

# UNCLASSIFIED

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 50: Miscellaneous	<b>P-1 Line Item Nomenclature:</b> E91901 - Non-Lethal Ammunition, All Types
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<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>
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**MDAP/MAIS Code(s):**

Resource Summary	Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	446.737	14.864	7.336	7.366	-	7.366	9.362	1.119	2.232	0.800	-	489.816
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	446.737	14.864	7.336	7.366	-	7.366	9.362	1.119	2.232	0.800	-	489.816
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>446.737</b>	<b>14.864</b>	<b>7.336</b>	<b>7.366</b>	<b>-</b>	<b>7.366</b>	<b>9.362</b>	<b>1.119</b>	<b>2.232</b>	<b>0.800</b>	<b>-</b>	<b>489.816</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> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>Units in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>Units in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

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

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

## Description:

This budget line item procures Non-Lethal Ammunition, All Types.

E85101 The M240 fuze for the M84 stun hand grenade is a one-time use fuze assembled with a M102 reusable hand grenade body. Once assembled in the field, the device becomes an M102 Reloadable Stun Practice Hand Grenade (RSPHG) that is used to simulate the M84 Stun Grenade for training. This item is Code A, approved for service use.

E85115 The M102 Reusable Hand grenade Body is a re-useable practice body for the M84 Stun hand Grenade. Once assembled in the field with an M240 fuze, the device becomes an M102 Reusable Hand grenade Body that simulates the M84. This item is Code A, approved for service use.

E86401 Cartridge 12 Gauge Non-Lethal Extended Range Marking XM1116 is a low velocity cartridge fired from a standard, 3 inch chamber, manually operated shotgun. It utilizes a drag stabilized Bean Bag design with fluorescent green marking powder to deliver a strong, non-penetrating blow to the body. This cartridge has an effective range of approximately 5 to 50 meters. This item is Code B, not approved for service use.

E89001 Cartridge, 40 Millimeter Non-Lethal Extended Range Marking XM1091 is a low velocity cartridge fired from the M203 grenade launcher. It utilizes a plastic body and crushable foam nose with fluorescent green marking powder to deliver a strong, non-penetrating blow to the body. This cartridge has an effective range of approximately 15 to 75 meters. This item is Code B, not approved for service use.

E89002 Cartridge 40 Millimeter Airburst for M203 XM1112 is intended to have an effective range between 35 to 400 meters. It contains a proximity fuze with programmable option. It is intended to deliver multiple non-lethal effects: flash-blindness, temporary hearing shift, and heating. The XM1112 is intended to deliver consistent non-lethal effects regardless of range setting. It will have a user settable delay option for room clearing. It is fully compatible with existing 40 millimeter M203/M320 weapons platforms without any modifications. The XM1112 will deliver non-lethal effects lasting up to 1 minute. This item is Code B, not approved for service use.

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**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 50: Miscellaneous

**P-1 Line Item Nomenclature:**  
E91901 - Non-Lethal Ammunition, All Types

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

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

E89003 Cartridge 40 Millimeter, Non-Lethal XM1044 Blunt Impact provides a short range anti-personnel capability. It provides the capability of single to rapid fire with a maximum effective range of 100 meters for the MK-19. The cartridge is used by combat, combat support and combat service support organizations against ground troops in exposed positions, in extremely rugged terrain, military operations in urban terrain (MOUT), and other tactical scenarios. This item is Code B, not approved for service use.

E91505 Cartridge, Air Launched Electrode Device Single Shot is a 25-foot single shot fired from the Launched Electrode Stun Device (LESD), which is a hand held device used for Electro-Muscular Incapacitation (EMI). This cartridge is a conducted energy weapon that delivers an incapacitating electrical shock capable of arcing through 2 inches of clothing. Maximum effective range is 15 feet. This item is Code A, approved for service use.

E94700 Grenade, 66 Millimeter Vehicle Launched Non-Lethal Distraction M98 is an area target munition fired from the standard 66 millimeter grenade launcher. These rounds are shot from 80 to 100 meters and burst, delivering a flash bang diversionary warning effect. These munitions are not precision-delivered and are meant to affect large numbers of people at longer standoff ranges. This item is Code A, approved for service use.

E94800 Grenade, 66 Millimeter Vehicle Non-Lethal Blunt Trauma M99 is an area target munition that can be fired from the standard 66 millimeter grenade launcher. These rounds are designed to fire from 80 to 100 meters and burst, delivering a payload of rubber non-penetrating projectiles and affecting a large number of people at longer standoff ranges. This item is Code B, not approved for service use.

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M )	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M )	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M )	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M )	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M )	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M )
Fuze, Hand Grenade, M240 f/ M102 NL StunGren	P40A	A	-	-	-	-	-	1.221	-	-	-	-	-	-	-	-	-	-	-	-
Grenade, Hand,Body,PracticeStun(NL)Reloadable M102	P40A	A	-	-	-	-	-	0.266	-	-	-	-	-	0.368	-	-	-	-	-	0.368
CTG, 12 GA, NON-LETHAL, EXT RG, MARKING (XM1116)	P40A	B	-	-	-	-	-	1.010	-	-	-	-	-	-	-	-	-	-	-	-
CTG 40MM, NON-LETH, XM1044 BLUNT IMPACT F/ MK-19	P40A	B	-	-	-	-	-	1.995	368.09	2,407	0.886	-	-	-	-	-	-	-	-	-
CTG, NL FIRING DEVICE: TASER, XP25 f/X26E Taser	P40A	A	-	-	-	26.03	15,250	0.397	26.82	2,088	0.056	28.20	2,518	0.071	-	-	-	28.20	2,518	0.071
GRENADe, 66MM VEH LNCHD NON-LETH, DISTRACTION, M98	P40A	A	-	-	-	324.60	12,292	3.990	416.48	3,095	1.289	-	-	-	-	-	-	-	-	-
GRENADe, 66MM VEH LNCHD NON-LETH, BLUNT TRAUMA,M99	P40A	B	-	-	-	330.08	12,088	3.990	352.62	8,746	3.084	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Item Justification Sheet:</b> PB 2014 Army																<b>Date:</b> April 2013					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 50: Miscellaneous												<b>P-1 Line Item Nomenclature:</b> E91901 - Non-Lethal Ammunition, All Types									
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :						<b>Program Elements for Code B Items:</b>						<b>Other Related Program Elements:</b>									
<b>MDAP/MAIS Code(s):</b>																					
Item Schedule		ID CD	Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total			
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M )	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M )	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M )	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M )	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M )	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M )	
E89002 - CTG 40MM, NON-LETHAL, XM1112, TAC AIRBURST F/M-203 (BA39)	P5, P5A, P21	B	-	-	-	-	-	1.995	-	1,257	2.021	1,220.62	5,675	6.927	-	-	-	1,220.62	5,675	6.927	
<b>Total Gross/Weapon System Cost</b>					<b>446.737</b>			<b>14.864</b>			<b>7.336</b>			<b>7.366</b>			-			<b>7.366</b>	
<p>*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.</p> <p><b>Justification:</b>  FY 2014 Base procurement dollars in the amount of \$7.366 million supports production of three variants of Non-Lethal Ammunition.</p> <p>FY 2014 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.</p>																					

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<b>Exhibit P-5, Cost Analysis:</b> PB 2014 Army				<b>Date:</b> April 2013		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 50: Miscellaneous		<b>P-1 Line Item Nomenclature:</b> E91901 - Non-Lethal Ammunition, All Types			<b>Item Nomenclature (Item Number - Item Name, DODIC):</b> E89002 - CTG 40MM, NON-LETHAL, XM1112, TAC AIRBURST F/M-203 (BA39)	

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2012</b>	<b>FY 2013<sup>#</sup></b>	<b>FY 2014 Base</b>	<b>FY 2014 OCO<sup>##</sup></b>	<b>FY 2014 Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	1,257	5,675	-	5,675
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	1.995	2.021	6.927	-	6.927
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	-	1.995	2.021	6.927	-	6.927
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>1.995</b>	<b>2.021</b>	<b>6.927</b>	-	<b>6.927</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>Units in Dollars</i> )	-	-	-	1,220.62	-	1,220.62

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

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

<b>Cost Elements</b> († indicates the presence of a P-5A)	<b>ID CD</b>	<b>All Prior Years</b>			<b>FY 2012</b>			<b>FY 2013</b>			<b>FY 2014 Base</b>			<b>FY 2014 OCO</b>			<b>FY 2014 Total</b>		
		<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Quantity (Each)</b>	<b>Total Cost (\$ M)</b>
Hardware Cost																			
Recurring Cost																			
† COMPLETE ROUND		-	-	-	-	-	-	993.32	1,257	1.249	1,011.08	5,675	5.738	-	-	-	1,011.08	5,675	5.738
Total Recurring Cost				-			-			1.249			5.738			-			5.738
Total Hardware Cost				-			-			1.249			5.738			-			5.738
Support Cost																			
PRODUCTION ENGINEERING		-	-	-	-	-	1.995	-	-	0.772	-	-	1.189	-	-	-	-	-	1.189
PRODUCT IMPROVEMENT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Support Cost				-			1.995			0.772			1.189			-			1.189
<b>Gross Weapon System Cost</b>				-			<b>1.995</b>			<b>2.021</b>			<b>6.927</b>			-			<b>6.927</b>

**P-5 Remarks:**

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Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army									Date: April 2013			
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 50: Miscellaneous				P-1 Line Item Nomenclature: E91901 - Non-Lethal Ammunition, All Types					Item Nomenclature: E89002 - CTG 40MM, NON-LETHAL, XM1112, TAC AIRBURST F/M-203 (BA39)			
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†COMPLETE ROUND		2013	TO BE SELECTED / TBS01	C / FFP	PICATINNY ARSENAL, NJ	Mar 2013	Mar 2014	1,257	993.32			
†COMPLETE ROUND		2014	TO BE SELECTED / TBS01	C / FFP	PICATINNY ARSENAL, NJ	Mar 2015	Mar 2016	5,675	1,011.08			

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Exhibit P-21, Budget Production Schedule: PB 2014 Army																							Date: April 2013														
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 50: Miscellaneous										P-1 Line Item Nomenclature: E91901 - Non-Lethal Ammunition, All Types													Item Nomenclature: E89002 - CTG 40MM, NON-LETHAL, XM1112, TAC AIRBURST F/M-203 (BA39)														
Cost Elements (Units in Each)							Fiscal Year 2013													Fiscal Year 2014																	
O C C O	M F R #	FY	SERVICE±	PROC QTY	ACCEP PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013																		Calendar Year 2014												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																																					
	1	2013	ARMY	1,257	-	1,257	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	105	105	105	105	105	105	105	522			
	1	2014	ARMY	5,675	-	5,675	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,675				
							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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Exhibit P-21, Budget Production Schedule: PB 2014 Army																							Date: April 2013								
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 50: Miscellaneous											P-1 Line Item Nomenclature: E91901 - Non-Lethal Ammunition, All Types												Item Nomenclature: E89002 - CTG 40MM, NON-LETHAL, XM1112, TAC AIRBURST F/M-203 (BA39)								
Cost Elements (Units in Each)							Fiscal Year 2015												Fiscal Year 2016												
O C O	M F R #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015												Calendar Year 2016												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																															
	1	2013	ARMY	1,257	735	522	105	105	105	105	102																				-
	1	2014	ARMY	5,675	-	5,675	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	483	472	472	472	472	472	472	2,360
							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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Exhibit P-21, Budget Production Schedule: PB 2014 Army																							Date: April 2013										
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 50: Miscellaneous										P-1 Line Item Nomenclature: E91901 - Non-Lethal Ammunition, All Types													Item Nomenclature: E89002 - CTG 40MM, NON-LETHAL, XM1112, TAC AIRBURST F/M-203 (BA39)										
Cost Elements (Units in Each)							Fiscal Year 2017													Fiscal Year 2018													
O C O	M F R #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017													Calendar Year 2018													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																																	
	1	2013	ARMY	1,257	1,257	-																											-
	1	2014	ARMY	5,675	3,315	2,360	472	472	472	472	472																						-
							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, Budget Production Schedule:</b> PB 2014 Army		<b>Date:</b> April 2013
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 50: Miscellaneous	<b>P-1 Line Item Nomenclature:</b> E91901 - Non-Lethal Ammunition, All Types	<b>Item Nomenclature:</b> E89002 - CTG 40MM, NON-LETHAL, XM1112, TAC AIRBURST F/M-203 (BA39)

		Production Rates (Each / Month)			Procurement Leadtime (Months)							
MFR #	MFR Name - Location	MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	TO BE SELECTED - TBS01	50,000.00	50,000.00	100,000.00	8	8	15	23	6	6	12	18

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

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