100	o, (1 [B, (00]	
Resource Summary	Prior Years <sup>(+)</sup>	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total
Procurement Quantity (Units in Each)	27,265,000	1,152,424	450,067	1,060,197	-	1,060,197
Gross/Weapon System Cost (\$ in Millions)	735.445	25.000	13.679	30.181	-	30.181
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	735.445	25.000	13.679	30.181	-	30.181
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	735.445	25.000	13.679	30.181	-	30.181
(The following Resource Summary rows are for informati	onal purposes only. The cor	responding budget request	s are documented elsewher	re.)		
Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	26.97	21.69	30.39	28.47	-	28.47

<sup>\*</sup>The FY 2015 OCO Request will be submitted at a later date.

Budget Years Cost values do not sum to the represented total intentionally:

<sup>(+)</sup> Prior Years Cost Delta: 735.445 million

		F	Prior Years	;		FY 2013			FY 2014		FY	' 2015 Bas	se	FY	2015 OC	0	F۱	' 2015 Tota	al
Cost Elements	ID CD	Unit Cost	Qty (Each)	Total Cost (\$ M)															
Hardware Cost												'							
Recurring Cost																			
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		-	-	-	11.11	1,152,424	12.803	12.68	450,067	5.705	13.42	1,060,197	14.228	-	-	-	13.42	1,060,197	14.22
PROJ ASSY 40MM M918 <sup>(†)</sup>		-	-	-	12.98	808,137	10.490	15.42	318,706	4.914	15.12	743,463	11.241	-	-	-	15.12	743,463	11.24
PROJ BODY 40MM M385A1 <sup>(†)</sup>		-	-	-	4.58	372,521	1.706	4.93	145,484	0.717	5.02	342,708	1.720	-	-	-	5.02	342,708	1.72
Subtotal: Recurring Cost		-	-	-	-	-	24.999	-	-	11.339	-	-	27.189	-	-	-	-	-	27.18
Subtotal: Hardware Cost		-	-	-	- 1	-	24.999	-	-	11.339	-	-	27.189	-	-	-	-	-	27.18
Support Cost		·							,							,			
PRODUCTION ENGINEERING		-	-	-	-	-	-	-	-	2.215	-	-	2.855	-	-	-	-	-	2.85
QUALITY ASSURANCE		-	-	-	-	-	0.001	-	-	0.017	-	-	0.007	-	-	-	-	-	0.00
FIRST ARTICLE TEST		-	-	-	-	-	-	-	-	-	-	-	0.130	-	-	-	-	-	0.13
PROJECTILE FAT		-	-	-	-	-	-	-	-	0.111	-	-	-	-	-	-	-	-	-
Subtotal: Support Cost		-	-	-	- 1	-	0.001	-	-	2.343	-	-	2.992	-	-	-	-	-	2.99
Gross/Weapon System Cost		26.97	27,265,000	735.445	21.69	1,152,424	25.000	30.39	450,067	13.679	28.47	1,060,197	30.181	_	_	_	28.47	1,060,197	30.18

Exhibit P-5, Cost Analysis: PB 2015 Army		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 30	P-1 Line Item Number / Title: ER8001 / CTG, 40MM, All Types	Item Number / Title [DODIC]: E74315 / CTG 40MM PRAC, M918/ M385A1 [BA30]
(†) indicates the presence of a P-5a		

Exhibit P-5a, Procurement History and Planning: PB 2015 Army

Appropriation / Budget Activity / Budget Sub Activity:

2034A / 01 / 30

P-1 Line Item Number / Title:
ER8001 / CTG, 40MM, All Types

E74315 / CTG 40MM PRAC, M918/

Date 0 Method/Type Specs Date **RFP** Award С of First Avail Revision Issue Qty **Unit Cost Cost Elements** 0 FY **Contractor and Location Funding Vehicle** Location of PCO Date Delivery Now? Available Date (Each) AMTEC CORPORATION LOAD, ASSEMBLE, PACK (LAP)(†) 2013 C / FFP ROCK ISLAND ARSENAL. IL Mar 2013 Sep 2015 1,152,424 Υ 11.11 / JANESVILLE, WI AMTEC CORPORATION LOAD, ASSEMBLE, PACK (LAP)(†) 2014 C/FFP ROCK ISLAND ARSENAL. IL Mar 2014 Sep 2016 450.067 12.68 Υ / JANESVILLE, WI C / FFP LOAD, ASSEMBLE, PACK (LAP)(†) 2015 TO BE SELECTED / TBS01 ROCK ISLAND ARSENAL. IL Mar 2015 Nov 2017 1.060.197 13.42 Υ PROJ ASSY 40MM M918 ELITE CNC MACHINING 2013 C / FFP ROCK ISLAND ARSENAL. IL Jun 2013 Jun 2014 484,882 12.98 Υ INC / LARGO, FL PROJ ASSY 40MM M918 GTI SYSTEMS, INC C / FFP ROCK ISLAND ARSENAL, IL Jun 2013 Jun 2014 Υ 2013 323,255 12.98 / AUBURNDALE, FL PROJ ASSY 40MM M918 2014 TO BE SELECTED / TBS02 C / FFP ROCK ISLAND ARSENAL. IL Mar 2014 Jun 2015 318.706 15.42 Υ C/FFP PROJ ASSY 40MM M918 2015 TO BE SELECTED / TBS02 ROCK ISLAND ARSENAL. IL Mar 2015 Jun 2016 743.463 15.12 C/FFP AVASAR CORP. / MELBOURNE, FL Υ PROJ BODY 40MM M385A1 2013 ROCK ISLAND ARSENAL, IL Jun 2013 Jun 2014 223,513 4.58 GTI SYSTEMS, INC PROJ BODY 40MM M385A1 C / FFP 149.008 Υ 2013 ROCK ISLAND ARSENAL. IL Jun 2013 Jun 2014 4.58 I AUBURNDALE, FL Mar 2014 PROJ BODY 40MM M385A1 2014 TO BE SELECTED / TBS02 C/FFP ROCK ISLAND ARSENAL, IL Jun 2015 145,484 4.93 Υ PROJ BODY 40MM M385A1 2015 TO BE SELECTED / TBS02 C/FFP ROCK ISLAND ARSENAL, IL Mar 2015 Jun 2016 342,708 5.02 Υ

#### Remarks:

FY 2015 LAP will be part of the FY 2015 Systems Contract. FY 2015 M918 and M385 Projectiles will be part of the FY 2014 Projectile contract.

TYPE CLASSIFICATION DATE: 1985

M385A1 [BA30]

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

Exh	nibit	P-21, Pr	oduct	ion Sc	hedu	le: PE	3 201	5 Arm	y														Date	e: Ma	rch 20	)14							
		<b>riation</b> / 01 / 30	Budge	et Acti	vity /	Budg	get Su	ıb Ac	tivity	:	1				ber / //M, A								E74	Nun 315 / 35A1 [	CTG	40MN		OIC]: AC, M	918/				
	(l	Cost E Units in Millions	lements : (* = < 500	0 units))							Fiscal Y	ear 2013											Fiscal Y	ear 2014									
	ACCEPT											Calendar Year 2013													Calendar Year 2014								
O F C R O #	FY	SERVICE	PROC QTY	PRIOR TO 1 OCT 2012	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	N N	J U	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	J U L	A U G	S E P	B A L			
LOAI	D, ASSI	EMBLE, PACK	(LAP)																														
1	2013	ARMY	1.152	-	1.152						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.152			
1	2014	ARMY	.450	-	.450																		-	-	-	-	-	-		.450			
2	2015	ARMY	1.060	-	1.060																									1.060			
	O N D J C O E A T V C 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			

Exh	ibit	P-21, Pro	oducti	ion Sc	hedu	le: PE	3 201	5 Arm	ıy														Date	e: Mai	rch 20	)14						
		riation / 1 01 / 30	Budge	et Acti	vity /	Budç	get Su	ıb Ac	tivity	:	1			<b>Num</b> 6, 40N									E74	Num 315 / 35A1 [	CTG	40MN		OIC]: AC, M	918/			
	(L	Cost E Inits in Millions	lements (* = < 500	0 units))							Fiscal Y	ear 2015											Fiscal Y	ear 2016								
	ACCEPT										Calendar Year 2015													Calendar Year 2016								
0 F C R O #	FY	SERVICE	PROC QTY	PRIOR TO 1 OCT 2014	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	A U G	S E P	0 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		
LOAI	, ASSE	MBLE, PACK	(LAP)										,		,								,									
1	2013	ARMY	1.152	-	1.152	-	-	-	-	-	-	-	-	-	-	-	.288	-	-	.288	-	-	.288	-	-	.288				-		
1	2014	ARMY	.450	-	.450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.038	.413		
2	2015	ARMY	1.060	-	1.060						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.060		
·	O N D J C O E A T V C N									F E B	M A R	A P R	M A Y	J U N	J 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	J U L	A U G	S E P	B A L		

Ext	hik	bit P	P-21, Pro	oduct	ion Sc	hedu	le: PE	3 2015	5 Arm	y														Date	: Mar	ch 20	14				
	-	-	i <b>ation</b> / 1 01 / 30	Budge	et Acti	vity /	Budg	jet Su	ıb Ac	tivity:		1		Item / CTG											315 <i>1</i> (	CTG 4	40MN	<b>[DOD</b> 1 PRA	OIC]: AC, MS	918/	
		(Un	Cost El nits in Millions	lements (* = < 500	0 units))							Fiscal Y	ear 2017											Fiscal Ye	ar 2018						
					ACCEPT									C	alendar	Year 201	7								Calen	dar Year	2018				
O F C F O #	M								Α	F E B	M A M J J A S O N D J F M A P A U U U E C O E A E A R R Y N L G P T V C N B R									A P R	M A Y	J U	J U	A U G	S E P	B A L					
LOA	D, A	ASSEN	/BLE, PACK	(LAP)																		<u> </u>									
1	1 :	2013	ARMY	1.152	1.152	-																									-
1	1 :	2014	ARMY	.450	.038	.413	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038													Ì	-
2	2	2015	ARMY	1.060	-	1.060	-	-	-	-	-	-	-	-	-	-	-	-	-	.088	.088	.088	.088	.088	.088	.088	.088	.088	.088	.088	.088
						•	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	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	A U G	S E P	B A L

_																								7							
Ex	hik	oit P	-21, Pro	oducti	ion Sc	hedul	l <b>e:</b> PB	201	5 Arm	ny														Date	e: Ma	rch 20	014				
			<b>ation / I</b> 11 / 30	Budge	et Acti	vity /	Budg	et S	ub Ac	ctivity	:	1 -	<b>1 Line</b> 18001											E74	<b>Nun</b> 315 / 35A1 [	CTG	40MN		OIC]: AC, M	918/	
		(Un	Cost El its in Millions	ements (* = < 500	0 units))							Fiscal \	Year 2019	)										Fiscal Y	ear 2020						
					ACCEPT									C	alendar	Year 201	9								Caler	ndar Yea	r 2020				
0 C 0		FY	SERVICE	PROC QTY	PRIOR TO 1 OCT 2018	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	J J	A U G	S E P	O C T	N O V	D E C	N V	F E B	M A R	A P R	M A Y	N N	J J	A U G	S E P	B A L
LO	AD, A	ASSEN	IBLE, PACK	(LAP)																											
	1 :	2013	ARMY	1.152	1.152	-																									_
	1 :	2014	ARMY	.450	.450	-																									L-
	2	2015	ARMY	1.060	.972	.088	.088																								-
							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 J	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 L	A U G	S E P	B A L

Exhibit P-21, Production Schedule: PB 2015 Army

Appropriation / Budget Activity / Budget Sub Activity:
2034A / 01 / 30

P-1 Line Item Number / Title:
ER8001 / CTG, 40MM, All Types

ER8001 / CTG, 40MM, All Types

Date: March 2014

Item Number / Title [DODIC]:
E74315 / CTG 40MM PRAC, M918/
M385A1 [BA30]

		Produc	tion Rates (Each /	Month)	Procurement Leadtime (Months)												
MFR						lni	tial			Reo	rder						
Ref					ALT	ALT		Total	ALT	ALT		Total					
# MFR Name	- Location	MSR	1-8-5	MAX	Prior to Oct 1	After Oct 1	Mfg PLT	After Oct 1	Prior to Oct 1	After Oct 1	Mfg PLT	After Oct 1					
1 AMTEC CORPO	ORATION -																
JANESVILLE, V	VI	.020	.320	.800	6	6	32	38	6	6	30	36					
2 TO BE SELECT	ED - TBS01	.020	.320	.800	6	6	32	38	6	6	30	36					

#### Remarks:

STATED CAPACITIES ARE SHARED ACROSS MULTIPLE 40MM HIGH VELOCITY CONFIGURATIONS.

The first non-gray cell 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 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).