

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition	P-1 Line Item Number / Title: E34000 / Grenades, All Types
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A	Item MDAP/MAIS Code(s): N/A
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	918.739	23.751	19.993	22.760	4.143	26.903	22.259	22.779	23.340	23.760	-	1,081.524
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	918.739	23.751	19.993	22.760	4.143	26.903	22.259	22.779	23.340	23.760	-	1,081.524
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	918.739	23.751	19.993	22.760	4.143	26.903	22.259	22.779	23.340	23.760	-	1,081.524

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

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

Description:

This budget line includes Grenades, All Types.

(E31900)FUZE GRENADE HAND PRAC M228

Fuze Grenade Hand Practice M228 is a pyrotechnic delay-igniting fuze (delay time of 4 to 5.5 seconds) for use with the M69 practice grenade body. The assembled grenade is identical in size, shape and weight to the M67 fragmentation hand grenade, and is used to learn and practice grenade throwing skills. The fuze contains a primer and a pyrotechnic delay column. A striker, striker spring, safety lever, safety pin with pull ring, safety clip, and igniter assembly are assembled to the body. This item is Code A, approved for service use.

(E32000)GRENADE HAND FRAG DELAY M67

Grenade Hand Fragmentation Delay M67 consists of a 2.5-inch diameter steel sphere that is designed to burst into numerous fragments when detonated. The grenade body is filled with 5.4 ounces of high explosive, Composition B. Each grenade is fitted with an M213 fuze that initiates the explosive charge 4 to 5.5 seconds after release of the safety lever. The M67 Hand Grenade provides the Warfighter with the capability to conduct pre-mobilization training and the capability to conduct close combat operations. This item is Code A, approved for service use.

(E34001)GRENADE HAND SMOKE GREEN M18

Grenade Hand Smoke Green M18 is used by the Warfighter for ground-to-air or ground-to-ground signaling while conducting training and combat operations. Each grenade will emit smoke for 50 to 90 seconds. The grenade body is made of thin sheet metal, filled with starter patches and a green smoke composition. The Hand Grenade Fuze M201A1 is a pyrotechnic delay-igniting fuze. The body contains a primer, first-fire mix, pyrotechnic delay column, and ignition mixture. Assembled to the body are a striker, striker spring, safety lever, and safety pin with pull ring. This item is Code A, approved for service use.

(E34002)GRENADE HAND SMOKE YELLOW M18

Grenade Hand Smoke Yellow M18 is used by the Warfighter for ground-to-air or ground-to-ground signaling while conducting training and combat operations. Each grenade will emit smoke for 50 to 90 seconds. The grenade body is made of thin sheet metal, filled with starter patches and a yellow smoke composition. The Hand Grenade Fuze M201A1 is a pyrotechnic delay-igniting fuze. The body contains a primer, first-fire mix, pyrotechnic delay column, and ignition mixture. Assembled to the body are a striker, striker spring, safety lever, and safety pin with pull ring. This item is Code A, approved for service use.

(E34003)GRENADE HAND SMOKE RED M18

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Exhibit P-40, Budget Line Item Justification: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition		P-1 Line Item Number / Title: E34000 / Grenades, All Types
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A	Item MDAP/MAIS Code(s): N/A	
<p>Grenade Hand Smoke Red M18 is used by the Warfighter for ground-to-air or ground-to-ground signaling while conducting training and combat operations. Each grenade will emit smoke for 50 to 90 seconds. The grenade body is made of thin sheet metal, filled with starter patches and a red smoke composition. The Hand Grenade Fuze M201A1 is a pyrotechnic delay-igniting fuze. The body contains a primer, first-fire mix, pyrotechnic delay column and ignition mixture. Assembled to the body are a striker, striker spring, safety lever, and safety pin with pull ring. This item is Code A, approved for service use.</p> <p>(E34004)GRENADE HAND SMOKE VIOLET M18 Grenade Hand Smoke Violet M18 is used by the Warfighter for ground-to-air or ground-to-ground signaling while conducting training and combat operations. Each grenade will emit smoke for 50 to 90 seconds. The grenade body is made of thin sheet metal, filled with starter patches and a violet smoke composition. The Hand Grenade Fuze M201A1 is a pyrotechnic delay-igniting fuze. The body contains a primer, first-fire mix, pyrotechnic delay column and ignition mixture. Assembled to the body are a striker, striker spring, safety lever, and safety pin with pull ring. This item is Code A, approved for service use.</p> <p>(E69300)GRENADE HAND SMOKE WHITE M83 Grenade Hand Smoke (White) M83 provides the Warfighter the capability to generate white smoke for screening activities while conducting small unit operations. It is also used for ground-to-air signaling. This grenade is the tactical replacement for the M8 HC Smoke Grenade, which was found to be carcinogenic. The duration of smoke screen or signal is 25 to 70 seconds, average burn time. The grenade body is a cylinder of thin sheet metal. It is filled with non-toxic smoke mixture topped with a starter patch. The Hand Grenade Fuze M201A1 is a pyrotechnic delay-igniting fuze. The body contains a primer, first-fire mix, pyrotechnic delay column, and ignition mixture. Assembled to the body are a striker, striker spring, safety lever, and safety pin with pull ring. This item is Code A, approved for service use.</p>		

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

Appropriation / Budget Activity / Budget Sub Activity:
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition

P-1 Line Item Number / Title:
E34000 / Grenades, All Types

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

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

Exhibits Schedule				Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E31900 / FUZE GRENADE HAND PRAC M228 [G878]		A	705,165 / 251.628	- / 2.532	- / 2.592	- / 2.502	- / -	- / 2.502
P-5	E32000 / GRENADE HAND FRAG DELAY M67 [G881]	P-5a, P-21	A	663,116 / 258.492	155,353 / 9.936	105,854 / 8.238	214,009 / 11.833	99,735 / 4.143	313,744 / 15.976
P-5	E34001 / GRENADE HAND SMOKE GREEN M18 [G940]		A	160,751 / 151.076	51,241 / 2.618	48,557 / 2.790	44,336 / 2.875	- / -	44,336 / 2.875
P-5	E34002 / GRENADE HAND SMOKE YELLOW M18 [G945]		A	106,746 / 77.883	46,449 / 2.450	29,596 / 1.800	26,911 / 1.836	- / -	26,911 / 1.836
P-5	E34003 / GRENADE HAND SMOKE RED M18 [G950]		A	33,374 / 41.072	14,639 / 0.821	- / -	- / -	- / -	- / -
P-5	E34004 / GRENADE HAND SMOKE VIOLET M18 [G955]		A	213,857 / 46.618	22,621 / 1.341	11,051 / 0.700	10,085 / 0.714	- / -	10,085 / 0.714
P-5	E69300 / GRENADE HAND SMOKE (WHITE) M83 [G982]		A	- / 91.970	101,896 / 4.053	83,051 / 3.873	52,542 / 3.000	- / -	52,542 / 3.000
P-40	Total Gross/Weapon System Cost			- / 918.739	- / 23.751	- / 19.993	- / 22.760	- / 4.143	- / 26.903

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

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

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

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

The FY 2017 Base procurement dollars in the amount of \$22.760 million supports procurement of six variants of Grenades.

The FY 2017 OCO includes \$4.143 million to support the COCOM requirement for ammunition to deter potential adversaries and support the European Reassurance Initiatives. The FY 2017 includes 1 variant of Grenades.

(E31900)FUZE GRENADE HAND PRAC M228
This is a training unique item not used in combat. FY 2017 procurement supports annual training and builds a depot level in accordance with Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$2.502 million supports the Recapitalization of 504,510 fuzes.

(E32000)GRENADE HAND FRAG DELAY M67
This is a training standard item used in both training and combat. FY 2017 procurement supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$11.833 million supports the procurement of 214,009 grenades. "The FY 2017 OCO includes \$4.134 million to support the COCOM requirement for unit equipment sets to deter potential adversaries and support the European Reassurance Initiative. The procurements include 99,735 Hand Frag Delay M67."

(E34001)GRENADE HAND SMOKE GREEN M18
This is a training standard item used in both training and combat. FY 2017 procurement supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$2.875 million supports the procurement of 44,336 grenades.

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Exhibit P-40, Budget Line Item Justification: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition		P-1 Line Item Number / Title: E34000 / Grenades, All Types
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A	Item MDAP/MAIS Code(s): N/A	
<p>(E34002)GRENADE HAND SMOKE YELLOW M18 This is a training standard item used in both training and combat. FY 2017 procurement supports annual training and builds war reserve inventory in accordance with Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$1.836 million supports the procurement of 26,911 grenades.</p> <p>(E34003)GRENADE HAND SMOKE RED M18 This is a training standard item used in both training and combat. The request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goal.</p> <p>(E34004)GRENADE HAND SMOKE VIOLET M18 This is a training standard item used in both training and in combat. FY 2017 procurement supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$0.714 million supports the procurement of 10,085 grenades.</p> <p>(E69300)GRENADE HAND SMOKE WHITE M83 This is a training standard item used in both training and combat. FY 2017 procurement supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2017 Base procurement dollars in the amount of \$3.000 million supports the procurement of 52,542 grenades.</p>		

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Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 47	P-1 Line Item Number / Title: E34000 / Grenades, All Types	Item Number / Title [DODIC]: E31900 / FUZE GRENADE HAND PRAC M228 [G878]

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity (Units in Each)	705,165	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	251.628	2.532	2.592	2.502	-	2.502
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	251.628	2.532	2.592	2.502	-	2.502
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	251.628	2.532	2.592	2.502	-	2.502

(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)	356.84	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
COMPLETE ROUND	-	-	251.628	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	251.628	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	251.628	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Product Improvement Cost																		
Safety	-	-	-	-	-	1.838	-	-	1.695	-	-	1.715	-	-	-	-	-	1.715
Subtotal: Support - Product Improvement Cost	-	-	-	-	-	1.838	-	-	1.695	-	-	1.715	-	-	-	-	-	1.715
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	0.689	-	-	0.894	-	-	0.787	-	-	-	-	-	0.787
Subtotal: Support - Production Engineering Cost	-	-	-	-	-	0.689	-	-	0.894	-	-	0.787	-	-	-	-	-	0.787
Support - Quality Assurance Cost																		
Quality Assurance	-	-	-	-	-	0.005	-	-	0.003	-	-	-	-	-	-	-	-	-
Subtotal: Support - Quality Assurance Cost	-	-	-	-	-	0.005	-	-	0.003	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	356.84	705,165	251.628	-	-	2.532	-	-	2.592	-	-	2.502	-	-	-	-	-	2.502

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Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 47	P-1 Line Item Number / Title: E34000 / Grenades, All Types	Item Number / Title [DODIC]: E32000 / GRENADE HAND FRAG DELAY M67 [G881]

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity <i>(Units in Each)</i>	663,116	155,353	105,854	214,009	99,735	313,744
Gross/Weapon System Cost <i>(\$ in Millions)</i>	258.492	9.936	8.238	11.833	4.143	15.976
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	258.492	9.936	8.238	11.833	4.143	15.976
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	258.492	9.936	8.238	11.833	4.143	15.976

(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>	389.81	63.96	77.82	55.29	41.54	50.92

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

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
COMPLETE GRENADE ^(f)	-	-	258.492	40.71	155,353	6.324	40.73	105,854	4.311	41.53	214,009	8.888	41.53	99,735	4.142	41.53	313,744	13.030
<i>Subtotal: Recurring Cost</i>	-	-	258.492	-	-	6.324	-	-	4.311	-	-	8.888	-	-	4.142	-	-	13.030
<i>Subtotal: Hardware Cost</i>	-	-	258.492	-	-	6.324	-	-	4.311	-	-	8.888	-	-	4.142	-	-	13.030
Support - Product Improvement Cost																		
Inensive Munitions	-	-	-	-	-	1.500	-	-	0.800	-	-	0.500	-	-	-	-	-	0.500
Reliability	-	-	-	-	-	-	-	-	0.800	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	-	-	-	1.500	-	-	1.600	-	-	0.500	-	-	-	-	-	0.500
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	2.103	-	-	2.321	-	-	2.438	-	-	-	-	-	2.438
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	2.103	-	-	2.321	-	-	2.438	-	-	-	-	-	2.438
Support - Quality Assurance Cost																		
Quality Assurance	-	-	-	-	-	0.009	-	-	0.006	-	-	0.007	-	-	0.001	-	-	0.008
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	-	-	-	0.009	-	-	0.006	-	-	0.007	-	-	0.001	-	-	0.008
Gross/Weapon System Cost	389.81	663,116	258.492	63.96	155,353	9.936	77.82	105,854	8.238	55.29	214,009	11.833	41.54	99,735	4.143	50.92	313,744	15.976

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Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 47	P-1 Line Item Number / Title: E34000 / Grenades, All Types	Item Number / Title [DODIC]: E32000 / GRENADE HAND FRAG DELAY M67 [G881]
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:
^(†) indicates the presence of a P-5a		

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Exhibit P-5a, Procurement History and Planning: PB 2017 Army							Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 47			P-1 Line Item Number / Title: E34000 / Grenades, All Types				Item Number / Title [DODIC]: E32000 / GRENADE HAND FRAG DELAY M67 [G881]				

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 GRENADE ^(†)		2015	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	C / FFP	ROCK ISLAND ARSENAL, IL	Dec 2015	Jun 2017	155,353	40.71	Y		
COMPLETE GRENADE ^(†)		2016	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2016	Sep 2017	105,854	40.73	Y		
COMPLETE GRENADE ^(†)		2017	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2017	Sep 2018	313,744	41.53	Y		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 47		P-1 Line Item Number / Title: E34000 / Grenades, All Types
		Item Number / Title [DODIC]: E32000 / GRENADE HAND FRAG DELAY M67 [G881]

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2016														Fiscal Year 2017										B A L A N C E					
O C C #	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				
COMPLETE GRENADE																																			
1	2015	ARMY	155.353	-	155.353		A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.000	30.000	30.000	20.000	65.353		
2	2016	ARMY	105.854	-	105.854																											10.000	95.854		
2	2016	AF (†)	2.091	-	2.091																											2.091	-		
2	2016	Total	107.945	-	107.945																											12.091	95.854		
2	2017	ARMY	313.744	-	313.744																												-	313.744	
2	2017	AF (†)	36.901	-	36.901																													-	36.901
2	2017	Total	350.645	-	350.645																													-	350.645
							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					

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Exhibit P-21, Production Schedule: PB 2017 Army												Date: February 2016											
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 47						P-1 Line Item Number / Title: E34000 / Grenades, All Types						Item Number / Title [DODIC]: E32000 / GRENADE HAND FRAG DELAY M67 [G881]											

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2018												Fiscal Year 2019												BALANCE	
O C C #	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
COMPLETE GRENADE																															
	1	2015	ARMY	155.353	90.000	65.353	30.000	30.000	5.353																				-		
	2	2016	ARMY	105.854	10.000	95.854	10.000	15.000	20.000	25.000	25.854																		-		
	2	2016	AF (+)	2.091	2.091	-	-	-	-	-	-																		-		
	2	2016	Total	107.945	12.091	95.854	10.000	15.000	20.000	25.000	25.854																	-			
	2	2017	ARMY	313.744	-	313.744	-	-	-	-	-	-	-	-	-	-	30.000	33.099	50.000	50.000	50.000	50.000	50.000	50.645					-		
	2	2017	AF (+)	36.901	-	36.901	-	-	-	-	-	-	-	-	-	-	20.000	16.901	-	-	-	-	-	-					-		
	2	2017	Total	350.645	-	350.645	-	-	-	-	-	-	-	-	-	-	50.000	50.000	50.000	50.000	50.000	50.000	50.645					-			
							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	

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Exhibit P-21, Production Schedule: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 47		P-1 Line Item Number / Title: E34000 / Grenades, All Types
Item Number / Title [DODIC]: E32000 / GRENADE HAND FRAG DELAY M67 [G881]		

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2017	1-8-5 For 2017	MAX For 2017	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	DAY & ZIMMERMANN LONE STAR - TEXARKANA, TX	30,000	50,000	100,000	8	8	18	26	6	6	18	24
2	TO BE SELECTED - TBS01	30,000	50,000	100,000	8	8	18	26	6	6	18	24

(‡) 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).

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Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 47	P-1 Line Item Number / Title: E34000 / Grenades, All Types	Item Number / Title [DODIC]: E34001 / GRENADE HAND SMOKE GREEN M18 [G940]

ID Code (A=Service Ready, B=Not Service Ready) : A				MDAP/MAIS Code:			
Resource Summary		Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity (<i>Units in Each</i>)		160,751	51,241	48,557	44,336	-	44,336
Gross/Weapon System Cost (<i>\$ in Millions</i>)		151.076	2.618	2.790	2.875	-	2.875
Less PY Advance Procurement (<i>\$ in Millions</i>)		-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)		151.076	2.618	2.790	2.875	-	2.875
Plus CY Advance Procurement (<i>\$ in Millions</i>)		-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)		151.076	2.618	2.790	2.875	-	2.875
<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>)		939.81	51.09	57.46	64.85	-	64.85

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

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Load, Assemble, Pack (Lap)	-	-	151.076	30.16	51,241	1.545	31.65	48,732	1.542	35.94	44,336	1.593	-	-	-	35.94	44,336	1.593
FUZE,HAND GRENADE M201	-	-	-	7.96	53,291	0.424	9.06	50,681	0.459	8.78	46,109	0.405	-	-	-	8.78	46,109	0.405
Grenade, Metal Parts Set	-	-	-	1.90	55,340	0.105	2.24	52,631	0.118	1.95	47,882	0.093	-	-	-	1.95	47,882	0.093
<i>Subtotal: Recurring Cost</i>	-	-	<i>151.076</i>	-	-	<i>2.075</i>	-	-	<i>2.119</i>	-	-	<i>2.092</i>	-	-	-	-	-	<i>2.092</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>151.076</i>	-	-	<i>2.075</i>	-	-	<i>2.119</i>	-	-	<i>2.092</i>	-	-	-	-	-	<i>2.092</i>
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	0.537	-	-	0.662	-	-	0.776	-	-	-	-	-	0.776
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	<i>0.537</i>	-	-	<i>0.662</i>	-	-	<i>0.776</i>	-	-	-	-	-	<i>0.776</i>
Support - Quality Assurance Cost																		
Quality Assurance	-	-	-	-	-	0.007	-	-	0.009	-	-	0.008	-	-	-	-	-	0.008
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	-	-	-	<i>0.007</i>	-	-	<i>0.009</i>	-	-	<i>0.008</i>	-	-	-	-	-	<i>0.008</i>
Gross/Weapon System Cost	939.81	160,751	151.076	51.09	51,241	2.618	57.46	48,557	2.790	64.85	44,336	2.875	-	-	-	64.85	44,336	2.875

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Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 47		P-1 Line Item Number / Title: E34000 / Grenades, All Types
		Item Number / Title [DODIC]: E34002 / GRENADE HAND SMOKE YELLOW M18 [G945]

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity (Units in Each)	106,746	46,449	29,596	26,911	-	26,911
Gross/Weapon System Cost (\$ in Millions)	77.883	2.450	1.800	1.836	-	1.836
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	77.883	2.450	1.800	1.836	-	1.836
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	77.883	2.450	1.800	1.836	-	1.836

(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)	729.61	52.75	60.82	68.22	-	68.22

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

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Load, Assemble, Pack (Lap)	-	-	77.883	32.86	46,449	1.526	34.48	29,696	1.024	38.88	26,911	1.046	-	-	-	38.88	26,911	1.046
FUZE,HAND GRENADE M201	-	-	-	7.96	48,307	0.385	9.06	30,884	0.280	8.78	27,987	0.246	-	-	-	8.78	27,987	0.246
Grenade, Metal Parts Set	-	-	-	1.90	50,165	0.095	2.24	32,072	0.072	1.95	29,063	0.057	-	-	-	1.95	29,063	0.057
<i>Subtotal: Recurring Cost</i>	-	-	<i>77.883</i>	-	-	<i>2.006</i>	-	-	<i>1.376</i>	-	-	<i>1.349</i>	-	-	-	-	-	<i>1.349</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>77.883</i>	-	-	<i>2.006</i>	-	-	<i>1.376</i>	-	-	<i>1.349</i>	-	-	-	-	-	<i>1.349</i>
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	0.436	-	-	0.414	-	-	0.480	-	-	-	-	-	0.480
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	<i>0.436</i>	-	-	<i>0.414</i>	-	-	<i>0.480</i>	-	-	-	-	-	<i>0.480</i>
Support - Quality Assurance Cost																		
Quality Assurance	-	-	-	-	-	0.008	-	-	0.010	-	-	0.007	-	-	-	-	-	0.007
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	-	-	-	<i>0.008</i>	-	-	<i>0.010</i>	-	-	<i>0.007</i>	-	-	-	-	-	<i>0.007</i>
Gross/Weapon System Cost	729.61	106,746	77.883	52.75	46,449	2.450	60.82	29,596	1.800	68.22	26,911	1.836	-	-	-	68.22	26,911	1.836

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Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 47		P-1 Line Item Number / Title: E34000 / Grenades, All Types
		Item Number / Title [DODIC]: E34003 / GRENADE HAND SMOKE RED M18 [G950]

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity (Units in Each)	33,374	14,639	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	41.072	0.821	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	41.072	0.821	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	41.072	0.821	-	-	-	-

(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)	1,230.66	56.08	-	-	-	-

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

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Load, Assemble, Pack (Lap)	-	-	41.072	35.37	14,639	0.518	-	-	-	-	-	-	-	-	-	-	-	-
FUZE,HAND GRENADE M201	-	-	-	7.96	15,225	0.121	-	-	-	-	-	-	-	-	-	-	-	-
Grenade, Metal Parts Set	-	-	-	1.90	15,810	0.030	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>41.072</i>	-	-	<i>0.669</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	<i>41.072</i>	-	-	<i>0.669</i>	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	0.141	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	<i>0.141</i>	-	-	-	-	-	-	-	-	-	-	-	-
Support - Quality Assurance Cost																		
Quality Assurance	-	-	-	-	-	0.011	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	-	-	-	<i>0.011</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	1,230.66	33,374	41.072	56.08	14,639	0.821	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 47		P-1 Line Item Number / Title: E34000 / Grenades, All Types
		Item Number / Title [DODIC]: E34004 / GRENADE HAND SMOKE VIOLET M18 [G955]

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity (Units in Each)	213,857	22,621	11,051	10,085	-	10,085
Gross/Weapon System Cost (\$ in Millions)	46.618	1.341	0.700	0.714	-	0.714
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	46.618	1.341	0.700	0.714	-	0.714
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	46.618	1.341	0.700	0.714	-	0.714

(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)	217.99	59.28	63.34	70.80	-	70.80

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

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Load, Assemble, Pack (Lap)	-	-	46.618	34.64	22,621	0.784	36.36	11,087	0.403	40.89	10,085	0.412	-	-	-	40.89	10,085	0.412
FUZE,HAND GRENADE M201	-	-	-	7.96	23,526	0.187	9.06	11,530	0.104	8.78	10,488	0.092	-	-	-	8.78	10,488	0.092
Grenade, Metal Parts Set	-	-	-	1.90	24,431	0.046	2.24	11,974	0.027	1.95	10,891	0.021	-	-	-	1.95	10,891	0.021
<i>Subtotal: Recurring Cost</i>	-	-	<i>46.618</i>	-	-	<i>1.017</i>	-	-	<i>0.534</i>	-	-	<i>0.526</i>	-	-	-	-	-	<i>0.526</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>46.618</i>	-	-	<i>1.017</i>	-	-	<i>0.534</i>	-	-	<i>0.526</i>	-	-	-	-	-	<i>0.526</i>
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	0.314	-	-	0.157	-	-	0.183	-	-	-	-	-	0.183
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	<i>0.314</i>	-	-	<i>0.157</i>	-	-	<i>0.183</i>	-	-	-	-	-	<i>0.183</i>
Support - Quality Assurance Cost																		
Quality Assurance	-	-	-	-	-	0.010	-	-	0.009	-	-	0.006	-	-	-	-	-	0.006
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	-	-	-	<i>0.010</i>	-	-	<i>0.009</i>	-	-	<i>0.006</i>	-	-	-	-	-	<i>0.006</i>
Gross/Weapon System Cost	217.99	213,857	46.618	59.28	22,621	1.341	63.34	11,051	0.700	70.80	10,085	0.714	-	-	-	70.80	10,085	0.714

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Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 47	P-1 Line Item Number / Title: E34000 / Grenades, All Types	Item Number / Title [DODIC]: E69300 / GRENADE HAND SMOKE (WHITE) M83 [G982]

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity (Units in Each)	-	101,896	83,051	52,542	-	52,542
Gross/Weapon System Cost (\$ in Millions)	91.970	4.053	3.873	3.000	-	3.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	91.970	4.053	3.873	3.000	-	3.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	91.970	4.053	3.873	3.000	-	3.000

(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)	-	39.78	46.63	57.10	-	57.10

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

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP)	-	-	-	20.17	101,896	2.055	21.17	83,445	1.767	25.34	52,542	1.331	-	-	-	25.34	52,542	1.331
FUZE,HAND GRENADE M201	-	-	-	7.96	105,972	0.844	9.06	86,783	0.786	8.78	54,643	0.480	-	-	-	8.78	54,643	0.480
GRENADE, METAL PARTS SET	-	-	-	1.90	110,048	0.209	2.24	90,121	0.202	1.95	56,745	0.111	-	-	-	1.95	56,745	0.111
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	3.108	-	-	2.755	-	-	1.922	-	-	-	-	-	1.922
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	3.108	-	-	2.755	-	-	1.922	-	-	-	-	-	1.922
Support - Acceptance Testing Cost																		
First Article Test	-	-	-	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	91.970	-	-	0.936	-	-	1.107	-	-	1.070	-	-	-	-	-	1.070
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	91.970	-	-	0.936	-	-	1.107	-	-	1.070	-	-	-	-	-	1.070
Support - Quality Assurance Cost																		
Quality Assurance	-	-	-	-	-	0.008	-	-	0.011	-	-	0.008	-	-	-	-	-	0.008
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	-	-	-	0.008	-	-	0.011	-	-	0.008	-	-	-	-	-	0.008

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Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 47	P-1 Line Item Number / Title: E34000 / Grenades, All Types	Item Number / Title [DODIC]: E69300 / GRENADE HAND SMOKE (WHITE) M83 [G982]
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

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

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Gross/Weapon System Cost	-	-	91.970	39.78	101,896	4.053	46.63	83,051	3.873	57.10	52,542	3.000	-	-	-	57.10	52,542	3.000