

UNCLASSIFIED

**Department of Defense
Fiscal Year (FY) 2017 Amended Budget Estimates**

November 2016



Army

*Justification Book of
Missile Procurement, Army*

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Department of the Army
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)
 Exhibit P-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)
 Total Obligational Authority
 (Dollars in Thousands)

04 Nov 2016

Appropriation -----	FY 2015 (Base & OCO) -----	FY 2016 Base Enacted -----	FY 2016 OCO Enacted -----	FY 2016 Total Enacted -----
Missile Procurement, Army	1,240,828	1,600,957	37,260	1,638,217
Total Department of the Army	1,240,828	1,600,957	37,260	1,638,217

Department of the Army
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 Total Obligational Authority
 (Dollars in Thousands)

04 Nov 2016

Appropriation	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total
-----	-----	-----	-----	-----
Missile Procurement, Army	1,519,966	632,817	46,500	2,199,283
Total Department of the Army	1,519,966	632,817	46,500	2,199,283

Department of the Army
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 (Dollars in Thousands)

04 Nov 2016

Appropriation: Missile Procurement, Army

Budget Activity -----	FY 2015 (Base & OCO) -----	FY 2016 Base Enacted -----	FY 2016 OCO Enacted -----	FY 2016 Total Enacted -----
02. Other Missiles	967,141	1,209,910	37,260	1,247,170
03. Modification of Missiles	226,868	347,304		347,304
04. Spares and Repair Parts	36,930	33,778		33,778
05. Support Equipment and Facilities	9,889	9,965		9,965
Total Missile Procurement, Army	1,240,828	1,600,957	37,260	1,638,217

Department of the Army
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)
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 Total Obligational Authority
 (Dollars in Thousands)

04 Nov 2016

Appropriation: Missile Procurement, Army

Budget Activity -----	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total
-----	-----	-----	-----	-----
02. Other Missiles	1,061,325	632,817	46,500	1,740,642
03. Modification of Missiles	418,085			418,085
04. Spares and Repair Parts	34,487			34,487
05. Support Equipment and Facilities	6,069			6,069
Total Missile Procurement, Army	1,519,966	632,817	46,500	2,199,283

Department of the Army
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)
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 Total Obligational Authority
 (Dollars in Thousands)

04 Nov 2016

Appropriation: 2032A Missile Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2015 (Base & OCO)		FY 2016 Base Enacted		FY 2016 OCO Enacted		FY 2016 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 02: Other Missiles											
Surface-to-Air Missile System											
1	Lower Tier Air and Missile Defense (AMD)	A		110,300		115,075				115,075	U
2	MSE Missile		108	532,605	112	514,946			112	514,946	U
3	INDIRECT FIRE PROTECTION CAPABILITY INC 2-I Advance Procurement (CY) C (FY 2017 for FY 2018) (M)										U
Air-To-Surface Missile System											
4	Hellfire Sys Summary	A	262	36,588	113	27,975	270	37,260	383	65,235	U
5	Joint Air-To-Ground MsIs (JAGM) Less: Advance Procurement (PY)										U U
6	Joint Air-To-Ground MsIs (JAGM) Advance Procurement (CY) C (FY 2016 for FY 2017) (M) C (FY 2017 for FY 2018) (M)					27,738 (27,738)				27,738 (27,738)	U
Anti-Tank/Assault Missile Sys											
7	Javelin (Aaws-M) System Summary		311	72,877	850	168,163			850	168,163	U
8	Tow 2 System Summary Less: Advance Procurement (PY)	A	1008	(50,368)	1704	(107,509) (-19,984)			1704	(107,509) (-19,984)	U U
				50,368		87,525				87,525	
9	Tow 2 System Summary Advance Procurement (CY) C (FY 2015 for FY 2016) (M) C (FY 2017 for FY 2018) (M)			19,984 (19,984)							U
10	Guided MLRS Rocket (GMLRS)		768	127,145	1866	251,060			1866	251,060	U

P-1C1A: Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO), as of November 4, 2016 at 11:15:41

Department of the Army
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)
 Exhibit P-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)
 Total Obligational Authority
 (Dollars in Thousands)

04 Nov 2016

Appropriation: 2032A Missile Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 OCO Amendment		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 02: Other Missiles											

Surface-to-Air Missile System											
1	Lower Tier Air and Missile Defense (AMD)	A		126,470						126,470	U
2	MSE Missile		85	423,201					85	423,201	U
3	INDIRECT FIRE PROTECTION CAPABILITY INC 2-I Advance Procurement (CY)			19,319						19,319	U
	C (FY 2017 for FY 2018) (M)			(19,319)						(19,319)	
Air-To-Surface Missile System											
4	Hellfire Sys Summary	A	155	42,013	4055	455,830			4210	497,843	U
5	Joint Air-To-Ground MsIs (JAGM)		324	(92,489)					324	(92,489)	U
	Less: Advance Procurement (PY)			(-27,738)						(-27,738)	U
				64,751						64,751	
6	Joint Air-To-Ground MsIs (JAGM) Advance Procurement (CY)			37,100						37,100	U
	C (FY 2016 for FY 2017) (M)										
	C (FY 2017 for FY 2018) (M)			(37,100)						(37,100)	
Anti-Tank/Assault Missile Sys											
7	Javelin (Aaws-M) System Summary		309	73,508	83	15,567			392	89,075	U
8	Tow 2 System Summary	A	595	(64,922)	815	(80,652)			1410	(145,574)	U
	Less: Advance Procurement (PY)										U
				64,922		80,652				145,574	
9	Tow 2 System Summary Advance Procurement (CY)			19,949						19,949	U
	C (FY 2015 for FY 2016) (M)										
	C (FY 2017 for FY 2018) (M)			(19,949)						(19,949)	
10	Guided MLRS Rocket (GMLRS)		1068	172,088	698	75,991			1766	248,079	U

P-1C1A: Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO), as of November 4, 2016 at 11:15:41

Department of the Army
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 Exhibit P-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)
 Total Obligational Authority
 (Dollars in Thousands)

04 Nov 2016

Appropriation: 2032A Missile Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2015 (Base & OCO)		FY 2016 Base Enacted		FY 2016 OCO Enacted		FY 2016 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
11	MLRS Reduced Range Practice Rockets (RRPR)		2994	17,274	1680	17,428			1680	17,428	U
12	LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)	A									U
Total Other Missiles				967,141		1,209,910		37,260		1,247,170	
Budget Activity 03: Modification of Missiles											

Modifications											
13	Patriot Mods			183,838		241,883				241,883	U
14	ATACMS MODS	A				20,119				20,119	U
15	GMLRS MOD	A				18,221				18,221	U
16	Stinger Mods			1,355		2,216				2,216	U
17	Avenger Mods			5,611		6,171				6,171	U
18	Itas/Tow Mods			19,676		19,576				19,576	U
19	MLRS Mods			10,380		35,970				35,970	U
20	Himars Modifications			6,008		3,148				3,148	U
Total Modification of Missiles				226,868		347,304				347,304	
Budget Activity 04: Spares and Repair Parts											

Spares and Repair Parts											
21	Spares and Repair Parts			36,930		33,778				33,778	U
Total Spares and Repair Parts				36,930		33,778				33,778	

Department of the Army
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)
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 Total Obligational Authority
 (Dollars in Thousands)

04 Nov 2016

Appropriation: 2032A Missile Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 OCO Amendment		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
11	MLRS Reduced Range Practice Rockets (RRPR)		1704	18,004					1704	18,004	U
12	LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)	A			10	4,777	535	46,500	545	51,277	U
Total Other Missiles				1,061,325		632,817		46,500		1,740,642	
Budget Activity 03: Modification of Missiles											

Modifications											
13	Patriot Mods			197,107						197,107	U
14	ATACMS MODS	A		150,043						150,043	U
15	GMLRS MOD	A		395						395	U
16	Stinger Mods										U
17	Avenger Mods			33,606						33,606	U
18	Itas/Tow Mods			383						383	U
19	MLRS Mods			34,704						34,704	U
20	Himars Modifications			1,847						1,847	U
Total Modification of Missiles				418,085						418,085	
Budget Activity 04: Spares and Repair Parts											

Spares and Repair Parts											
21	Spares and Repair Parts			34,487						34,487	U
Total Spares and Repair Parts				34,487						34,487	

Department of the Army
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 (Dollars in Thousands)

04 Nov 2016

Appropriation: 2032A Missile Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2015 (Base & OCO)		FY 2016 Base Enacted		FY 2016 OCO Enacted		FY 2016 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 05: Support Equipment and Facilities											
Support Equipment & Facilities											
22	Air Defense Targets			3,657		3,717				3,717	U
23	Items Less Than \$5.0m (Missiles)			1,522		1,544				1,544	U
24	Production Base Support			4,710		4,704				4,704	U
Total Support Equipment and Facilities				9,889		9,965				9,965	
Total Missile Procurement, Army				1,240,828		1,600,957		37,260		1,638,217	

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 (Dollars in Thousands)

04 Nov 2016

Appropriation: 2032A Missile Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 OCO Amendment		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 05: Support Equipment and Facilities											
Support Equipment & Facilities											
22	Air Defense Targets			4,915						4,915	U
23	Items Less Than \$5.0m (Missiles)										U
24	Production Base Support			1,154						1,154	U
Total Support Equipment and Facilities				6,069						6,069	
Total Missile Procurement, Army				1,519,966		632,817		46,500		2,199,283	

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

Appropriation / Budget Activity / Budget Sub Activity: 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/ Assault Missile Sys	P-1 Line Item Number / Title: C88001 / LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)
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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

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>)	-	-	-	-	535	535	-	-	-	-	-	535
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	-	51.277	51.277	-	-	-	-	-	51.277
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	-	-	51.277	51.277	-	-	-	-	-	51.277
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	-	51.277	51.277	-	-	-	-	-	51.277

(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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	95.845	95.845	-	-	-	-	-	95.845

Description:

Lethal Miniature Aerial Missile System (LMAMS) is a single man-portable/operable, light-weight organic, beyond line-of-sight, precision guided, loitering aerial missile system capable of locating and engaging obscured and/or fleeting enemy targets who otherwise cannot be engaged by typical direct fire weapon systems. Front and Side Look High Resolution Electro-Optical (day) and Front Look Infrared (night) cameras allow the Warfighter to have "eyes on" the target for positive identification. LMAMS' Wave-Off capability allows the operator to wave-off or re-direct the LMAMS flight path up to seconds prior to impact if necessary. The system is comprised of a fire control unit, launcher, missile, and a modular payload capable of high lethality against unprotected Combatant Personnel and Fractional Casualty against Personnel in Soft Skinned Vehicles. Pre-flight Component Assembly and Storage allows operation within a matter of minutes.

Secondary Distribution	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
Army									
Quantity	-	-	-	535	535	-	-	-	-
Total Obligation Authority	-	-	-	51.277	51.277	-	-	-	-
Total:									
Secondary Distribution									
Quantity	-	-	-	535	535	-	-	-	-
Total Obligation Authority	-	-	-	51.277	51.277	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity:
2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/
Assault Missile Sys **P-1 Line Item Number / Title:**
C88001 / LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)

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

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	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	C88022 / LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)	P-5a, P-21			- / -	- / -	- / -	- / -	535 / 51.277	535 / 51.277
P-40	Total Gross/Weapon System Cost				- / -	- / -	- / -	- / -	535 / 51.277	535 / 51.277

*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 Overseas Contingency Operations (OCO) dollars in the amount of \$4.777 million support the procurement of 10 fire control units, 10 training simulators, 10 battery chargers, and 50 inert training missiles, along with fielding and program management in order to support pre-deployment training and sustain the capability required by Joint Urgent Operational Needs Statement (JUONS) 0506 Mod 1.

 FY 2017 Overseas Contingency Operations (OCO) Amendment dollars in the amount of \$46.500 million support the additional procurement of 26 fire control units, 535 All Up Rounds, 26 fire control units, 26 training simulators, 36 battery chargers, 100 inert training missiles, and other support equipment, to include fielding and program management in order to support pre-deployment training and sustain the capability required by Joint Urgent Operational Need Statement (JUONS) CC-0556. JUONS 0556 requirements will be procured via competitive acquisition.6

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Exhibit P-5, Cost Analysis: PB Amended 2017 Army						Date: November 2016		
Appropriation / Budget Activity / Budget Sub Activity: 2032A / 02 / 30			P-1 Line Item Number / Title: C88001 / LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)			Item Number / Title [DODIC]: C88022 / LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)		
ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:		
Resource Summary			Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity (Units in Each)			-	-	-	-	535	535
Gross/Weapon System Cost (\$ in Millions)			-	-	-	-	51.277	51.277
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			-	-	-	-	51.277	51.277
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)			-	-	-	-	51.277	51.277
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)			-	-	-	-	95.845	95.845

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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
All Up Rounds ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	64.203	535	34.348	64.203	535	34.348
Inert Training Missiles	-	-	-	-	-	-	-	-	-	-	-	-	36.581	150	5.487	36.581	150	5.487
Training Simulators	-	-	-	-	-	-	-	-	-	-	-	-	28.430	36	1.023	28.430	36	1.023
Lot Acceptance Contractor Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.459	-	-	1.459
Fielding	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.220	-	-	2.220
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44.539	-	-	44.539
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44.539	-	-	44.539
Command and Launch Cost																		
Fire Control Units	-	-	-	-	-	-	-	-	-	-	-	-	26.579	36	0.957	26.579	36	0.957
Tactical Battery Chargers	-	-	-	-	-	-	-	-	-	-	-	-	3.863	46	0.178	3.863	46	0.178
Extended Training Batteries	-	-	-	-	-	-	-	-	-	-	-	-	3.925	50	0.196	3.925	50	0.196
Extended Training Battery Chargers	-	-	-	-	-	-	-	-	-	-	-	-	3.925	5	0.020	3.925	5	0.020
Piglet Launcher/Trainer	-	-	-	-	-	-	-	-	-	-	-	-	17.932	10	0.179	17.932	10	0.179
Catch Nets	-	-	-	-	-	-	-	-	-	-	-	-	8.368	10	0.084	8.368	10	0.084
Fielding	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.710	-	-	1.710
<i>Subtotal: Command and Launch Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.323	-	-	3.323

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Exhibit P-5, Cost Analysis: PB Amended 2017 Army		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 2032A / 02 / 30	P-1 Line Item Number / Title: C88001 / LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)	Item Number / Title [DODIC]: C88022 / LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.475	-	-	2.475
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.475	-	-	2.475
Support - Program Management Cost																		
Government Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.941	-	-	0.941
<i>Subtotal: Support - Program Management Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.941	-	-	0.941
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95.845	535	51.277	95.845 535 51.277

Secondary Distribution		FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Army	Quantity	-	-	-	535	535
	Total Obligation Authority	-	-	-	51.277	51.277
Total: Secondary Distribution	Quantity	-	-	-	535	535
	Total Obligation Authority	-	-	-	51.277	51.277

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

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Army							Date: November 2016					
Appropriation / Budget Activity / Budget Sub Activity: 2032A / 02 / 30			P-1 Line Item Number / Title: C88001 / LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)				Item Number / Title [DODIC]: C88022 / LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
All Up Rounds ^(†)	✓	2017	TBD / TBD	C / FFP	AMCOM, Redstone Arsenal, AL	Jul 2017	Mar 2018	535	64.203	N		

^(†) indicates the presence of a P-21

Remarks:
AMCOM - Aviation and Missile Command
FFP - Firm Fixed Price

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Exhibit P-21, Production Schedule: PB Amended 2017 Army																							Date: November 2016														
Appropriation / Budget Activity / Budget Sub Activity: 2032A / 02 / 30										P-1 Line Item Number / Title: C88001 / LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)										Item Number / Title [DODIC]: C88022 / LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)																	
Cost Elements <i>(Units in Each)</i>						Fiscal Year 2017												Fiscal Year 2018												B A L A N C E							
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017												Calendar Year 2018																		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P						
All Up Rounds																																					
✓	1	2017	ARMY	535	0	535											A	-	-	-	-	-	-	-	-	-	-	-	65	65	65	65	65	65	65	65	80
							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 Amended 2017 Army															Date: November 2016														
Appropriation / Budget Activity / Budget Sub Activity: 2032A / 02 / 30										P-1 Line Item Number / Title: C88001 / LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)										Item Number / Title [DODIC]: C88022 / LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)									

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2019										Fiscal Year 2020										BALANCE
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019										Calendar Year 2020										
							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	

All Up Rounds																														0
✓	1	2017	ARMY	535	455	80	65	15																						

							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 Amended 2017 Army		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 2032A / 02 / 30	P-1 Line Item Number / Title: C88001 / LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)	Item Number / Title [DODIC]: C88022 / LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)

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	TBD - TBD	50	55	65	0	535	0	535	0	535	0	535

"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).