## Department of Defense Fiscal Year (FY) 2014 President's Budget Submission

April 2013



## **Army**

Justification Book

Missile Procurement, Army

## MISSILE PROCUREMENT, ARMY

## **Appropriation Language**

For construction, procurement, production, modification, and modernization of missile equipment, including ordnance, ground handling Equipment, spare parts, and accessories therefore; specialized equipment and training devices; expansion of public and private plants, Including the land necessary therefore, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purpose, \$1,477,728 to remain available for obligation until September 30, 2016.

#### UNCL. ED

Department of the Army
FY 2014 President's Budget
Exhibit P-1 FY 2014 President's Budget
Total Obligational Authority
(Dollars in Thousands)

20 Mar 2013

Appropriation	FY 2012 (Base & OCO)	FY 2013 Base Request with CR Adj*	FY 2013 OCO Request with CR Adj*	Emergency Disaster Relief Act of 2013	FY 2013 Total Request with CR Adj*
Missile Procurement, Army	1,587,779	1,439,982	49,653		1,489,635
Total Department of the Army	1,587,779	1,439,982	40.000		-, 105,033
	,,,,,,	1,137,302	49,653		1,489,635

P-IC: FY 2014 President's Budget (Published Version), as of March 20, 2013 at 15:33:17

<sup>\*</sup> Reflects the FY 2013 President's Budget with an undistributed adjustment to match the Annualized Continuing Resolution funding level by appropriation.

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Department of the Army
FY 2014 President's Budget
Exhibit P-1 FY 2014 President's Budget
Total Obligational Authority
(Dollars in Thousands)

20 Mar 2013

Appropriation	FY 2014 Base
Missile Procurement, Army	1,334,083
Total Department of the Army	1,334,083

P-1C: FY 2014 President's Budget (Published Version), as of March 20, 2013 at 15:33:17

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#### Department of the Army FY 2014 President's Budget Exhibit P-1 FY 2014 President's Budget Total Obligational Authority (Dollars in Thousands)

20 Mar 2013

Budget Activity	FY 2012 (Base & OCO)	FY 2013 Base Request with CR Adj*	FY 2013 OCO Request with CR Adj*	Emergency Disaster Relief Act of 2013	FY 2013 Total Request with CR Adj*
02. Other Missiles	1,468,495	1,076,102	49,653		
03. Modification of Missiles	102,148	208,099	17,023		1,125,755
04. Spares and Repair Parts	6,960	7,864			208,099
05. Support Equipment and Facilities	10,176	10,624			7,864
20. Undistributed		137,293			10,624 137,293
Total Missile Procurement, Army	1,587,779	1,439,982	40 653		137,295
		41.23,302	49,653		1,489,635

P-1C: FY 2014 President's Eudget (Published Version), as of March 20, 2013 at 15:33:17

<sup>\*</sup> Reflects the FY 2013 President's Budget with an undistributed adjustment to match the Annualized Continuing Resolution funding level by appropriation.

#### UNCL. .ED

# Department of the Army FY 2014 President's Budget Exhibit P-1 FY 2014 President's Budget Total Obligational Authority (Dollars in Thousands)

20 Mar 2013

Appropriation: Missile Procurement, Army

Budget Activity	FY 2014 Base
02. Other Missiles	980,932
03. Modification of Missiles	331,366
04. Spares and Repair Parts	11,222
05. Support Equipment and Facilities	10,563
20. Undistributed	•
Total Missile Procurement, Army	1,334,083

P-1C: FY 2014 President's Budget (Published Version), as of March 20, 2013 at 15:33:17

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#### Department of the Army FY 2014 President's Budget Exhibit P-1 FY 2014 President's Budget Total Obligational Authority (Dollars in Thousands)

20 Mar 2013

Line No Item Nomenclature	Ident Code		FY 2012 Base & OCO)	Ba	FY 2013 se Request th CR Adj* ity Cost	oco wit	Y 2013 Request h CR Adj*	Emerge Disas Relief A 201	ster Act of .3	Tot	FY 2013 al Request th CR Adj*	s e
						Quanti		Quantity	Cost	Quant	ity Cost	
Budget Activity 02: Other Missiles											<u></u>	-
Surface-to-Air Missile System												
1 Patriot System Summary	A	84	662,231	84	646,590							
2 MSE Missile			74,953		12 050					84	646,590	U
Air-To-Surface Missile System			11,200		12,850						12,850	U
3 Hellfire Sys Summary	A	907	108,966		1,401	161	29,100					
Anti-Tank/Assault Missile Sys							45,100			161	30,501	U
4 Javelin (Aaws-M) System Summary		710	172,502	400	81,121					400	81,121	
5 Tow 2 System Summary Less: Advance Procurement (PY)	A	802	(95,296) (-48,355)	1403	(84,598) (-19,886)					1403	(84,598)	U
			46,941		64,712						(-19,886)	
6 Tow 2 System Summary Advance Procurement (CY)											64,712	
• •			19,886		19,931						19,931	U
7 Guided MLRS Rocket (GMLRS)		3194	333,167	1608	218,679	186	20,553			1794	239,232	U
8 MLRS Reduced Range Practice Rockets (RRPR)		2370	18,175	2430	18,767					2430	18,767	
9 High Mobility Artillery Rocket System			31,674		12,051						12.051	fı
Total Other Missiles			1,468,495		1,076,102		49,653				1,125,755	

P-1C: FY 2014 President's Budget (Published Version), as of March 20, 2013 at 15:33:17

<sup>\*</sup> Reflects the FY 2013 President's Budget with an undistributed adjustment to match the Annualized Continuing Resolution funding level

#### UNCL ED

# Department of the Army FY 2014 President's Budget Exhibit P-1 FY 2014 President's Budget Total Obligational Authority (Dollars in Thousands)

Appropriation: 2032A Missile Procurement, Army

Line No Item Nomenclature	Ident Code		FY 2014 Base ity Cost	s e c
Budget Activity 02: Other Missiles				_
Surface-to-Air Missile System				
1 Patriot System Summary	A			U
2 MSE Missile		56	540,401	U
Air-To-Surface Missile System				
3 Hellfire Sys Summary	A		4,464	U
Anti-Tank/Assault Missile Sys		·		
4 Javelin (Aaws-M) System Summary		449	110,510	U
5 Tow 2 System Summary Less: Advance Procurement (PY)	A	988	(69,285) (-19,931)	
			49,354	
6 Tow 2 System Summary Advance Procurement (CY)			19,965	U
7 Guided MLRS Rocket (GMLRS)		1788	237,216	U
8 MLRS Reduced Range Practice Rockets (RRPR)		2412	19,022	Ū
9 High Mobility Artillery Rocket System				U
Total Other Missiles			980,932	

P-1C: FY 2014 President's Budget (Published Version), as of March 20, 2013 at 15:33:17

20 Mar 2013

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## Department of the Army FY 2014 President's Budget Exhibit P-1 FY 2014 President's Budget Total Obligational Authority (Dollars in Thousands)

20 Mar 2013

Line No Budget	Item Nomenclature	Code Quan	•	FY 2013  Base Request  with CR Adj*  Quantity Cost	FY 2013 OCO Request with CR Adj* Quantity Cost	Emergency Disaster Relief Act of 2013 Quantity Cost	FY 2013 Total Request with CR Adj* Quantity Cost	
	ications							
10 Pa	triot Mods		68,665	199,565			199,565	<b>T</b> T
11 St	inger Mods			•			199,303	
12 It	as/Tow Mods		13,577					U
13 ML	RS Mods		8,236	2,466			2,466	
14 Hi	mars Modifications		11,670	6,068			6,068	
Total 1	Modification of Missiles		102,148	208,099			208,099	Ü
	Activity 04: Spares and Repairs and Repair Parts	Parts		•				
15 Spa	ares and Repair Parts		6,960	7,864			7,864	TT
Total 8	Spares and Repair Parts		6,960	7,864		·	7,864	Ŭ
Budget	Activity 05: Support Equipment	and Facilities					7,004	
Suppor	rt Equipment & Facilities							
16 Ai	r Defense Targets		3,674	3,864			3,864	ΤT
17 It	ems Less Than \$5.0m (Missiles)		1,459	1,560			1,560	
18 Pro	oduction Base Support		5,043	5,200		•	5,200	
Total S	Support Equipment and Facilities		10,176	10,624	~ <b></b> -	<del></del>	10,624	•

P-1C: FY 2014 President's Budget (Published Version), as of March 20, 2013 at 15:33:17

<sup>\*</sup> Reflects the FY 2013 President's Budget with an undistributed adjustment to match the Annualized Continuing Resolution funding level by appropriation.

#### UNCLA ED

# Department of the Army FY 2014 President's Budget Exhibit P-1 FY 2014 President's Budget Total Obligational Authority (Dollars in Thousands)

20 Mar 2013

	Item Nomenclature  Activity 03: Modification of Missi		FY 201 Base Quantity	Cost	С
	triot Mods		2.5		
	inger Mods			6,438	
	as/Tow Mods			7,252	
	RS Mods			0,000	
	mars Modifications		•	1,57 <b>1</b> 6,105	
Total t	Modification of Missiles		33	1,366	
	Activity 04: Spares and Repair Par	ts			
Spares	s and Repair Parts				
15 Spa	ares and Repair Parts		1	1,222	U
Total S	Spares and Repair Parts		1	1,222	
Budget	Activity 05: Support Equipment and	Facilitie	es		
Suppor	rt Equipment & Facilities				
16 Air	r Defense Targets			3,530	U
17 Ite	ems Less Than \$5.0m (Missiles)			1,748	υ
18 Pro	oduction Base Support			5,285	U
Total 8	Support Equipment and Facilities		1	0,563	
P-1C: 1	7Y 2014 President's Budget (Published	d Version	, as of Mar	ch 20,	2013 at 15:33:

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## Department of the Army FY 2014 President's Budget Exhibit P-1 FY 2014 President's Budget Total Obligational Authority (Dollars in Thousands)

20 Mar 2013

Line No Item Nomenclature Budget Activity 20: Undistributed	Ident Code	FY 2012 (Base & OCO) Quantity Cost	FY 2013  Base Request  with CR Adj*  Quantity Cost	FY 2013 OCO Request with CR Adj* Quantity Cost	Emergency Disaster Relief Act of 2013 Quantity Cost	FY 2013  Total Request S  with CR Adj * e  Quantity Cost c
Undistributed						
19 Adj to Match Continuing Resolution	A		137,293			127 002
Total Undistributed			137,293			137,293 U
Total Missile Procurement, Army		1,587,779		•••	~	137,293
,		1,301,119	1,439,982	49,653		1,489,635

P-IC: FY 2014 President's Budget (Published Version), as of March 20, 2013 at 15:33:17

<sup>\*</sup> Reflects the FY 2013 President's Budget with an undistributed adjustment to match the Annualized Continuing Resolution funding level by appropriation.

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## Department of the Army FY 2014 President's Budget Exhibit P-1 FY 2014 President's Budget Total Obligational Authority (Dollars in Thousands)

20 Mar 2013

Appropriation: 2032A Missile Procurement, Army

		FY 20	14	8
Line	Ident	Bas	e	е
No Item Nomenclature	Code	Quantity	Cost	c
				-
Budget Activity 20: Undistributed				
Undistributed				
19 Adj to Match Continuing Resolution	A			U
Total Undistributed		<b></b>	<b></b>	
Total Missile Procurement, Army		1,3	34,083	

P-1C: FY 2014 President's Budget (Published Version), as of March 20, 2013 at 15:33:17

Army • President's Budget Submission FY 2014 • Procurement

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## **Line Item Table of Contents (by Appropriation then Line Number)**

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3	02	20	C70000	Hellfire Sys Summary	18
4	02	30	CC0007	Javelin (AAWS-M) System Summary	27
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## Appropriation 2032A: Missile Procurement, Army

Line #	ВА	BSA	Line Item Number	Line Item Title	Page
11	03	10	C50700	Patriot Mods	74

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### Appropriation 2032A: Missile Procurement, Army

Line #	ВА	BSA	Line Item Number	Line Item Title	Page
12	03	10	C20000	Stinger Mods	93
13	03	10	C61700	ITAS/TOW Mods	98
14	03	10	C67500	MLRS Mods	103
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## Appropriation 2032A: Missile Procurement, Army

Line #	ВА	BSA	Line Item Number	Line Item Title	Page
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## Appropriation 2032A: Missile Procurement, Army

Line #	ВА	BSA	Line Item Number	Line Item Title	Page
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18	05	10	CL2000	Items Less Than \$5.0m (Missiles)	129
19	05	10	CA0100	Production Base Support	133

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## Line Item Table of Contents (Alphabetically by Line Item Title)

Line Item Title	Line Item Number	Line #	ВА	BSA Page
Air Defense Targets	C93000	17	05	10 127
Guided MLRS Rocket (GMLRS)	C64400	7	02	30 50
HIMARS Modifications	C67501	15	03	10 118
Hellfire Sys Summary	C70000	3	02	20 18
High Mobility Artillery Rocket System (HIMARS)	C02901	9	02	30 69
ITAS/TOW Mods	C61700	13	03	10 98
Items Less Than \$5.0m (Missiles)	CL2000	18	05	10 129
Javelin (AAWS-M) System Summary	CC0007	4	02	30 27
MLRS Mods	C67500	14	03	10 103
MLRS Reduced Range Practice Rockets (RRPR)	C65405	8	02	30 60
MSE Missile	C53101	2	02	10 9
Patriot Mods	C50700	11	03	10 74
Patriot System Summary	C49100	1	02	10 1
Production Base Support	CA0100	19	05	10 133
Spares And Repair Parts	CA0250	16	04	10 125
Stinger Mods	C20000	12	03	10 93
TOW 2 System Summary	C59300	5	02	30 37

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Line Item Title	Line Item Number	Line #	BA	BSA	Page
TOW 2 System Summary	C59300	6	02	30	46

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

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-To-Air C49100 - Patriot System Summary Missile System

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

Program Elements for Code B Items:

Other Related Program Elements: 0605456A, 0604865A,

0603869A, 0214400A, 0214401A, 0607865A

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 (Units in Each)	1,182	88	84	-	-	-	-	-	-	-	-	1,354
Gross/Weapon System Cost (\$ in Millions)	9,447.237	662.231	646.590	-	-	-	-	-	-	-	-	10,756.058
Less PY Advance Procurement (\$ in Millions)	123.343	-	-	-	-	-	-	-	-	-	-	123.343
Net Procurement (P1) (\$ in Millions)	9,323.894	662.231	646.590	-	-	-	-	-	-	-	-	10,632.715
Plus CY Advance Procurement (\$ in Millions)	123.343	-	-	-	-	-	-	-	-	-	-	123.343
Total Obligation Authority (\$ in Millions)	9,447.237	662.231	646.590	-	-	-	-	-	-	-	-	10,756.058
	(The following	g Resource Sum	mary rows are fo	or informational p	ourposes only. Ti	he corresponding	g budget request	s are documente	ed elsewhere.)	•		
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Gross/Weapon System Unit Cost 7,992.586 7,525.352 7,697.500 7.944 (Units in Thousands)

#### Description:

PATRIOT is an advanced Surface-to-Air guided missile system with a high probability of kill, capable of operation in the presence of Electronic Countermeasures (ECM) and able to conduct multiple simultaneous engagements against high performance air breathing targets and ballistic missiles likely to be encountered by U.S. Forces. The system utilizes a multifunction Phased Array Radar, a digital computer controlling system function, a guidance system combining command and homing (track-via-missile) features, and provides the operator the ability to control operations. The system integrates with the U.S. Air Force and U.S. Navy in the overall air defense theater operations (migrating to an integrated architecture). The PATRIOT Advanced Capability 3 (PAC-3) program is a result of a series of integrated. phased system improvements in combination with the PAC-3 missile, which uses hit-to-kill technology. Radar enhancements, communications upgrades, and increased command, control, and computer capability (with IAMD integration) will increase PATRIOT's effectiveness, survivability, flexibility of defense design, footprint, and detection of smaller low radar cross section targets.

Seco	ndary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	88	84	-	-	-	-	-	-	-
	Total Obligation Authority	662.231	646.590	-	-	-	-	-	-	-

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<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

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army Date: April 2013 Appropriation / Budget Activity / Budget Sub Activity: P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-To-Air C49100 - Patriot System Summary

Missile System

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

**Program Elements for Code B Items:** 

Other Related Program Elements: 0605456A, 0604865A, 0603869A, 0214400A, 0214401A, 0607865A

MDAP/MAIS Code(s):

Item Sche	edule		Р	rior Year	's	FY 2012				FY 2013		FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost
C49200 - PATRIOT PAC-3	P5, P5A, P21	А	7,992.586	-	9,447.237	7,525.352	88	662.231	7,697.500	84	646.590	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost					9,447.237			662.231			646.590			-			-			-

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P48 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

#### Justification:

There is no funding requested in FY14.

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Exhibit P-5, Cost Analysis: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:
2032A: Missile Procurement, Army / BA 02: Other Missiles /
BSA 10: Surface-To-Air Missile System

Date: April 2013

Item Nomenclature (Item Number - Item Name, DODIC):
C49100 - Patriot System Summary
C49200 - PATRIOT PAC-3

Resource Summary	Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO##	FY 2014 Total
Procurement Quantity (Units in Each)	-	88	84	-	-	-
Gross/Weapon System Cost (\$ in Millions)	9,447.237	662.231	646.590	-	-	-
Less PY Advance Procurement (\$ in Millions)	123.343	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	9,323.894	662.231	646.590	-	-	-
Plus CY Advance Procurement (\$ in Millions)	123.343	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	9,447.237	662.231	646.590	-	-	-

(The following Resource Sum	mary rows are for information	onal purposes only. The cor	responding budget requests	s are documented elsewhe	re.)	
Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (Units in Thousands)	7,992.586	7,525.352	7,697.500	-	-	-

<sup>&</sup>lt;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

		Al	I Prior Yea	rs		FY 2012			FY 2013		F'	/ 2014 Bas	se	F	2014 OC	0	F	/ 2014 Tot	al
Cost Elements († indicates the presence of a P-5A)	ID CD	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost																			
Recurring Cost																			
† Missile Hardware		1,110.000	7,292	8,094.619	3,434.000	88	302.200	3,846.000	84	323.100	-	-	-	-	-	-	-	-	-
Field Surveillance		-	-	160.870	-	-	30.000	-	-	30.000	-	-	-	-	-	-	-	-	-
PAC-3 Missile Support Center (P3MSC)		-	-	-	-	-	37.400	-	-	16.400	-	-	-	-	-	-	-	-	-
Obsolescence		-	-	100.019	-	-	31.989	-	-	20.000	-	-	-	-	-	-	-	-	-
Tooling/Maintenance		-	-	2.700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Initial Production Facilitization		-	-	57.288	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Enhanced Launcher Electronic System		1,811.000	8	14.490	3,822.000	36	137.592	3,294.000	38	125.172	-	-	-	-	-	-	-	-	-
Electric Power Plants		-	-	322.050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Limited User Testing		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contractor Engineering		-	-	172.694	-	-	51.681	-	-	54.634	-	-	-	-	-	-	-	-	-
Government/Software Engineering		-	-	123.183	-	-	25.841	-	-	29.158	-	-	-	-	-	-	-	-	-
Sys Engrg/Proj Mgmt (SEPM)		-	-	114.904	-	-	18.457	-	-	19.511	-	-	-	-	-	-	-	-	-
Integrated Logistics Support		-	-	9.099	-	-	15.997	-	-	16.909	-	-	-	-	-	-	-	-	-
Depot Maint Plant Equipment (DMPE)		-	-	65.321	-	-	1.230	-	-	1.301	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 02: Other Missiles /
BSA 10: Surface-To-Air Missile System

Date: April 2013

Item Nomenclature (Item Number - Item Name, DODIC):
C49100 - Patriot System Summary

C49200 - PATRIOT PAC-3

		Al	l Prior Yea	ars		FY 2012			FY 2013		F`	Y 2014 Bas	se	F`	Y 2014 OC	0	F	Y 2014 Tot	al
Cost Elements († indicates the presence of a P-5A)	ID CD	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)
Fielding		-	-	-	-	-	9.844	-	-	10.405	-	-	-	-	-	-	-	-	-
Total Recurring Cost				9,237.237			662.231			646.590			-			-			-
Total Flyaway Cost				9,237.237			662.231			646.590			-			-			-
Gross Weapon System Cost				9,447.237			662.231			646.590			-			-			_

#### P-5 Remarks:

Seco	ondary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Army	Quantity	88	84	-	-	-
	Total Obligation Authority	662.231	646.590	-	-	-

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Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army

Date: April 2013

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

Item Nomenclature:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-To-Air Missile System

C49100 - Patriot System Summary

C49200 - PATRIOT PAC-3

Cost Elements († indicates the presence of a P-21)	0 0	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
†Missile Hardware		2012	LMMFC / Dallas, TX	SS / FFP	AMCOM	Jan 2012	Aug 2013	88	3,434.000	N		Mar 2011
†Missile Hardware		2013	LMMFC / Dallas, TX	SS / FFP	AMCOM	Dec 2012	Aug 2014	84	3,846.000	N		Mar 2012

#### Remarks:

LMMFC - Lockheed Martin Missiles and Fire Control

SS - Sole Source

FFP - Firm Fixed Price

AMCOM - US Army Aviation and Missile Command

MDAP: 148

Exhibit P-21, Budget Production Schedule: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:
2032A: Missile Procurement, Army / BA 02: Other Missiles /
BSA 10: Surface-To-Air Missile System

Date: April 2013

Item Nomenclature:
C49200 - PATRIOT PAC-3

			Cost Elem (Units in E									Fiscal Y	ear 2012											Fiscal Y	ear 2013						
					ACCEP									С	alendar	Year 201	2								Caler	ndar Year	r 2013				
0	M F R #	FY	SERVICE <sup>‡</sup>	PROC QTY	PRIOR TO 1 OCT 2011	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	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	J U	A U G	S E P	B A L
Missi	ile Ha	ardware																													
All Pi	rior Y	ears De	liveries: 1182	2																											
1		2012	ARMY	88	-	88	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	20	48
1		2012	◆ FMS	154	-	154	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	154
1		2012	TOTAL	242	-	242	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	20	202
1		2013	ARMY	84	-	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Α -	-	-	-	-	-	-	-	-	-	84
1		2013	◆ FMS	100	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100
1		2013	TOTAL	184	-	184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	184
	•						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	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	U U	A U G	S E P	B A L

LI C49100 - Patriot System Summary Army

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P-1 Line #1

Exhibit P-21, Budget Production Schedule: PB 2014 Army Date: April 2013 Appropriation / Budget Activity / Budget Sub Activity: P-1 Line Item Nomenclature: Item Nomenclature: 2032A: Missile Procurement, Army / BA 02: Other Missiles / C49100 - Patriot System Summary C49200 - PATRIOT PAC-3 BSA 10: Surface-To-Air Missile System Cost Elements Fiscal Year 2014 Fiscal Year 2015 (Units in Each) ACCEP Calendar Year 2014 Calendar Year 2015 PRIOR BAL М 0 C 0 F DUE В TO 1 0 PROC OCT С Е Ε A R P R Ü U С 0 U Ü U E AS OF 0 V A Y U Е Е A N Ε A R Ρ A L A N FY SERVICE<sup>‡</sup> QTY R # 2013 1 OCT G Ν Missile Hardware All Prior Years Deliveries: 1182 2012 ARMY 88 40 48 22 22 4 ◆ FMS 154 154 14 20 20 20 20 20 20 20 1 2012 2012 TOTAL 40 202 22 22 18 20 20 20 20 20 20 20 2013 ARMY 1 84 84 8 12 12 12 12 12 1 • FMS 100 100 32 36 32 2013 -------1 TOTAL 184 184 12 12 12 12 12 32 36 32 0 М Α A U 0 D Α A U В E Ē Č Ū Ē A U 0 Е Α Е Α Α U Е Α Α Α U R R R G

> **UNCLASSIFIED** Page 7 of 8

P-1 Line #1

Exhibit P-21, Budget Production Schedule: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 02: Other Missiles /
BSA 10: Surface-To-Air Missile System

Date: April 2013

Item Nomenclature:
C49100 - PATRIOT PAC-3

		Product	tion Rates (Each /	Month)				Procurement Lea	adtime (Months)			
						Init	ial			Reo	rder	
MFF	8				ALT Prior			Total After	ALT Prior			Total After
#	MFR Name - Location	MSR	1-8-5	MAX	to Oct 1	ALT After Oct 1	Mfg PLT	Oct 1	to Oct 1	ALT After Oct 1	Mfg PLT	Oct 1
1	LMMFC - Dallas, TX	72.00	240.00	360.00	2	4	25	29	6	3	22	25

#### Remarks:

FY12 154 = Taiwan FMS Case (154 PAC-3 Missiles) FY13 40 = Taiwan FMS Case (40 PAC-3 Missiles)FY13 60 = Kuwait FMS Case (60 PAC-3 Missiles)Production Rates reflect annual production capacity.

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 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).

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<sup>‡</sup> Delivery rows marked with the • symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

<sup>&</sup>quot;A" in the Delivery Schedule indicated the Contract Award Date.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army Date: April 2013 Appropriation / Budget Activity / Budget Sub Activity: P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-To-Air | C53101 - MSE Missile

Missile System

Program Elements for Code B Items:

Other Related Program Elements: 0604865A, 0603869A,

0604869A, 0605456A

MDAP/MAIS Code(s):

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

WIDAP/WAIS 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 (Units in Each)	-	-	-	56	-	56	72	80	82	104	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	74.953	12.850	540.401	-	540.401	540.520	559.623	566.757	655.184	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	74.953	12.850	540.401	-	540.401	540.520	559.623	566.757	655.184	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	74.953	12.850	540.401	-	540.401	540.520	559.623	566.757	655.184	Continuing	Continuing
	(The following	Resource Sum	mary rows are fo	r informational p	urposes only. Th	e corresponding	budget requests	s are documente	d elsewhere.)		3	
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost (Units in Thousands)	-	-	-	9,650.018	-	9,650.018	7,507.222	6,995.288	6,911.671	6,299.846	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

#### **Description:**

The Missile Segment Enhancement (MSE) missile evolves from the PATRIOT Advanced Capability 3 (PAC-3) missile. The MSE upgrade takes the PAC-3 Cost Reduction Initiative (CRI) missile design and improves on it with a higher performance, dual pulse, eleven-inch diameter Solid Rocket Motor (SRM) design, improved Lethality Enhancer, thermally hardened front end for longer fly out, upgraded batteries, enlarged fixed fins, more responsive control surfaces, and upgraded guidance software. These improvements provide a more agile, lethal interceptor missile, which results in a substantial missile performance improvement while enhancing Insensitive Munitions (IM) compliance. A more IM compliant propellant for the SRM is being developed for the MSE program as well as a less sensitive Lethality Enhancer. A single canister design provides enhanced Warfighter and logistics flexibility, and facilitates Insensitive Munitions (IM) compliance for greater Warfighter safety. The MSE is being developed to fire from the PATRIOT system for the U.S. and is also the internationally accepted missile for MEADS (as FMS case).

Secon	dary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	56	-	56	72	80	82	104
	Total Obligation Authority	74.953	12.850	540.401	-	540.401	540.520	559.623	566.757	655.184

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

								UNG	CLASS	SIFIED	)									
Exhibit P-40, Budg	et Item Jus	stifi	cation \$	Sheet:	PB 201	4 Army									Date	e: April	2013			
ID   Unit Cost   (\$K)   (Each)   Total Cost (\$K)   (Each)   (SK)   (Each)   (Each)   (SK)   (Each)   (SK)   (Each)   (SK)   (Each)   (E																				
ID Code (A=Service Ready, B	3=Not Service Read	dy) :				Program	Elemen	s for Cod	le B Item	s:						m Eleme	nts: 0604	865A, 060	3869A,	
MDAP/MAIS Code(s):																				
Appropriation / Budget Activity / Budget Sub Activity: 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-To-Air Missile System  ID Code (A-Senvice Ready, B=Not Senvice Ready):  Program Elements for Code B Items:  Other Related Program Elements: 0604865A, 0603869A, 0604869A, 060486			tal																	
Item Nomenclature*	Exhibits																			Total Cos
C53101 - MSE Missile P	5, P5A, P21		-	-	-	-	-	74.953	-	-	12.850	9,650.018	56	540.401	-	-	-	9,650.018	56	540.40
					-			74.953			12.850			540.401			-			540.40
Appropriation / Budget Name Activity / Budget Sub Activity:  2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-To-Air  Discreption of Budget Activity / Budget Sub Activity:  2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-To-Air  Discreption of Budget Activity / Budget Sub Activity:  2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-To-Air  Discreption of Basiles / BSA 10: Surface-To-Air  Discrepti																				
Item Nomenclature*	Exhibits																			Total Cos
			-	-	-	-	-	-	-	-	-	-	-		(+11)			<u> </u>		, ,
					540.520			559.623			566.757			655.184		Continuing	9		Continuing	ı
*Item Nomenclature represe	nts Item Numbe	r, DO	DIC, and It	em Name	for the P40	A and P5; I	Name for	the P18 and	d P23; Mod	lification N	umber and	Modificatio	n Title for	the P3A; Ite	em Number	and Item	Name for th	ne P10.		
Justification: The FY 2014 Base pro In accordance with Sec	ocurement dolla	ars ii he F	n the amo	unt of \$5	40.401 mi	ıthorizatior	n Act (P.	L. 110-18 <sup>-</sup>		_			, ,					homeland	defense	

LI C53101 - MSE Missile
Army

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P-1 Line #2

Exhibit P-5, Cost Analysis: PB 2014 Army

Date: April 2013

Appropriation / Budget Activity / Budget Sub Activity: 2032A: Missile Procurement, Army / BA 02: Other Missiles / MDAP/MAIS Code: P-1 Line Item Nomenclature:

Item Nomenclature (Item Number - Item

BSA 10: Surface-To-Air Missile System

C53101 - MSE Missile

Name, DODIC): C53101 - MSE Missile

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 (Units in Each)	-	-	-	56	-	56	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	74.953	12.850	540.401	-	540.401	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	74.953	12.850	540.401	-	540.401	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	74.953	12.850	540.401	-	540.401	-	-	-	-	Continuing	Continuing
	(The following	g Resource Sum	mary rows are fo	r informational p	urposes only. Ti	he corresponding	budget request	s are documente	ed elsewhere.)			
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Gross/Weapon System Unit Cost 9,650.018 9,650.018 Continuing Continuing (Units in Thousands)

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

		All	Prior Yea	rs		FY 2012			FY 2013		F'	/ 2014 Bas	se e	F`	Y 2014 OCC	)	F١	2014 Tot	al
Cost Elements († indicates the presence of a P-5A)	ID CD	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)
lyaway Cost					•										·			,	
Recurring Cost																			
† Missile Hardware		-	-	-	-	-	-	-	-	-	4,999.000	56	279.942	-	-	-	4,999.000	56	279.9
Field Surveillance		-	-	-	-	-	-	-	-	-	-	-	25.900	-	-	-	-	-	25.9
PAC-3 Missile Support Center (P3MSC)		-	-	-	-	-	-	-	-	-	-	-	12.000	-	-	-	-	-	12.0
Obsolescence		-	-	-	-	-	-	-	-	-	-	-	20.509	-	-	-	-	-	20.5
LS Mods		-	-	-	-	-	-	-	-	-	-	-	13.300	-	-	-	-	-	13.3
Heater Kits		-	-	-	-	-	-	-	-	-	-	-	2.500	-	-	-	-	-	2.5
MRT/ERT		-	-	-	-	-	-	-	-	-	-	-	56.800	-	-	-	-	-	56.
CARM		-	-	-	-	-	-	-	-	-	-	-	7.100	-	-	-	-	-	7.
Initial Production Facilitization		-	-	-	-	-	74.513	-	-	12.397	-	-	-	-	-	-	-	-	
Contractor Engineering		-	-	-	-	-	-	-	-	-	-	-	51.416	-	-	-	-	-	51.
Government/Software Engineering		-	-	-	-	-	0.440	-	-	0.453	-	-	25.683	-	-	-	-	-	25.
Sys Engrg/Proj Mgmt (SEPM)		-	-	-	-	-	-	-	-	-	-	-	18.345	-	-	-	-	-	18
Integrated Logistics Support		-	-	-	-	-	-	-	-	-	-	-	26.906	-	-	-	-	-	26.

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LI C53101 - MSE Missile 11 Army Page 3 of 9 P-1 Line #2

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

Exhibit P-5, Cost A	nalysis: PB 2014 Army					Date: April 2013	
1	dget Activity / Budget Sulurement, Army / BA 02: Otl -Air Missile System	•	MDAP/MAIS Code: 148		tem Nomenclature: MSE Missile	Item Nomenclat Name, DODIC): C53101 - MSE M	
	All Prior Years	FY 2012	FY 2	013	FY 2014 Base	FY 2014 OCO	FY 2014 Total

		Al	l Prior Yea	ırs		FY 2012			FY 2013		F	Y 2014 Bas	se	F`	Y 2014 OC	)	F	/ 2014 Tot	al
Cost Elements († indicates the presence of a P-5A)	ID	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)
Total Recurring Cost				-			74.953			12.850			540.401			-			540.401
Total Flyaway Cost				-			74.953			12.850			540.401			-			540.401
Gross Weapon System Cost				-			74.953			12.850			540.401			-			540.401

			FY 2015			FY 2016			FY 2017			FY 2018		To	o Complet	е		Total Cost	:
Cost Elements († indicates the presence of a P-5A)	ID CD	Unit Cost	Quantity (Each)	Total Cost (\$ M)															
Flyaway Cost											•			·	·				
Recurring Cost																			
† Missile Hardware		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Field Surveillance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAC-3 Missile Support Center (P3MSC)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Obsolescence		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LS Mods		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heater Kits		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MRT/ERT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CARM		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Initial Production Facilitization		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contractor Engineering		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Government/Software Engineering		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sys Engrg/Proj Mgmt (SEPM)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Logistics Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			-			-			-			-			-
Total Flyaway Cost				-			-			-			-			-			-
Gross Weapon System Cost				-			-			-			-		Continuing			Continuing	

P-5 Remarks:

LI C53101 - MSE Missile
Army

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P-1 Line #2

Exhibit P-5, Cost Analysis: PB 2014 Army			Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-To-Air Missile System	MDAP/MAIS Code: 148	P-1 Line Item Nomenclature: C53101 - MSE Missile	Item Nomenclature (Item Number - Item Name, DODIC): C53101 - MSE Missile

Secon	dary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	56	-	56	-	-	-	-
	Total Obligation Authority	74.953	12.850	540.401	-	540.401	-	-	-	-

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Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army

Date: April 2013

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

Item Nomenclature:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-To-Air Missile System

C53101 - MSE Missile

C53101 - MSE Missile

Cost Elements († indicates the presence of a P-21)	0 C 0	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
†Missile Hardware		2014	LMMFC / Dallas, TX	SS / FFP	AMCOM, RSA, AL	Mar 2014	Aug 2015	56	4,999.000			Mar 2013

#### Remarks:

Army

FY 2012 and FY 2013 base procurement dollars funded the effort to facilitize the production line in support of the FY 2014 MSE production buy and the option to this contract to finalize rate tooling.

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Exhibit P-21, Budget Production Schedule: PB 2014 Army Date: April 2013 Appropriation / Budget Activity / Budget Sub Activity: P-1 Line Item Nomenclature: Item Nomenclature: 2032A: Missile Procurement, Army / BA 02: Other Missiles / C53101 - MSE Missile C53101 - MSE Missile BSA 10: Surface-To-Air Missile System

		Cost Elei (Units in									Fiscal \	ear 2014											Fiscal Y	ear 2015						
				ACCEP	1		Calendar Year 2014													_		_		Caler	ndar Year	2015				
O FO	-	Y SERVICE <sup>‡</sup>	PROC QTY	PRIOR TO 1 OCT 2013	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	N N	n n	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
Missil	e Hardv	ware																												
1	201	14 ARMY	56	-	56	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- '	-	6	4	46
						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	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	n n	A U G	S E P	B A L

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Exhibit P-21, Budget Production Schedule: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 02: Other Missiles /
BSA 10: Surface-To-Air Missile System

Date: April 2013

Item Nomenclature:
C53101 - MSE Missile

	_					, -																									
			Cost Elen (Units in E									Fiscal Y	ear 2016											Fiscal Y	ear 2017	,					
					ACCEP									C	alendar	Year 20	16								Caler	ndar Yea	r <b>2017</b>				
0 0	R	FY	SERVICE <sup>‡</sup>	PROC QTY	PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	0 C T	N O V	N D J F M A M J J A S O E A E A P A U U U U V C N B R R Y N L G P											N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N L	J J	A U G	S E P	B A L
М	issile l	Hardwai	е						1												1				1						
	1	2014	ARMY	56	10	46	4	4	4	4	4	4	4	8	4	6															-
							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	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

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Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity:	P-1 Line Item Nomenclature:	Item Nomenclature:
2032A: Missile Procurement, Army / BA 02: Other Missiles /	C53101 - MSE Missile	C53101 - MSE Missile
BSA 10: Surface-To-Air Missile System		

		Product	tion Rates (Each /	Month)				Procurement Lea	adtime (Months)			
						Init	tial			Reo	rder	
MF					ALT Prior			Total After	ALT Prior			Total After
#	MFR Name - Location	MSR	1-8-5	MAX	to Oct 1	ALT After Oct 1	Mfg PLT	Oct 1	to Oct 1	ALT After Oct 1	Mfg PLT	Oct 1
1	LMMFC - Dallas, TX	72.00	240.00	360.00	6	6	23	29	-	-	-	-

#### Remarks:

Production Rates reflect annual production capacity.

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).

LI C53101 - MSE Missile
Army

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P-1 Line #2

<sup>&</sup>quot;A" in the Delivery Schedule indicated the Contract Award Date.

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

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 20: Air-To-Surface C70000 - Hellfire Sys Summary

Missile System

**Program Elements for Code B Items:** 

Other Related Program Elements: 0203802A, 0210109A

MDAP/MAIS Code(s):

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

	Prior			FY 2014	FY 2014	FY 2014					То	
Resource Summary	Years	FY 2012	FY 2013 <sup>#</sup>	Base	OCO##	Total	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
Procurement Quantity (Units in Each)	-	907	161	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	2,940.145	108.966	30.501	4.464	-	4.464	21.445	19.237	14.998	15.045	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2,940.145	108.966	30.501	4.464	-	4.464	21.445	19.237	14.998	15.045	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,940.145	108.966	30.501	4.464	-	4.464	21.445	19.237	14.998	15.045	Continuing	Continuing
	(The following	Resource Sum	mary rows are fo	or informational p	urposes only. Th	e corresponding	budget request	s are documente	d elsewhere.)			
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost	-	120.139	189.447	-	-	-	-	-	-	-	Continuing	Continuing
(Units in Thousands)												

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

### **Description:**

The Laser HELLFIRE II system family of air-to-ground missiles (all variants) provides attack helicopters and unmanned aircraft systems (UAS) with point-target precision strike capability to defeat heavy, advanced armor, individual hard point and non-traditional targets. HELLFIRE II missiles use a semi-active laser terminal guidance and are the primary armament of the AH-64 Apache. OH-58 Kiowa Warrior. Army UAS and Special Operations aircraft. The HELLFIRE II includes Electro-Optical Countermeasure capability, warhead improvements and an updated electronic fuze. The AGM-114R (Romeo) HELLFIRE II missile will be the single variant that replaces all other HELLFIRE II missile configurations (K/N/M/P). HELLFIRE II Romeo procurement funding supports the entire HELLFIRE II system, to include resolution of obsolescence, safety, reliability, weapon integration activities, test sets, engineering changes and production issues. This missile will be compatible on all current force Unmanned Aircraft Systems (UAS) and rotary wing platforms.

Seco	ondary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	907	161	-	-	-	-	-	-	-
	Total Obligation Authority	108.966	30.501	4.464	-	4.464	21.445	19.237	14.998	15.045

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

Exhibit P-40, Budget Item Justification Sheet: PB 201	14 Army			Date: April 2013
<b>Appropriation / Budget Activity / Budget Sub Activity</b> 2032A: Missile Procurement, Army / BA 02: Other Missile System		P-1 Line Item Nomenclatu C70000 - Hellfire Sys Summ	-	
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Ite	ems:	Other Related Pi	rogram Elements: 0203802A, 0210109A

Program Elements for Code B Items:

Other Related Program Elements: 0203802A, 0210109A

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

Item Sche	dule		P	rior Yea	rs		FY 2012			FY 2013		FY	′ 2014 Ba	ase	F۱	′ 2014 O	CO	FY	2014 To	otal
Item Nomenclature*	Exhibits	ID CD	Unit Cost	Qty (Each)	Total Cost br>(\$ M)															
C70100 - LASER HELLFIRE MSL (BASIC/IHW/HFII)	P5, P5A, P21		-	-	2,940.145	120.139	907	108.966	189.447	161	30.501	-	-	4.464	-	-	-	-	-	4.464
Total Gross/Weapon System Cost					2,940.145			108.966			30.501			4.464			-			4.464
Item Sche	Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018		To	Comple	ete		Total	
Item Nomenclature*	Exhibits	ID CD	Unit Cost	Qty (Each)	Total Cost															
C70100 - LASER HELLFIRE MSL (BASIC/IHW/HFII)	P5, P5A, P21		-	-	-	-	-	-	-	-	-	-	-	-		Continuing			Continuing	
Total Gross/Weapon System Cost					21.445			19.237			14.998			15.045		Continuing	- I		Continuing	3

<sup>\*</sup>Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P48 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

### Justification:

FY2014 Base procurement dollars in the amount of \$4.464 million provides system engineering and program management support for HELLFIRE II missiles. These funds continue through the POM to support Army deliveries, work issues from field failures, support the users, address obsolescence and facilitate other service orders. The Army intends to convert any price advantage created through contract negotiations, other service procurement and/or Foreign Military Sales (FMS) into an increase of the Army's procurement of HELLFIRE II missiles. The HELLFIRE Product Office is the procurement agent for all services, for all variants of the HELLFIRE missile.

"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."

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Exhibit P-5, Cost Analysis: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 02: Other Missiles /
BSA 20: Air-To-Surface Missile System

P-1 Line Item Nomenclature:

C70000 - Hellfire Sys Summary

Name, DODIC):

C70100 - LASER HELLFIRE MSL
(BASIC/IHW/HFII)

FY 2014 FY 2014 FY 2014

	PIIOI			F1 2014		F1 2014					10	
Resource Summary	Years	FY 2012	FY 2013 <sup>#</sup>	Base	OCO##	Total	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
Procurement Quantity (Units in Each)	-	907	161	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	2,940.145	108.966	30.501	4.464	-	4.464	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2,940.145	108.966	30.501	4.464	-	4.464	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,940.145	108.966	30.501	4.464	-	4.464	-	-	-	-	Continuing	Continuing
	(The following	g Resource Sum	mary rows are fo	r informational p	ourposes only. Ti	he corresponding	g budget request	s are documente	ed elsewhere.)			
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost	-	120.139	189.447	-	-	-	-	-	-	-	Continuing	Continuing

<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

		Al	Prior Yea	ırs		FY 2012			FY 2013		F	Y 2014 Ba	se	F`	Y 2014 OC	0	F`	Y 2014 Tot	al
Cost Elements († indicates the presence of a P-5A)	ID CD	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost															,			•	
Recurring Cost																			
† All-up Rounds		37.722	61,155	2,306.888	94.407	907	85.627	100.547	161	16.188	-	-	-	-	-	-	-	-	-
Engineering Services		-	-	106.231	-	-	3.660	-	-	1.474	-	-	-	-	-	-	-	-	-
Fielding		-	-	22.803	-	-	1.445	-	-	0.256	-	-	-	-	-	-	-	-	-
Acceptance Testing		-	-	48.663	-	-	0.255	-	-	0.045	-	-	-	-	-	-	-	-	-
Project Mgt Admin		-	-	126.253	-	-	6.701	-	-	3.395	-	-	4.464	-	-	-	-	-	4.464
Production Engineering Support		-	-	172.505	-	-	11.278	-	-	9.143	-	-	-	-	-	-	-	-	-
Total Recurring Cost				2,783.343			108.966			30.501			4.464			-			4.464
Total Flyaway Cost				2,783.343			108.966			30.501			4.464			-			4.464
Gross Weapon System Cost				2,940.145			108.966			30.501			4.464			-			4.464

			FY 2015			FY 2016			FY 2017			FY 2018		To	o Complet	ie	-	Total Cost	
Cost Elements († indicates the presence of a P-5A)	ID CD	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost						,			,		•								
Recurring Cost																			

LI C70000 - Hellfire Sys Summary Army

Exhibit P-5, Cost Analysis: PB 2014 Army

P-1 Line Item Nomenclature: C70000 - Hellfire Sys Summary Item Nomenclature (Item Number - Item

Name, DODIC):

Date: April 2013

C70100 - LASER HELLFIRE MSL

(BASIC/IHW/HFII)

2032A: Missile Procurement, Army / BA 02: Other Missiles /	
BSA 20: Air-To-Surface Missile System	

Appropriation / Budget Activity / Budget Sub Activity:

			FY 2015			FY 2016			FY 2017			FY 2018		T-	o Complete	е		Total Cost	1
Cost Elements († indicates the presence of a P-5A)	ID CD	UIIII GUSI	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)
† All-up Rounds		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acceptance Testing		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Project Mgt Admin		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production Engineering Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			-			-			-			-			-
Total Flyaway Cost				-			-			-			-			-			-
Gross Weapon System Cost				-			-			=			=	Continuing				Continuing	

#### P-5 Remarks:

Secon	dary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	907	161	-	-	-	-	-	-	-
	Total Obligation Authority	108.966	30.501	4.464	-	4.464	-	-	-	-

Exhibit P-5A, Budget Procurement History and Planning: F	PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity:	P-1 Line Item Nomenclature:	Item Nomenclature:
2032A: Missile Procurement, Army / BA 02: Other Missiles /	C70000 - Hellfire Sys Summary	C70100 - LASER HELLFIRE MSL
BSA 20: Air-To-Surface Missile System		(BASIC/IHW/HFII)

Cost Elements	0 C 0	FV	Contractor and Location	Method/Type, or	Location of PCO	Award Data	Date of First Delivery	Qty	Unit Cost		Date Revsn	RFP Issue
(† indicates the presence of a P-21)	U	ГТ	Contractor and Location	Funding Vehicle	01 PCO	Award Date	Delivery	(Each)	(\$ K )	Now?	Avail	Date
†All-up Rounds		2012	HELLFIRE Sys Limited Liability / Orlando	C / FFP	AMCOM, Redstone Arsenal, AL	Sep 2012	May 2014	907	94.407	N		Mar 2011
†All-up Rounds		2013	HELLFIRE Sys Limited Liability / Orlando	C / FFP	AMCOM, Redstone Arsenal, AL	May 2013	May 2015	161	100.547	N		Mar 2011

#### Remarks:

Firm Fixed Price (FFP)
The production unit cost is based on all Services' base and OCO quantity requirements known at this time.

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Exhibit P-21, Budget Production Schedule: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 20: Air-To-Surface Missile System

Date: April 2013

Item Nomenclature:

C70100 - LASER HELLFIRE MSL

(BASIC/IHW/HFII)

						•																		ļ.							
			Cost Elen (Units in I									Fiscal Y	ear 2012)											Fiscal Y	ear 2013						
					ACCEP									C	alendar	Year 201	2								Caler	ndar Year	2013				
0 C 0	M F R #	FY	SERVICE <sup>‡</sup>	PROC QTY	PRIOR TO 1 OCT 2011	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 n	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
All-u	ıp Ro	ounds													,				,						,						
1	1	2012	ARMY	907	-	907	-	-	-	-	-	-	-	-	-	-	-	Α -	-	-	-	-	-	-	-	-	-	-	-	-	907
	1	2012	NAVY	865	-	865	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	865
1	1	2012	◆ AF	1,283	-	1,283	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,283
1	1	2012	TOTAL	3,055	-	3,055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,055
1	1	2013	ARMY	161	-	161	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Α -	-	-	-	-	161
1	1	2013	+ NAVY	919	-	919	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	919
1	1	2013	◆ AF	1,063	-	1,063	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,063
1	1	2013	TOTAL	2,143	-	2,143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,143
							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 U L	A U G	S E P	B A L

LI C70000 - Hellfire Sys Summary Army

Exhibit P-21, Budget Production Schedule: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 02: Other Missiles /
BSA 20: Air-To-Surface Missile System

Date: April 2013

Item Nomenclature:

C70100 - LASER HELLFIRE MSL

(BASIC/IHW/HFII)

$\vdash$			Cost Elen	nonte	,					,														1,						$\overline{}$	
			(Units in E									Fiscal Y	ear 2014											Fiscal Ye	ear 2015						
					ACCEP									Ca	alendar `	Year 201	4								Calen	dar Year	2015				
0 0 0	M F R #	FY	SERVICE <sup>‡</sup>	PROC QTY	PRIOR TO 1 OCT 2013	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	N U	706	A U G	S E P	O C T	A 0 W	D E C	J A N	F E B	M A R	A P R	M A Y	J U	N U	A U G	S E P	B A L
All	-up Ro	ounds											,																		
	1	2012	ARMY	907	-	907	-	-	-	-	-	-	-	76	76	76	76	75	75	75	75	76	76	75	76						-
	1	2012	+ NAVY	865	-	865	-	-	-	-	-	-	-	73	72	72	72	72	72	72	72	72	72	72	72					ſ	-
	1	2012	◆ AF	1,283	-	1,283	-	-	-	-	-	-	-	107	107	107	107	107	107	107	107	107	107	107	106						-
	1	2012	TOTAL	3,055	-	3,055	-	-	-	-	-	-	-	256	255	255	255	254	254	254	254	255	255	254	254						-
	1	2013	ARMY	161	-	161	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	15	14	13	13	91
	1	2013	NAVY	919	-	919	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77	77	77	77	77	534
	1	2013	◆ AF	1,063	-	1,063	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89	89	89	89	89	618
	1	2013	TOTAL	2,143	-	2,143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	181	181	180	179	179	1,243
							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	U 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 U L	A U G	S E P	B A L

LI C70000 - Hellfire Sys Summary Army

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Ex	thik	oit P-	21, Bud	get P	rodu	ction	Sched	dule:	PB 2	014 A	rmy													Date	e: Apı	il 201	3				
20	32/	۹: Mis	<b>tion / B</b> ossile Pro ir-To-Su	curer	nent,	Army	/ BA C						<b>Line</b> 0000 -											C70	100 -	n <b>encla</b> LASE HW/HI	R HE		RE M	SL	
			Cost Elen (Units in E									Fiscal Y	ear 2016											Fiscal Y	ear 2017						
					ACCEP									(	Calendai	Year 20	16								Cale	ndar Year	2017				
0 0	M F R #	FY	SERVICE <sup>‡</sup>	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 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
All-	up R	ounds					,																								
	1	2012	ARMY	907	907	-																									-
	1	2012	NAVY	865	865	-																									-
	1	2012	◆ AF	1,283	1,283	-																									-
	1		TOTAL	3,055	+ -	-		-																							-
	1		ARMY	161	_		13	13	13	13	13	13	13																		-
	1		• NAVY	919		534	77	77	76	76	76	76	76																		-
	1		◆ AF	1,063		618	89	89	88	88	88	88	88																		-
	7	2013	TOTAL	2,143	900	1,243	179 O	179 N	177 D	177 J	177 F	177 M	177 A	М	J	J	A	s	0	N	D	J	F	М	Α	М	J	J	Α	s	В
							C T	O V	E C	A N	E B	A R	P R	A Y	U N	L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	L	U G	E P	A L

LI C70000 - Hellfire Sys Summary
Army

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
77 3 3 3 3 3 3 3 3	C70000 - Hellfire Sys Summary	Item Nomenclature: C70100 - LASER HELLFIRE MSL (BASIC/IHW/HFII)

		Product	tion Rates (Each /	Month)				Procurement Lea	adtime (Months)			
						Init	ial			Reo	rder	
MF #	R MFR Name - Location	MSR	1-8-5	MAX	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	HELLFIRE Sys Limited Liability - Orlando	100.00	340.00	600.00	6	3	24	27	5	3	24	27

<sup>‡</sup> Delivery rows marked with the • symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

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Page 9 of 9

<sup>&</sup>quot;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).

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army

Date: April 2013

To

Appropriation / Budget Activity / Budget Sub Activity:

| |

P-1 Line Item Nomenclature:

FY 2014

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/

Prior

CC0007 - Javelin (AAWS-M) System Summary

Assault Missile Sys

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

Program Elements for Code B Items:

**FY 2014** 

Other Related Program Elements: 0604611A

MDAP/MAIS Code(s):

Resource Summary	Years	FY 2012	FY 2013"	Base	OCO""	Total	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
Procurement Quantity (Units in Each)	26,062	710	400	449	-	449	597	568	575	491	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	4,054.907	172.502	81.121	110.510	-	110.510	115.444	112.847	116.277	104.547	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	4,054.907	172.502	81.121	110.510	-	110.510	115.444	112.847	116.277	104.547	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	4,054.907	172.502	81.121	110.510	-	110.510	115.444	112.847	116.277	104.547	Continuing	Continuing
	(The following	Resource Sum	mary rows are fo	r informational p	ourposes only. Ti	he corresponding	g budget request	ts are documente	ed elsewhere.)		•	
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost	155.587	242.961	202.803	246.125	-	246.125	193.374	198.674	202.221	212.927	Continuing	Continuing

**FY 2014** 

### **Description:**

Javelin provides the US Army and USMC a man-portable, fire-and-forget, medium-range missile with enhanced situational awareness and precision direct-fire effects to defeat armored vehicles, fortifications, and soft targets in range of military operations. Javelin has a high kill rate against a variety of targets at extended ranges under day/night, battlefield obscurants, adverse weather and multiple counter-measure conditions. The system's soft launch feature permits firing from a fighting position or an enclosure. Javelin uses a modular design to allow the system to evolve to meet changing threats and requirements via both software and hardware upgrades. The system consists of a reusable Command Launch Unit (CLU) with a built-in-test (BIT), and a modular missile encased in a disposable launch tube assembly. The system also includes training devices for tactical training and classroom training. Javelin's fire-and-forget technology allows the gunner to fire and immediately take cover, to move to another fighting position, or to reload. The Javelin provides enhanced lethality through the use of a tandem warhead which will defeat all known armor threats. It is effective against both stationary and moving targets. This system also provides defensive capability against attacking/hovering helicopters. The performance improvements in current production Javelin Block I CLUs are: increased target identification range, increased surveillance time with new battery and software management and external RS-170 interface for video output. The performance improvements in current production Javelin Block I missiles are: increased probability of hit/kill at 2500m, improved warhead lethality, and reduced time of flight. In current conflicts the CLU is being used as a stand-alone surveillance and target acquisition asset. The Army is the lead for this joint program with the USMC.

Second	dary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	710	400	449	-	449	597	568	575	491
	Total Obligation Authority	172.502	81.121	110.510	-	110.510	115.444	112.847	116.277	104.547

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<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

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army

Date: April 2013

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/ Assault Missile Sys

CC0007 - Javelin (AAWS-M) System Summary

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

Program Elements for Code B Items:

Other Related Program Elements: 0604611A

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

Item Sche	dule		P	rior Yea	rs		FY 2012			FY 2013		FY	2014 Ba	se	FY	FY 2014 OCO			2014 To	tal
Item Nomenclature*	Exhibits	ID CD	(\$K)	Qty (Each)	Total Cost	(\$ K )	Qty (Each)	Total Cost	(\$ K)	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost
H06102 - JAVELIN (AAWS- M)	P5, P5A, P21		155.587	-	4,054.907	242.961	710	172.502	202.803	400	81.121	246.125	449	110.510	-	-	-	246.125	449	110.510
Total Gross/Weapon System Cost					4,054.907			172.502			81.121			110.510			-			110.510
Item Sche	dule			FY 2015			FY 2016			FY 2017			FY 2018		To	Comple	ete		Total	
Item Nomenclature*	Exhibits	CD	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost									
H06102 - JAVELIN (AAWS-M)	P5, P5A, P21		-	-	-	-	-	-	-	-	-	-	-	-	Continuing				Continuing	
Total Gross/Weapon System Cost					115.444			112.847			116.277			104.547	Continuing		ı		Continuing	

\*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.

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

#### Justification:

FY 14 Base procurement dollars in the amount of \$110.510 million supports the procurement of 449 Rounds and 150 CLU Retrofits.

The increase of \$20 million in FY 14 from the PB13 budget supports the procurement of 150 Block I CLU Retrofits to ensure units that habitually support or train with Block I equipped Infantry Brigade Combat Teams (IBCT) or Stryker Brigade Combat Teams (SBCT) have similar Block I capability.

The FY13 & beyond missile unit prices are based on combined US Army, other services, and FMS procurements of 1000 missiles per year.

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.

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Exhibit P-5, Cost Analysis: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 02: Other Missiles /
BSA 30: Anti-Tank/Assault Missile Sys

Date: April 2013

Item Nomenclature (Item Number - Item Name, DODIC):
Summary

Name, DODIC):
H06102 - JAVELIN (AAWS-M)

	<u>,                                      </u>										,	
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 (Units in Each)	-	710	400	449	-	449	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	4,054.907	172.502	81.121	110.510	-	110.510	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	4,054.907	172.502	81.121	110.510	-	110.510	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	4,054.907	172.502	81.121	110.510	-	110.510	-	-	-	-	Continuing	Continuing
	(The following	Resource Sum	mary rows are fo	r informational p	urposes only. Ti	ne corresponding	g budget request	ts are documente	ed elsewhere.)	•		
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (Units in Thousands)	155.587	242.961	202.803	246.125	-	246.125	-	-	-	-	Continuing	Continuing

<sup>&</sup>lt;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

		All	Prior Yea	rs		FY 2012			FY 2013		F'	Y 2014 Bas	se	F	Y 2014 OC	0	F'	Y 2014 Tot	al
Cost Elements († indicates the presence of a P-5A)	ID CD	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost																			
Recurring Cost																			
† All Up Round		97.675	26,062	2,545.611	114.630	710	81.387	147.535	400	59.014	151.800	449	68.158	-	-	-	151.800	449	68.15
Engineering Services		-	-	139.154	-	-	15.537	-	-	8.044	-	-	8.890	-	-	-	-	-	8.89
Obsolescence/ Cost Reduction Initiatives		-	-	-	-	-	21.293	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Change Orders 1		-	-	11.637	-	-	0.081	-	-	0.059	-	-	0.068	-	-	-	-	-	0.06
Acceptance Testing		-	-	54.325	-	-	0.781	-	-	0.803	-	-	0.816	-	-	-	-	-	0.81
Fielding 1		-	-	20.928	-	-	0.017	-	-	0.009	-	-	0.011	-	-	-	-	-	0.01
Project Management		-	-	109.391	-	-	7.992	-	-	7.881	-	-	8.219	-	-	-	-	-	8.21
Production Engineering		-	-	85.583	-	-	5.328	-	-	5.254	-	-	5.480	-	-	-	-	-	5.48
Publications/ Technical Data		-	-	2.508	-	-	0.055	-	-	0.057	-	-	0.058	-	-	-	-	-	0.05
Command Launch Unit		106.786	7,771	829.837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Services 2		-	-	40.214	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Change Orders 2		-	-	3.438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLU Fielding		-	-	53.396	-	-	2.726	-	-	-	-	-	0.616	-	-	-	-	-	0.61

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P-1 Line #4

Exhibit P-5, Cost Analysis: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 02: Other Missiles /
BSA 30: Anti-Tank/Assault Missile Sys

Date: April 2013

Item Nomenclature (Item Number - Item Name, DODIC):
Summary

Name, DODIC):
H06102 - JAVELIN (AAWS-M)

		Al	Prior Yea	rs		FY 2012			FY 2013		F`	Y 2014 Bas	se	F`	Y 2014 OC	0	F	Y 2014 Tot	al
Cost Elements († indicates the presence of a P-5A)	ID CD	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)
CLU Retrofits		73.301	994	72.861	70.873	519	36.783	-	-	-	121.293	150	18.194	-	-	-	121.293	150	18.194
Field Tactical Trainers		18.228	2,481	45.223	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Basic Skills Trainer		15.554	599	9.317	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Missile Simulation Round		0.434	4,308	1.870	2.522	207	0.522	-	-	-	-	-	-	-	-	-	-	-	-
Fielding 2		-	-	5.668	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPBST Retrofits		27.000	51	1.377	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Less: Prior Year Adv Proc		-	-	-100.622	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plus P-1 CY Adv Proc		-	-	100.622	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Initial Spares		-	-	22.569	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				4,054.907			172.502			81.121			110.510			-			110.510
Total Flyaway Cost				4,054.907			172.502			81.121			110.510			-			110.510
Gross Weapon System Cost				4,054.907			172.502			81.121			110.510			-			110.510

			FY 2015			FY 2016			FY 2017			FY 2018		To	o Complet	te	,	Total Cost	į
Cost Elements († indicates the presence of a P-5A)	ID CD	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost
Flyaway Cost	1								,									,	
Recurring Cost																			
† All Up Round		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineering Services		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Obsolescence/ Cost Reduction Initiatives		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineering Change Orders 1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Acceptance Testing		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fielding 1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Project Management		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Production Engineering		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Publications/ Technical Data		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Command Launch Unit		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-5, Cost Analysis: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 02: Other Missiles /
BSA 30: Anti-Tank/Assault Missile Sys

Date: April 2013

Item Nomenclature (Item Number - Item Nomenclature: CC0007 - Javelin (AAWS-M) System Summary

Name, DODIC):
H06102 - JAVELIN (AAWS-M)

			FY 2015			FY 2016	•		FY 2017			FY 2018		To	o Complet	te		Total Cost	į
Cost Elements († indicates the presence of a P-5A)	ID CD	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)
Engineering Services 2		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Change Orders 2		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLU Fielding		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLU Retrofits		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Field Tactical Trainers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Basic Skills Trainer		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Missile Simulation Round		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding 2		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPBST Retrofits		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Less: Prior Year Adv Proc		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plus P-1 CY Adv Proc		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			-			-			-			-			-
Total Flyaway Cost				-			-			-			-			-			-
Gross Weapon System Cost				-			-			-			-		Continuing			Continuing	

#### P-5 Remarks:

Secon	dary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	710	400	449	-	449	-	-	-	-
	Total Obligation Authority	172.502	81.121	110.510		110.510	-	-		_

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Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army Date: April 2013 Appropriation / Budget Activity / Budget Sub Activity: P-1 Line Item Nomenclature: Item Nomenclature: 2032A: Missile Procurement, Army / BA 02: Other Missiles / CC0007 - Javelin (AAWS-M) System Summary H06102 - JAVELIN (AAWS-M)

Cost Elements († indicates the presence of a P-21)	0 0	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
†All Up Round		2012	JJV All Up Round / Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal, AL	Nov 2011	Nov 2013	710	114.630	N		
†All Up Round		2013	JJV All Up Round / Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal, AL	Apr 2013	Apr 2015	400	147.535	N		
†All Up Round		2014	JJV All Up Round / Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal, AL	Jan 2014	Jan 2016	449	151.800	N		

#### Remarks:

Javelin Joint Venture (JJV) includes Raytheon in Tucson, AZ and Lockheed Martin in Orlando, FL.

Sole Source (SS)

Firm Fixed Price (FFP)

Aviation and Missile Command (AMCOM)

BSA 30: Anti-Tank/Assault Missile Sys

Unit prices are affected by combining Army procurement quantities with other U.S. services and foreign military sales quantities.

Exhibit P-21, Budget Production Schedule: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 02: Other Missiles /
BSA 30: Anti-Tank/Assault Missile Sys

Cost Elements
(Units in Each)

P-1 Line Item Nomenclature:
CC0007 - Javelin (AAWS-M) System Summary

Fiscal Year 2013

Fiscal Year 2013

										Fiscal Y	ear 2012	1										Fiscal Y	ear 2013	i					
												C	alendar	Year 201	2								Caler	ndar Year	2013				
FY	SERVICE <sup>‡</sup>	PROC QTY	PRIOR TO 1 OCT 2011	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	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
Round																													
or Years	s Deliveries: 260	062																											_
2012	2 ARMY	710	-	710	-	Α -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	71
2012	2 • MC	20	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
2012	2 ◆ FMS	599	-	599	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	599
2012	2 TOTAL	1,329	-	1,329	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,329
2013	3 ARMY	400	-	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Α -	-	-	-	-	-	400
2013	3 • MC	172	-	172	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	172
2013	3 ◆ FMS	428	-	428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	428
2013	3 TOTAL	1,000	-	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,000
2014	4 ARMY	449	-	449	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	449
2014	4 • MC	219	-	219	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	219
2014	4 ◆ FMS	332	-	332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	332
2014	4 TOTAL	1,000	-	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,000
				,	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	В
					C	O V		A N		A	P	A	U	U	U	E	C	0 V		A	E B	A		A	U	U	U	E	A
	FY Round or Years 201 201 201 201 201 201 201 201 201 201	FY SERVICE <sup>‡</sup> Round or Years Deliveries: 260 2012 ARMY 2012 + MC 2012 + FMS 2012 TOTAL 2013 ARMY 2013 + MC 2013 + FMS 2013 TOTAL 2014 ARMY 2014 + MC 2014 + MC 2014 + FMS	Round   PROC   PROC	Control   Cont	PROC OCT   PROC OCT   PROC OCT	Cunits in Each    Cunits in	Cunits in Each    ACCEP   PRIOR   TO 1   DUE   O N   AS OF C O O   N   AS OF C O O   N   AS OF C O O O O O O O O O O O O O O O O O	Cunits in Each    Cunits in	Cunits in Each    Cunits in	Cunits in Each    ACCEP PRIOR DUE OO N D J FE A E E ASOF C OO E A E A E E ASOF C OO E N B BALL DUE OO N B B ASOF C OO E N B B A E B ASOF C OO E N B A E B A E B A A E B A A E B A A C OO E N B A E B A A	Curits in Each   Curits in Each   Cace   PRIOR   TO 1   OCT   AS OF   C   O   E   A   E   A   A   E   A   A   A   Cace   Cace	Curits in Each    Curits in Each    Case   PRIOR   TO 1   DUE   O	Company   Comp	Cunits in Each    Calendar   Ca	Color   Colo	Color   Colo	Columbia   Columbia	Service   PROC   PROC   OC   N   D   A   E   A   PROC   PROC   Q1TY   OC   N   D   A   S   C   C   C   N   B   R   R   R   A   D   U   U   U   U   U   U   U   U   U	Color   Colo	Control   Cont	Control   Cont	Control   Cont	Fiscal Year 2012   Fiscal Year	Figure   F	Color   Fiscal Year 2012   Fis	Color   Colo	Final Part   Fin	Childs   Face   Fiscal Year 2012   Fiscal Year 20	Color   Colo

Exhibit P-21, Budget Production Schedule: PB 2014 Army Date: April 2013 Appropriation / Budget Activity / Budget Sub Activity: P-1 Line Item Nomenclature: Item Nomenclature: 2032A: Missile Procurement, Army / BA 02: Other Missiles / CC0007 - Javelin (AAWS-M) System Summary H06102 - JAVELIN (AAWS-M) BSA 30: Anti-Tank/Assault Missile Sys Cost Elements Fiscal Year 2014 (Units in Each) Fiscal Year 2015 ACCEP Calendar Year 2014 Calendar Year 2015 PRIOR М BAL 0 DUE В F TO 1 s 0 C С Р U Ü U U E PROC OCT AS OF 0 Е Е Α Α U U Е С 0 Ε Ε Р Α Α Α Α FY SERVICE<sup>‡</sup> N R R R QTY 2013 1 OCT В G R Ν G All Up Round All Prior Years Deliveries: 26062 ARMY 710 110 111 47 2012 710 \_ 110 110 111 111 • MC 20 20 20 1 2012 2012 • FMS 599 599 44 111 111 111 111 111 1 2012 TOTAL 1,329 1,329 110 110 110 111 111 111 111 111 111 111 111 111 ARMY 400 400 84 84 84 84 64 1 2013 ---• MC 172 19 83 70 2013 2013 • FMS 428 428 84 TOTAL 1,000 84 84 84 83 83 498 1 2013 1,000 \_ \_ ARMY 449 449 449 Α -2014 • MC 219 219 2014 • FMS 332 332 332 1 TOTAL 1.000 1,000 1.000 2014 D М М s 0 Ν D M M s В Α С Ε Α Е Α Ρ Α U U Ε С 0 Ε Α Ε Α Ρ Α U U U Ε Α R С G

> **UNCLASSIFIED** Page 8 of 10

Exhibit P-21, Budget Production Schedule: PB 2014 Army Date: April 2013 Appropriation / Budget Activity / Budget Sub Activity: P-1 Line Item Nomenclature: Item Nomenclature: 2032A: Missile Procurement, Army / BA 02: Other Missiles / CC0007 - Javelin (AAWS-M) System Summary H06102 - JAVELIN (AAWS-M) BSA 30: Anti-Tank/Assault Missile Sys Cost Elements Fiscal Year 2016 Fiscal Year 2017 (Units in Each) ACCEP Calendar Year 2017 Calendar Year 2016 PRIOR М BAL 0 C 0 DUE В F TO 1 0 PROC С Е Р Ü U Ü U U E OCT AS OF 0 Е A R U Е С 0 Е A N Ε A R Ρ Α Α FY SERVICE<sup>‡</sup> R R # QTY 2015 1 OCT G Ρ Ν G All Up Round All Prior Years Deliveries: 26062 710 ARMY 710 2012 • MC 20 20 1 2012 2012 • FMS 599 599 TOTAL 1 2012 1,329 1,329 1 ARMY 400 400 2013 ----• MC 102 70 70 2013 2013 • FMS 428 13 83 83 83 83 83 1,000 1 TOTAL 502 498 83 83 83 83 83 83 2013 ARMY 449 449 35 45 53 124 124 68 2014 • MC 219 219 52 84 83 2014 • FMS 332 332 83 83 83 83 1 TOTAL 1.000 1,000 35 45 53 124 124 120 83 83 83 83 2014 D M М 0 В Р E С 0 Ε Α Е Α Ρ Α U U Ε С 0 Ε Α Е A R Α U U U Α R G

LI CC0007 - Javelin (AAWS-M) System Summary Army

Exhibit P-21, Budget Production Schedule: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 02: Other Missiles /
BSA 30: Anti-Tank/Assault Missile Sys

Date: April 2013

Item Nomenclature:

CC0007 - Javelin (AAWS-M) System Summary

H06102 - JAVELIN (AAWS-M)

		Produc	tion Rates (Each /	Month)				Procurement Le	adtime (Months)			
						Init	ial			Reo	rder	
М	FR # MFR Name - Location	MSR	1-8-5	MAX	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	JJV All Up Round - Tucson AZ Orlando FL	75.00	330.00	540.00	11	3	22	25	1	1	22	23

#### Remarks:

Estimated unit prices are based on combined U.S. Army, other services and FMS procurements of at least 1,000 missiles per year. Production rates are monthly rates.

- ‡ Delivery rows marked with the ◆ 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 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).

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/

C59300 - TOW 2 System Summary

Assault Missile Sys

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

Program Elements for Code B Items:

Other Related Program Elements:

Date: April 2013

MDAP/MAIS Code(s):

Prior			FY 2014	FY 2014	FY 2014					То	
Years	FY 2012	FY 2013 <sup>#</sup>	Base	OCO##	Total	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
163,346	802	1,403	988	-	988	1,008	1,556	765	765	-	170,633
2,954.398	95.296	84.598	69.285	-	69.285	71.100	93.789	90.199	92.000	-	3,550.665
97.471	48.355	19.886	19.931	-	19.931	19.965	19.984	-	-	-	225.592
2,856.927	46.941	64.712	49.354	-	49.354	51.135	73.805	90.199	92.000	-	3,325.073
145.826	19.886	19.931	19.965	-	19.965	19.984	-	-	-	-	225.592
3,002.753	66.827	84.643	69.319	-	69.319	71.119	73.805	90.199	92.000	-	3,550.665
	Years 163,346 2,954.398 97.471 2,856.927 145.826	Years         FY 2012           163,346         802           2,954.398         95.296           97.471         48.355           2,856.927         46.941           145.826         19.886	Years         FY 2012         FY 2013#           163,346         802         1,403           2,954.398         95.296         84.598           97.471         48.355         19.886           2,856.927         46.941         64.712           145.826         19.886         19.931	Years         FY 2012         FY 2013#         Base           163,346         802         1,403         988           2,954.398         95.296         84.598         69.285           97.471         48.355         19.886         19.931           2,856.927         46.941         64.712         49.354           145.826         19.886         19.931         19.965	Years         FY 2012         FY 2013#         Base         OCO##           163,346         802         1,403         988         -           2,954.398         95.296         84.598         69.285         -           97.471         48.355         19.886         19.931         -           2,856.927         46.941         64.712         49.354         -           145.826         19.886         19.931         19.965         -	Years         FY 2012         FY 2013#         Base         OCO##         Total           163,346         802         1,403         988         -         988           2,954.398         95.296         84.598         69.285         -         69.285           97.471         48.355         19.886         19.931         -         19.931           2,856.927         46.941         64.712         49.354         -         49.354           145.826         19.886         19.931         19.965         -         19.965	Years         FY 2012         FY 2013#         Base         OCO##         Total         FY 2015           163,346         802         1,403         988         -         988         1,008           2,954.398         95.296         84.598         69.285         -         69.285         71.100           97.471         48.355         19.886         19.931         -         19.931         19.965           2,856.927         46.941         64.712         49.354         -         49.354         51.135           145.826         19.886         19.931         19.965         -         19.965         19.984	Years         FY 2012         FY 2013#         Base         OCO##         Total         FY 2015         FY 2016           163,346         802         1,403         988         -         988         1,008         1,556           2,954.398         95.296         84.598         69.285         -         69.285         71.100         93.789           97.471         48.355         19.886         19.931         -         19.931         19.965         19.984           2,856.927         46.941         64.712         49.354         -         49.354         51.135         73.805           145.826         19.886         19.931         19.965         -         19.965         19.984         -	Years         FY 2012         FY 2013#         Base         OCO##         Total         FY 2015         FY 2016         FY 2017           163,346         802         1,403         988         -         988         1,008         1,556         765           2,954.398         95.296         84.598         69.285         -         69.285         71.100         93.789         90.199           97.471         48.355         19.886         19.931         -         19.931         19.965         19.984         -           2,856.927         46.941         64.712         49.354         -         49.354         51.135         73.805         90.199           145.826         19.886         19.931         19.965         -         19.984         -         -	Years         FY 2012         FY 2013#         Base         OCO##         Total         FY 2015         FY 2016         FY 2017         FY 2018           163,346         802         1,403         988         -         988         1,008         1,556         765         765           2,954.398         95.296         84.598         69.285         -         69.285         71.100         93.789         90.199         92.000           97.471         48.355         19.886         19.931         -         19.931         19.965         19.984         -         -         -           2,856.927         46.941         64.712         49.354         -         49.354         51.135         73.805         90.199         92.000           145.826         19.886         19.931         19.965         -         19.984         -         -         -         -         -	Years         FY 2012         FY 2013#         Base         OCO##         Total         FY 2015         FY 2016         FY 2017         FY 2018         Complete           163,346         802         1,403         988         -         988         1,008         1,556         765         765         -           2,954.398         95.296         84.598         69.285         -         69.285         71.100         93.789         90.199         92.000         -           97.471         48.355         19.886         19.931         -         19.931         19.965         19.984         -         -         -         -           2,856.927         46.941         64.712         49.354         -         49.354         51.135         73.805         90.199         92.000         -           145.826         19.886         19.931         19.965         -         19.984         -         -         -         -         -

	(The following	Resource Sumi	mary rows are fo	r informational p	urposes only. Th	ne corresponding	budget request	s are documente	d elsewhere.)		,	
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (Units in Thousands)	18.087	118.823	60.298	70.127	-	70.127	70.536	60.276	117.907	120.261	-	0.021

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

### **Description:**

TOW missiles (BGM-71 Series) are combat proven missiles that provide heavy anti-armor/assault capability to the Army's Infantry Brigade Combat Teams (IBCT), the Stryker Brigade Combat Teams (SBCT) and the Bradley equipped Armor Brigade Combat Team (ABCT). TOW continues to be used consistently in Operation Enduring Freedom (OEF) as the weapon of choice in precision combat engagements. TOW missiles are the primary heavy anti-armor / assault missile for the U.S. Marine Corps (USMC) and 43 allied nations. Warfighters employ TOW missiles against buildings and field fortifications taking advantage of the missile's inherent precision assault capability against such targets.

TOW missiles are launched from a variety of combat systems in the active Army and Army National Guard including the Improved Target Acquisition System (ITAS), all infantry and cavalry variants of Bradley Fighting Vehicle Systems (BFVS), the Stryker Anti-Tank Guided Missile (ATGM), and the M220A2 TOW 2 launcher. The USMC employs the TOW missile from its ITAS launchers, ATGM and AH-1W Cobra helicopters. The TOW missile provides the warfighter with a highly lethal, cost effective, interoperable, multi-purpose weapon.

Second	dary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	1,403	-	-	-	-	-	-	-
	Total Obligation Authority	-	84.643	-	-	-	-	-	-	-

**UNCLASSIFIED** 

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

								UNG	CLASS	SIFIED	)									
Exhibit P-40, Bu	dget Item Ju	stifi	cation	Sheet:	PB 2014	4 Army									Date	: April	2013			
Appropriation / I 2032A: Missile Pr Assault Missile Sy	Budget Activocurement, A	/ity /	Budge	t Sub /	Activity:	<del></del>	30: An	ti-Tank/			Item No TOW 2			nary		· ·				
ID Code (A=Service Read	y, B=Not Service Rea	ady) :			I	Program	Element	s for Cod	le B Items	s:			Oth	er Relate	d Progra	m Eleme	ents:			
MDAP/MAIS Code(s)	:																			
Item Sche	edule		P	rior Yea	rs		FY 2012			FY 2013		FY	2014 Ba	ise	FY	/ 2014 O	СО	FY	2014 To	tal
Item Nomenclature*	Exhibits	ID CD	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cos
C59403 - TOW Family of Missiles	P5, P5A, P21		18.087	-	2,954.398	118.823	802	95.296	60.298	1,403	84.598	70.127	988	69.285	-	-	-	70.127	988	69.28
Total Gross/Weapon System Cost					2,954.398			95.296			84.598			69.285			-			69.28
*Item Nomenclature repr	esents Item Numb	er, DO	DIC, and It	em Name	for the P40	A and P5;	Name for t	the P18 and	d P23; Mod	ification N	umber and	Modificatio	n Title for t	he P3A; Ite	em Number	and Item	Name for the	e P10.		
Note: Totals in this Exhib  Justification:	it P-40 set may no	t be ex	act or add	due to rou	unding.															
IAW Section 1815 c and providing milita				necessar	y for use b	y the activ	ve compo	onents an	d reserve	compone	ents of the	Armed Fo	orces for	homeland	d defense	missions	s, domestid	c emergen	cy respo	nses,

Page 2 of 9 P-1 Line #5

LI C59300 - TOW 2 System Summary Army

Exhibit P-5, Cost Analysis: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

Item Nomenclature (Item Number - Item

39

C59300 - TOW 2 System Summary

Name, DODIC):

Date: April 2013

C59403 - TOW Family of Missiles

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/Assault Missile Sys

Resource Summary	Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO##	FY 2014 Total
Procurement Quantity (Units in Each)	-	802	1,403	988	-	988
Gross/Weapon System Cost (\$ in Millions)	2,954.398	95.296	84.598	69.285	-	69.285
Less PY Advance Procurement (\$ in Millions)	97.471	48.355	19.886	19.931	-	19.931
Net Procurement (P1) (\$ in Millions)	2,856.927	46.941	64.712	49.354	-	49.354
Plus CY Advance Procurement (\$ in Millions)	145.826	19.886	19.931	19.965	-	19.965
Total Obligation Authority (\$ in Millions)	3,002.753	66.827	84.643	69.319	-	69.319

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) Initial Spares (\$ in Millions) 118.823 Gross/Weapon System Unit Cost (Units in Thousands) 18.087 60.298 70.127 70.127

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

		Al	I Prior Yea	ırs		FY 2012			FY 2013		F'	Y 2014 Bas	se	F	/ 2014 OC	0	F	Y 2014 Tot	al
Cost Elements († indicates the presence of a P-5A)	ID CD	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost																			
Recurring Cost																			
Non-Recurring		-	-	9.939	-	-	6.897	-	-	7.005	-	-	2.000	-	-	-	-	-	2.000
† Missile Contract		18.326	156,806	2,873.575	30.219	802	24.236	46.471	1,403	65.199	58.599	988	57.896	-	-	-	58.599	988	57.896
Engineering Services		-	-	9.952	-	-	8.989	-	-	4.600	-	-	2.170	-	-	-	-	-	2.170
Acceptance Testing		-	-	2.447	-	-	0.274	-	-	0.479	-	-	0.488	-	-	-	-	-	0.488
Project Mgt Admin		-	-	10.130	-	-	6.545	-	-	7.270	-	-	6.697	-	-	-	-	-	6.697
Peculiar Support Equipment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Training Device (B/S)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross P-1 End Cost		-	-	-	-	-	76.824	-	-	-	-	-	-	-	-	-	-	-	-
Less: Prior Year Adv Proc		-	-	-97.471	-	-	-48.355	-	-	-19.886	-	-	-19.931	-	-	-	-	-	-19.931
Net P-1Full Funding Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLUS P-1 CY Adv. Proc.		-	-	145.826	-	-	19.886	-	-	19.931	-	-	19.965	-	-	-	-	-	19.965
Total Recurring Cost				2,954.398			95.296			84.598			69.285			-			69.285
Total Flyaway Cost				2,954.398			95.296			84.598			69.285			-			69.285
Gross Weapon System Cost				2,954.398			95.296			84.598			69.285			=			69.285

P-5 Remarks:

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

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/Assault Missile Sys	C59300 - TOW 2 System Summary	Item Nomenclature (Item Number - Item Name, DODIC): C59403 - TOW Family of Missiles

Sec	ondary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Army	Quantity	802	1,403	988	-	988
	Total Obligation Authority	66.827	84.643	69.319	-	69.319

**UNCLASSIFIED** LI C59300 - TOW 2 System Summary Army

Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army

Date: April 2013

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

Item Nomenclature:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/Assault Missile Sys

C59300 - TOW 2 System Summary

C59403 - TOW Family of Missiles

Cost Elements († indicates the presence of a P-21)	0 0 0	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	RFP Issue Date
†Missile Contract		2012	Raytheon / Tucson, AZ	C / FFP	AMCOM, Redstone Arsenal, AL	Aug 2012	Mar 2014	802	30.219	N		
†Missile Contract		2013	Raytheon / Tucson, AZ	C / FFP	AMCOM, Redstone Arsenal, AL	Apr 2013	Dec 2014	1,403	46.471	N		
†Missile Contract		2014	Raytheon / Tucson, AZ	C / FFP	AMCOM, Redstone Arsenal, AL	Dec 2013	Dec 2015	988	58.599	N		

#### Remarks:

Raytheon is currently the only industry source that is both facilitized and qualified to produce TOW missiles.

AMCOM Aviation Missile Command

FFP Firm Fixed Price

MY Multi-Year

Exhibit P-21, Budget Production Schedule: PB 2014 Army

**—** 4.1.

Date: April 2013

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

Item Nomenclature:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/Assault Missile Svs

C59300 - TOW 2 System Summary

C59403 - TOW Family of Missiles

			Coot Flow																												Т
			Cost Elem (Units in E									Fiscal Y	ear 2012											Fiscal Y	ear 2013	1					
					ACCEP										alendar	Year 201	12				,		,	,	Cale	ndar Yea	2013		,		
O F	= R			PROC		BAL DUE AS OF	O C	N O	D E	J A	F E	M A	A P	M A	J	J	A U	S E	0 C	N O	D E	J A	F E	M A	A P	M A	J	Ŋ	A U	S E	B
0 #	# F	FY	SERVICE <sup>‡</sup>	QTY	2011	1 OCT	T	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
Missil	le Contr	tract																													
1	20	012	ARMY (I)	802	-	802	-	-	-	-	-	-	-	-	-	-	Α -	-	-	-	-	-	-	-	-	-	-	-	-	-	80
1	20	012	◆ MC <sup>(II)</sup>	729	-	729	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72
1	20	012	TOTAL	1,531	-	1,531	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,53
1	20	013	ARMY (III)	1,403	-	1,403	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Α -	-	-	-	-	-	1,40
1	20	013	◆ MC <sup>(IV)</sup>	437	-	437	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43
1	20	013	TOTAL	1,840	-	1,840	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,84
1	20	014	ARMY (V)	988	-	988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98
1	20	014	◆ MC <sup>(VI)</sup>	465	-	465	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46
1	20	014	TOTAL	1,453	-	1,453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,45
							O C	N O	D E	J A	F E	M	A	M	J	Ŋ	A	S E	0	N O	D E	J A	F E	M	A P	M	J	J	A U	S E	B
							Т	V	C	N	B	A R	R	A	N	ĭ	G	P	Ť	v	C	N	B	R	R	A	N	ı	G	P	^

Exhibit P-21, Budget Production Schedule: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 02: Other Missiles /

BSA 30: Anti-Tank/Assault Missile Svs

P-1 Line Item Nomenclature:

C59300 - TOW 2 System Summary

Date: April 2013

Item Nomenclature:

C59403 - TOW Family of Missiles

			Cost Elen (Units in E									Fiscal Ye	ar 2014											Fiscal Ye	ar 2015						
			(Orms iii E	-4011)	ACCEP			_				1 iocai 1e	ai 2014	Ca	lendar Y	ear 2014	4							1 13041 16		dar Year	2015				+
2	M F R #	FY	SERVICE <sup>‡</sup>	PROC QTY		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	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	E A
liss	sile C	ontract											,	· ·									·		·	·	,	,			
1	1	2012	ARMY (I)	802	-	802	-	-	-	-	-	175	175	175	175	102	-	-	-	-											
1	1	2012	• MC (II)	729	-	729	-	-	-	-	-	-	-	-	-	73	175	175	175	131											
1	1	2012	TOTAL	1,531	-	1,531	-	-	-	-	-	175	175	175	175	175	175	175	175	131											
1	1	2013	ARMY (III)	1,403	-	1,403	-	-	-	-	-	-	-	-	-	-	-	-	-	-	175	175	175	175	175	175	175	175	3	-	
1	1	2013	◆ MC (IV)	437	-	437	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	172	175	,
1	1	2013	TOTAL	1,840	-	1,840	-	-	-	-	-	- 1	-	-	-	-	-	-	-	-	175	175	175	175	175	175	175	175	175	175	
1	1	2014	ARMY (V)	988	-	988	-	-	Α -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1	1	2014	◆ MC <sup>(VI)</sup>	465	-	465	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1	1	2014	TOTAL	1,453	-	1,453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,
							0 C T	N O V	D E C	JAN	F E B	M A R	A P R	M A Y	N 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	

Exhibit P-21, Budget Production Schedule: PB 2014 Army Date: April 2013 Appropriation / Budget Activity / Budget Sub Activity: P-1 Line Item Nomenclature: Item Nomenclature: 2032A: Missile Procurement, Army / BA 02: Other Missiles / C59403 - TOW Family of Missiles C59300 - TOW 2 System Summary BSA 30: Anti-Tank/Assault Missile Sys Cost Elements Fiscal Year 2016 Fiscal Year 2017 (Units in Each) ACCEP Calendar Year 2016 Calendar Year 2017 PRIOR BAL М 0 C 0 В F DUE TO 1 0 PROC OCT AS OF С Е Ε A R P R Ü U С 0 U U U E 0 V A Y U Е Е A N Е A R Ρ A L A N FY SERVICE<sup>‡</sup> QTY R N 2015 1 OCT G Missile Contract 802 2012 ARMY (I) 802 729 729 ◆ MC (II) 2012 TOTAL 1,531 1,531 2013 ARMY (III) 1,403 1,403 2013 ◆ MC (IV) 437 347 90 90 2013 TOTAL 1.840 1.750 90 90 ARMY (V) 1 988 988 175 175 175 175 175 113 2014 • MC (VI) 465 465 62 175 175 53 1 2014 TOTAL 1.453 1.453 175 175 175 175 175 175 175 175 53 0 D М В Ν Α М 0 S E P Ü С Е Ρ U U U Ε С 0 V Ε Е A R U U Е Α Α Α R G

LI C59300 - TOW 2 System Summary Army

UNCLASSIFIED Page 8 of 9

P-1 Line #5

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity:	P-1 Line Item Nomenclature:	Item Nomenclature:
2032A: Missile Procurement, Army / BA 02: Other Missiles /	C59300 - TOW 2 System Summary	C59403 - TOW Family of Missiles
BSA 30: Anti-Tank/Assault Missile Sys		

		Product	tion Rates (Each /	Month)	Initial Reorder										
MF					ALT Prior Total After ALT Prior Total Aft										
#	MFR Name - Location	MSR	1-8-5	MAX	to Oct 1	ALT After Oct 1	Mfg PLT	Oct 1	to Oct 1	ALT After Oct 1	Mfg PLT	Oct 1			
1	Raytheon - Tucson, AZ	175.00	600.00	1,400.00	2	3	21	24	3	2	21	23			

#### Remarks:

Multiyear contracts do not follow the Administrative Lead Time shown for annual year contracts. Production rates are by month.FY12-16 Army MultiYear: 6052 (1104, 1396, 988, 1008, 1556).FY12 USMC: 729.FY13 USMC: 437.FY14 USMC: 465.

‡ Delivery rows marked with the ◆ symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

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 greater than 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).

### Service/Agency Suffixes:

- (I) BASE
- (II) BASE
- (III) BASE
- (IV) BASE
- (V) BASE
- (VI) BASE

P-1 Line #5

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<sup>&</sup>quot;A" in the Delivery Schedule indicated the Contract Award Date.

Exhibit P-40 Advance Procurement, Budget Item Justification Sheet: PB 2014 Army

Date: April 2013

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/ Assault Missile Svs

C59300 - TOW 2 System Summary

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

Program Elements for Code B Items:

Other Related Program Elements:

MDAP/MAIS Code(s):

	Prior			FY 2014	FY 2014	FY 2014					То	
Resource Summary	Years	FY 2012	FY 2013 <sup>#</sup>	Base	OCO##	Total	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	145.826	19.886	19.931	19.965	-	19.965	19.984	-	-	-	-	225.592
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	145.826	19.886	19.931	19.965	-	19.965	19.984	-	-	-	-	225.592
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	145.826	19.886	19.931	19.965	-	19.965	19.984	-	-	-	-	225.592
	(The following	g Resource Sum	nmary rows are fo	or informational p	ourposes only. Ti	he corresponding	g budget request	s are documente	ed elsewhere.)	•	1	
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Elyanov Unit Coat (Units in Theyrounds)												

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

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

# **Description:**

Description:

TOW missiles (BGM-71 Series) are combat proven missiles that provide heavy anti-armor/assault capability to the Army's Infantry Brigade Combat Teams (IBCT), the Stryker Brigade Combat Teams (SBCT) and the Bradley equipped Armor Brigade Combat Team (ABCT). TOW continues to be used consistently in Operation Enduring Freedom (OEF) as the weapon of choice in precision combat engagements. TOW missiles are the primary heavy anti-armor / assault missile for the U.S. Marine Corps (USMC) and 43 allied nations. Warfighters employ TOW missiles against buildings and field fortifications taking advantage of the missile's inherent precise assault capability against such targets.

TOW missiles are launched from a variety of combat systems in the active Army and Army National Guard including the Improved Target Acquisition System (ITAS), all infantry and cavalry variants of Bradley Fighting Vehicle Systems (BFVS), the Stryker Anti-Tank Guided Missile (ATGM) Light Armored Vehicle (LAV), and the M220A2 TOW 2 launcher. The USMC employs the TOW missile from its ITAS launchers, ATGM, and AH-1W Cobra helicopters. The TOW missile provides the warfighter with a highly lethal, cost effective, interoperable, multi-purpose weapon.

Item Sch	edule		Р	rior Year	's		FY 2012			FY 2013		FY	2014 Ba	ise	FY	′ 2014 O	co	FY	′ 2014 To	tal
Item Nomenclature*	Exhibits	ID CD	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost
C59300 - TOW 2 System Summary	P10		-	0	-	-	802	19.886	-	1,403	19.931	-	-	-	-	-	-	-	988	19.965
Total Gross/Weapon System Cost					145.826			19.886			19.931			19.965			-			19.965

UNCLASSIFIED

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

									IFIED										
Exhibit P-40 Advance Procu	reme	nt, Bud	lget Ite	m Just	ificatio	n Sheet	t: PB 20	14 Arm	y					Date	: April	2013			
Appropriation / Budget Active 2032A: Missile Procurement, Assault Missile Sys						30: An	ti-Tank/				Systen		ary	1					
ID Code (A=Service Ready, B=Not Service Re	ady) :			l l	rogram	Element	s for Cod	e B Items	):			Othe	er Relate	d Progran	m Eleme	nts:	,		
MDAP/MAIS Code(s):																			
Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018		To	Comple	ete		Total	
Item Nomenclature* Exhibits	ID CD	Unit Cost	Qty (Each)	Total Cost	Unit Cost	<b>Qty</b> (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost
C59300 - TOW 2 System P10 Summary		-	1,008	19.984	-	1,556	-	-	765	-	-	765	-	-	-	-	-	7,287	79.766
Total Gross/Weapon System Cost	19.984										-			-			225.592		
*Item Nomenclature represents Item Numb	er, DOI	OIC, and Ite	em Name	for the P40	A and P5;	Name for t	he P18 and	P23; Mod	fication Nu	ımber and	Modificatio	n Title for t	he P3A; Ite	m Number	and Item I	Name for th	e P10.		
Note: Totals in this Exhibit P-40 set may no	t be ex	act or add o	due to rou	nding.															

LI C59300 - TOW 2 System Summary Army

Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2014 Army Date: April 2013 Appropriation / Budget Activity / Budget Sub Activity: P-1 Line Item Nomenclature: Item Nomenclature (Item Number, Item 2032A: Missile Procurement, Army / BA 02: Other Missiles / C59300 - TOW 2 System Summary Name): BSA 30: Anti-Tank/Assault Missile Sys C59300 - TOW 2 System Summary

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

First System (2014) Completion Date: First System (2014) Award Date: **Interval Between Systems:** August 2012 March 2014 12 Months

									То	
	Prior Years	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)
End Item Quantity	0	802	1,403	988	1,008	1,556	765	765	-	7,287

#### Description:

Advance Procurement funding in FY12, FY13, FY14 and FY15 procures items to support the FY12-16 multi-year contract for 6,885 TOW (BGM-71 Series) missiles.

Cost Element	Procurement Leadtime (Months)	When Rqd (Months)	All Prior Years (\$ M)	FY 2012 (\$ M)	FY 2013 (\$ M)	FY 2014 (\$ M)	FY 2015 (\$ M)	FY 2016 (\$ M)	FY 2017 (\$ M)	FY 2018 (\$ M)	To Complete	<b>Total</b> (\$ M)
Other												
Warhead	19	19	-	6.920	6.965	6.999	7.018	-	-	-	-	27.902
Launch Motor	14	14	-	0.905	0.905	0.905	0.905	-	-	-	-	3.620
Flight Motor	12	12	-	0.170	0.170	0.170	0.170	-	-	-	-	0.680
2B Sensor	18	18	-	8.533	8.533	8.533	8.533	-	-	-	-	34.132
Gyro	13	13	-	1.548	1.548	1.548	1.548	-	-	-	-	6.192
Flight Motor Case Kit	10	10	-	0.351	0.351	0.351	0.351	-	-	-	-	1.404
Control Surface Actuators	13	13	-	0.916	0.916	0.916	0.916	-	-	-	-	3.664
Beacon Shutter Actuator	11	11	-	0.543	0.543	0.543	0.543	-	-	-	-	2.172
Other Subtotal			-	19.886	19.931	19.965	19.984	-	-	-	-	79.766
Total Advance Procurement/Obligation Authority			-	19.886	19.931	19.965	19.984	-	-	-	-	79.766

**UNCLASSIFIED** Page 3 of 4

Exhibit P-10, Advance Procurement Requirements Analys	is (page 2 - Budget Funding Justification): PB 2014 Army	Date: April 2013									
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 Nomenclature: C59300 - TOW 2 System Summary	Item Nomenclature (Item Name, Item Number): C59300 - TOW 2 System Summary									
ID Code (A=Service Ready, B=Not Service Ready) :											
	FY 2014										

ID Code (A-Service Ready, B-Not Service Ready).			
		FY 2014	
	Unit Cost (\$ K)	Qty (Each)	Total Cost Request
End Item	-	988	19.965

				FY 2014		
Cost Elements	<b>QPA</b> (Each)	Procurement Leadtime (Months)	Unit Cost	Qty (Each)	Contract Forecast Date	Total Cost Request
Other			·			
Warhead	-	19	-	-	Dec 2012	6.999
Launch Motor	-	14	-	-	Dec 2012	0.905
Flight Motor	-	12	-	-	Dec 2012	0.170
2B Sensor	-	18	-	-	Dec 2012	8.533
Gyro	-	13	-	-	Dec 2012	1.548
Flight Motor Case Kit	-	10	-	-	Dec 2012	0.351
Control Surface Actuators	-	13	-	-	Dec 2012	0.916
Beacon Shutter Actuator	-	11	-	-	Dec 2012	0.543

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army

Date: April 2013

To

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

FY 2014

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/

**Prior** 

C64400 - Guided MLRS Rocket (GMLRS)

Assault Missile Sys

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

Program Elements for Code B Items:

FY 2014

Other Related Program Elements: 0603778A

MDAP/MAIS Code(s):

Resource Summary	Years	FY 2012	FY 2013 <sup>#</sup>	Base	OCO##	Total	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
Procurement Quantity (Units in Each)	14,754	3,194	1,794	1,788	-	1,788	1,746	1,812	2,526	3,090	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	1,788.280	333.167	239.232	237.216	-	237.216	250.039	256.927	333.965	399.201	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,788.280	333.167	239.232	237.216	-	237.216	250.039	256.927	333.965	399.201	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,788.280	333.167	239.232	237.216	-	237.216	250.039	256.927	333.965	399.201	Continuing	Continuing
	(The following	Resource Sum	mary rows are fo	r informational p	urposes only. Th	he corresponding	g budget request	s are documente	ed elsewhere.)	•	*	
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost	121.206	104.310	133.351	132.671	-	132.671	143.207	141.792	132.211	129.191	Continuing	Continuing

FY 2014

#### Description:

Guided Multiple Launch Rocket System (GMLRS) rockets are surface-to-surface artillery rockets fired from the Multiple Launch Rocket System (MLRS) and High Mobility Artillery Rocket System (HIMARS) launchers. Dual GMLRS rockets provide 24/7, all-weather precision fires to engage both area and point targets at short, medium, and long ranges. The U.S. Marine Corps also procures GMLRS rockets through the Army project office.

The GMLRS Program consists of three separate increments. GMLRS Purpose Improved Conventional Munition (DPICM) was the first increment. It is a cluster munition that replaced the shorter range MLRS rockets to engage area or imprecisely located targets. GMLRS DPICM Production was terminated in response to the June 2008 Department of Defense (DoD) Cluster Munitions Policy. GMLRS Unitary is the second increment that utilizes a 200 lb high explosive warhead to engage point targets with limited collateral damage. GMLRS Unitary is currently in its fifth year of full rate production through annual production contracts. GMLRS Alternative Warhead (AW) is being developed as a non-cluster munition to replace GMLRS DPICM. The Program is currently in the EMD Phase and scheduled to enter full rate production in FY15. The GMLRS AW rocket is 90% common with the Unitary variant. The U.S. Army continues to execute the GMLRS Program with no major cost, schedule, or performance issues.

GMLRS Procurement funding (C64400) includes GMLRS full rate production (C64400) as well as the procurement of Multiple Launch Rocket System (MLRS) Common Test Devices (C65406).

Item Sche	Item Schedule		Р	Prior Years			FY 2012			FY 2013		FY	2014 Ba	se	FY	2014 O	co	FY	2014 To	tal
Item Nomenclature*	Exhibits	CD	Unit Cost (\$ K)	<b>Qty</b> (Each)	Total Cost	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost
C65404 - GUIDED MLRS ROCKET (GMLRS)	P5, P5A, P21		121.088	-	1,786.527	104.310	3,194	333.167	133.113	1,794	238.805	132.429	1,788	236.783	-	-	-	132.429	1,788	236.783

LI C64400 - Guided MLRS Rocket (GMLRS) Army UNCLASSIFIED
Page 1 of 10

P-1 Line #7

<sup>&</sup>lt;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

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army

Date: April 2013

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/ Assault Missile Sys

C64400 - Guided MLRS Rocket (GMLRS)

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

Program Elements for Code B Items:

Other Related Program Elements: 0603778A

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

Item Sche	edule		P	rior Year	's		FY 2012			FY 2013		FY	2014 Ba	ase	FY	2014 O	co	FY	FY 2014 Total	
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M) 0.427	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	(\$ M )	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
GMLRS Training Devices	P40A		-	-	1.788.280	-	-		-	-	239.232	-	-	237.216	-	-	-	-		237.216
Total Gross/Weapon System Cost					1,788.280			333.167			239.232			237.216			-	i l		237.216
Item Sche	dule			FY 2015			FY 2016			FY 2017			FY 2018		To	Comple	te	Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost
C65404 - GUIDED MLRS ROCKET (GMLRS)	P5, P5A, P21		-	-	-	-	-	-	-	-	-	-	-	-		Continuing			,	
GMLRS Training Devices	P40A		-	-	-	-	-	-	-	-	-	-	-	-		Continuing			Continuing	
Total Gross/Weapon System Cost					250.039			256.927			333.965			399.201	.201 Continuing			Continuing		J

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P48 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

#### Justification:

FY 2014 Base procurement dollars in the amount of \$236.783 million supports the acquisition of 1788 GMLRS Unitary rockets for the United States Army and procures the support and equipment for maintenance and obsolescence issues with the fielded Multiple Launch Rocket System Common Test Device (MCTD) Trainers hardware and software. The Army Procurement Objective is 43560 Rockets.

FY2014 Base procurement dollars in the amount of \$.433 million supports the acquisition of support and equipment for maintenance and obsolesence issues with the fielded Multiple Launch Rocket System Common Test Device (MCTD) Trainers hardware and software.

The column on the Tactical GMLRS line in the P-5 for base rockets includes base rocket quantity cost and other production contract CLINs such as Army Integrated Logistic Support (ILS) and Obsolescence.

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.

**UNCLASSIFIED** 

Appropriation / Budget Activity / Budget Sub Activity: 2032A: Missile Procurement, Army / BA 02: Other Missiles /

Exhibit P-5, Cost Analysis: PB 2014 Army

BSA 30: Anti-Tank/Assault Missile Sys

260

MDAP/MAIS Code: P-1 Line Item Nomenclature:

C64400 - Guided MLRS Rocket (GMLRS)

Date: April 2013 Item Nomenclature (Item Number - Item

Name, DODIC):

C65404 - GUIDED MLRS ROCKET

(GMLRS)

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 (Units in Each)	-	3,194	1,794	1,788	-	1,788	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	1,786.527	333.167	238.805	236.783	-	236.783	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,786.527	333.167	238.805	236.783	-	236.783	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,786.527	333.167	238.805	236.783	-	236.783	-	-	-	-	Continuing	Continuing
	(The following	g Resource Sum	mary rows are fo	or informational p	ourposes only. Ti	he corresponding	budget reques	ts are documente	ed elsewhere.)			
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Crass Manney Cyatam Unit Coat	101 000	104 240	122 112	122 120		122 420					Continuing	Continuing

Gross/Weapon System Unit Cost 121.088 104.310 133.113 132.429 132.429 Continuing Continuing (Units in Thousands)

LI C64400 - Guided MLRS Rocket (GMLRS)

The FY 2014 OCO F	reque	St Will De St	abililiteu at a	i latel uate															
		Al	I Prior Yea	irs		FY 2012			FY 2013		F	/ 2014 Bas	se e	F`	Y 2014 OC	0	F	/ 2014 Tot	al
Cost Elements († indicates the presence of a P-5A)	ID CD	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost									,										
Recurring Cost																			
† Tactical GMLRS		99.869	14,754	1,473.462	92.561	3,194	295.640	109.000	1,794	195.546	112.881	1,788	201.831	-	-	-	112.881	1,788	201.831
Engineering Services		-	-	63.874	-	-	6.838	-	-	7.771	-	-	7.114	-	-	-	-	-	7.114
Ind Maint/Init Prod Fac		-	-	55.971	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interim Contractor Support		-	-	4.539	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Government Test		-	-	26.708	-	-	5.251	-	-	6.471	-	-	6.194	-	-	-	-	-	6.194
First Destination Transportation		-	-	2.709	-	-	0.405	-	-	0.260	-	-	0.278	-	-	-	-	-	0.278
Production Engineering Support		-	-	96.919	-	-	18.901	-	-	18.030	-	-	16.108	-	-	-	-	-	16.108
Project Management Admin		-	-	43.177	-	-	5.720	-	-	5.427	-	-	5.258	-	-	-	-	-	5.258
GMLRS Training Devices		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MCTD Upgrades- Software Engineering		-	-	-	-	-	-	-	-	5.300	-	-	-	-	-	-	-	-	-
Msl Test Device and Trainer		-	-	17.891	-	-	0.412	-	-	-	-	-	-	-	-	-	-	-	-
Spares		-	-	1.277	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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P-1 Line #7

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<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

Exhibit P-5, Cost Analysis: PB 2014 Army				Date: April 2013	
,	MDAP/MAIS Code: 260		tem Nomenclature: Guided MLRS Rocket	Name, DODIC):	Eure (Item Number - Item ED MLRS ROCKET
All Prior Years FY 2012	FY 20	13	FY 2014 Base	FY 2014 OCO	FY 2014 Total

		Al	Prior Yea	ırs		FY 2012			FY 2013		F	Y 2014 Bas	se	F`	Y 2014 OCC	)	F	/ 2014 Tot	al
Cost Elements († indicates the presence of a P-5A)	ID CD	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)
Total Recurring Cost				1,786.527			333.167			238.805			236.783			-			236.783
Total Flyaway Cost				1,786.527			333.167			238.805			236.783			-			236.783
Gross Weapon System Cost				1,786.527			333.167			238.805			236.783			-			236.783

			FY 2015			FY 2016			FY 2017			FY 2018		To	Complet	е		Total Cost	t
Cost Elements († indicates the presence of a P-5A)	ID CD	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost																	•		
Recurring Cost																			
† Tactical GMLRS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ind Maint/Init Prod Fac		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interim Contractor Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Government Test		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
First Destination Transportation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production Engineering Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Project Management Admin		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GMLRS Training Devices		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MCTD Upgrades- Software Engineering		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Msl Test Device and Trainer		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			-			-			-			-			-
Total Flyaway Cost				-			-			-			-			-			-
Gross Weapon System Cost				-			-			-			-		Continuing			Continuing	

P-5 Remarks:

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Exhibit P-5, Cost Analysis: PB 2014 Army			Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/Assault Missile Sys	MDAP/MAIS Code: 260	P-1 Line Item Nomenclature: C64400 - Guided MLRS Rocket (GMLRS)	Item Nomenclature (Item Number - Item Name, DODIC): C65404 - GUIDED MLRS ROCKET (GMLRS)

Secon	dary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	3,194	1,794	1,788	-	1,788	-	-	-	-
	Total Obligation Authority	333.167	238.805	236.783	-	236.783	-	-	-	-

Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 02: Other Missiles /

C64400 - Guided MLRS Rocket (GMLRS)

Date: April 2013

Item Nomenclature:

C65404 - GUIDED MLRS ROCKET

BSA 30: Anti-Tank/Assault Missile Sys

Cost Elements († indicates the presence of a P-21)	0 0	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
†Tactical GMLRS		2012	Lockheed Martin M.&F.C Sys. / Dallas, TX	SS / FFP	AMCOM	Jun 2012	Jul 2013	3,194	92.561	N		May 2011
†Tactical GMLRS		2013	Lockheed Martin M.&F.C Sys. / Dallas, TX	SS / FFP	AMCOM	Dec 2012	Jan 2014	1,794	109.000	N		Aug 2012
†Tactical GMLRS		2211	Lockheed Martin	00 / 550				4 700				

AMCOM

Mar 2014

Apr 2015

1.788

SS / FFP

#### Remarks:

Lockheed Martin is currently the industry source that is both facilitized and qualified to produce the GMLRS rocket.

M.&F.C Sys. / Dallas, TX

2014

Aug 2013

(GMLRS)

112.881

<sup>\*</sup>Sole Source/Firm Fixed Price

<sup>\*\*</sup>Aviation and Missile Command, Redstone Arsenal, Alabama

Exhibit P-21, Budget Production Schedule: PB 2014 Army

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 Nomenclature:

C64400 - Guided MLRS Rocket (GMLRS)

C65404 - GUIDED MLRS ROCKET (GMLRS)

<u> </u>																								\ -	- /						
			Cost Elen (Units in E									Fiscal Y	ear 2012	!										Fiscal Y	ear 2013						
					ACCEP									(	alendar	Year 201	2								Caler	ndar Yea	2013				1
0 C 0	M F R	FY	SERVICE <sup>‡</sup>	PROC QTY	PRIOR TO 1 OCT 2011	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	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 O C	J U L	A U G	S E P	B A L
Та	ctical	GMLRS																													
	1	2012	ARMY	3,194	-	3,194	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-		266	267	267	2,394
	1	2012	◆ MC	96	-	96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8	8	72
	1	2012	TOTAL	3,290	-	3,290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	274	275	275	2,466
	1	2013	ARMY	1,794	-	1,794	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	1,794
	1	2013	◆ MC	1,398	-	1,398	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,398
	1	2013	TOTAL	3,192	-	3,192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,192
	1	2014	ARMY	1,788	-	1,788	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,788
	1	2014	◆ MC	36	-	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36
	1	2014	TOTAL	1,824	-	1,824	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,824
							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	N N C	U U	A U G	S E P	B A L

Exhibit P-21, Budget Production Schedule: PB 2014 Army Date: April 2013 Appropriation / Budget Activity / Budget Sub Activity: P-1 Line Item Nomenclature: Item Nomenclature: 2032A: Missile Procurement, Army / BA 02: Other Missiles / C64400 - Guided MLRS Rocket (GMLRS) C65404 - GUIDED MLRS ROCKET BSA 30: Anti-Tank/Assault Missile Sys (GMLRS) Cost Elements Fiscal Year 2014 Fiscal Year 2015 (Units in Each) ACCEP Calendar Year 2015 Calendar Year 2014 PRIOR М BAL 0 C 0 DUE В F TO 1 0 PROC С Р U С 0 Ü U U E OCT AS OF 0 Е Е A R Α U U Е Ε A N Ε A R Ρ Α Α FY SERVICE<sup>‡</sup> QTY R R 2013 1 OCT В G Ν Tactical GMLRS 2012 ARMY 3,194 800 2,394 266 266 266 266 266 266 266 266 266 96 24 72 8 • MC 2012 TOTAL 3,290 824 2,466 274 274 274 274 274 274 274 274 274 1 2012 -2013 ARMY 1,794 1,794 144 126 126 126 126 126 162 174 174 180 180 150 2013 119 120 119 1 • MC 1,398 1,398 81 119 119 119 119 119 119 125 120 1 TOTAL 3,192 3,192 225 245 245 245 245 245 281 293 294 305 300 150 119 2013 --ARMY 1,788 1,788 181 181 181 883 2014 1 2014 • MC 36 36 3 3 3 21 1 2014 TOTAL 1,824 1,824 184 184 184 184 184 904 -М М В Α s 0 Ν D Ε Α Е Α U Ε С 0 Ε A N Ε A R U Е A L P R R Υ Т ν R Υ Т Ν В G Ρ С В Ν G Ν

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LI C64400 - Guided MLRS Rocket (GMLRS) Army

											O.	ICL/															
nibit P-21, B	udget F	Produ	ction	Sched	dule:	PB 20	014 A	rmy													Date	e: Apr	il 201	3			
propriation 32A: Missile A 30: Anti-Ta	Procure	ment,	Army	/ BA 0						<b>Line</b> 1400 -						MLRS	S)				C65	<b>Non</b> 404 - ILRS)			e: MLRS	ROC	KET
	Elements									2012							,									,	
(Uni	s in Each)	ACCEP		_				- 1	iscal Y	ear 2016		Calendai	Year 20	16							Fiscal Y	ear 2017 Caler	ıdar Yeaı	2017			
M F R # FY SERVI	PROC	PRIOR TO 1 OCT		O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P
ical GMLRS																								l			
2012 ARMY	3,194	3,194	-	_			,																				
2012 • MC	96	96	-																								
2012 TOTAL	3,290	3,290	-																								
2013 ARMY	1,794		_																								
2013 • MC	1,398																										
2013 TOTAL		+ -			1																						
2014 ARMY	1,788			181	181	181	181	159	-	-																	
2014 • MC 2014 TOTAL	36	+		3	3	3	3	3	3	3																	
2014 TOTAL	1,824	920	904	184 O	184 N	184 D	184 J	162 F	3 M	A	М	J	J	A	s	0	N	D	J	F	М	Α	М	J	J	Α	s

LI C64400 - Guided MLRS Rocket (GMLRS) Army

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Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
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 Nomenclature: C64400 - Guided MLRS Rocket (GMLRS)	Item Nomenclature: C65404 - GUIDED MLRS ROCKET (GMLRS)

		Product	ion Rates (Each / I	Month)				Procurement Lea	dtime (Months)			
						Initi	al			Reo	rder	
MFF #	MFR Name - Location	MSR	1-8-5	MAX	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	Lockheed Martin M.&F.C Sys Dallas, TX	154.00	250.00	500.00	3	3 2	11	13	-	2	11	13

#### Remarks:

Production of GMLRS varies as this program shares a production line with LCRRPRs. There are no production gaps during months that GMLRS are not being produced as LCRRPRs Rocket production continues. For FY13 there have been no Letters of Request for FMS procurement of GMLRS rockets.

‡ Delivery rows marked with the ◆ 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 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).

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army

Date: April 2013

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/

C65405 - MLRS Reduced Range Practice Rockets (RRPR)

Assault Missile Sys

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

**Program Elements for Code B Items:** 

Other Related Program Elements: 0210602A

MDAP/MAIS Code(s):

	Prior			FY 2014	FY 2014	FY 2014					То	
Resource Summary	Years	FY 2012	FY 2013 <sup>#</sup>	Base	OCO##	Total	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
Procurement Quantity (Units in Each)	18,137	2,370	2,430	2,412	-	2,412	2,706	2,706	2,688	3,000	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	119.285	18.175	18.767	19.022	-	19.022	21.506	21.873	22.307	22.839	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	119.285	18.175	18.767	19.022	-	19.022	21.506	21.873	22.307	22.839	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	119.285	18.175	18.767	19.022	-	19.022	21.506	21.873	22.307	22.839	Continuing	Continuing
	(The following	Resource Sum	mary rows are fo	r informational p	urposes only. Th	he corresponding	budget requests	s are documente	d elsewhere.)			
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost	6.577	7.669	7.723	7.886	-	7.886	7.948	8.083	8.299	7.613	Continuing	Continuing

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

#### **Description:**

(Units in Thousands)

The Multiple Launch Rocket System (MLRS) Low Cost Reduced Range Practice Rocket (RRPR) is the only live training rocket for High Mobility Artillery Rocket System (HIMARS) and M270/M270A1 MLRS Launcher units/crews. RRPR meets a critical validated requirement for Active and Reserve HIMARS and M270A1 launcher units to achieve and maintain combat readiness. HIMARS and M270A1 Battalions are organic and attached to modular Fires Brigades supporting Brigade Combat Teams (BCTs), Joint Expeditionary Force, and Joint Special Operations Force combatant commanders. The training rocket has an inert payload section and blunt nose for inducing reduced range for use at multiple facilities in the United States and foreign countries.

RRPRs are manufactured by Lockheed Martin in Camden, Arkansas.

Second	dary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	1,332	1,270	1,261	-	1,261	1,415	1,415	1,405	1,569
	Total Obligation Authority	10.217	10.632	10.000	-	10.000	12.829	13.389	13.985	14.152
ANG	Quantity	1,038	1,160	1,151	-	1,151	1,291	1,291	1,283	1,431
	Total Obligation Authority	7.958	8.135	9.022	-	9.022	8.677	8.484	8.322	8.687

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

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army

Date: April 2013

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/ Assault Missile Sys

C65405 - MLRS Reduced Range Practice Rockets (RRPR)

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

Program Elements for Code B Items:

Other Related Program Elements: 0210602A

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

Item Sche	dule		P	rior Year	's		FY 2012			FY 2013		FY	′ 2014 Ba	se	FY	2014 O	co	FY	2014 To	tal
Item Nomenclature*	Exhibits	ID CD	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost									
C65405 - MLRS Reduced Range Practice Rockets (RRPR)	P5, P5A, P21		6.577	-	119.285	7.669	2,370	18.175	7.723	2,430	18.767	7.886	2,412	19.022	-	-	-	7.886	2,412	19.022
Total Gross/Weapon System Cost					119.285			18.175			18.767			19.022			-			19.022
Item Sche	dule			FY 2015			FY 2016			FY 2017			FY 2018		To	Comple	te		Total	
Item Nomenclature*	Exhibits	ID CD	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost									
C65405 - MLRS Reduced Range Practice Rockets (RRPR)	P5, P5A, P21		-	-	-	-	-	-	-	-	-	-	-	-	(\$ K) (Each) (\$ M)				Continuing	,
Total Gross/Weapon System Cost					21.506			21.873			22.307			22.839		Continuing			Continuing	ı

<sup>\*</sup>Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P48 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P40.

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

#### Justification

FY2014 Base procurement dollars in the amount of \$19.022 million support funding to procure 2412 RRPRs which are required to maintain the practice rocket inventory for Standards in Training Commission (STRC) requirements.

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.

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Exhibit P-5, Cost Analysis: PB 2014 Army

P-1 Line Item Nomenclature:

Item Nomenclature (Item Number - Item

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/Assault Missile Sys

Appropriation / Budget Activity / Budget Sub Activity:

C65405 - MLRS Reduced Range Practice Rockets (RRPR)

Name, DODIC):

Date: April 2013

C65405 - MLRS Reduced Range Practice Rockets (RRPR)

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 (Units in Each)	-	2,370	2,430	2,412	-	2,412	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	119.285	18.175	18.767	19.022	-	19.022	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	119.285	18.175	18.767	19.022	-	19.022	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	119.285	18.175	18.767	19.022	-	19.022	-	-	-	-	Continuing	Continuing

	(The following	Resource Sumr	mary rows are fo	r informational p	urposes only. Th	ne corresponding	budget request	s are documente	ed elsewhere.)			
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (Units in Thousands)	6.577	7.669	7.723	7.886	-	7.886	-	-	-	-	Continuing	Continuing

<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

		All	Prior Yea	rs		FY 2012			FY 2013		F	/ 2014 Bas	se	F`	Y 2014 OC	0	F	Y 2014 Tot	al
Cost Elements († indicates the presence of a P-5A)	ID CD	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost					'				,										
Recurring Cost																			
† Reduced Range Practice Rocket (LCRRPR)		-	-	88.277	5.650	2,370	13.399	5.840	2,430	14.194	5.990	2,412	14.448	-	-	-	5.990	2,412	14.44
Warheads Govt Furnished Equip (GFE)		-	-	10.313	-	-	2.004	-	-	1.717	-	-	1.716	-	-	-	-	-	1.71
Engineering Services		-	-	3.066	-	-	0.289	-	-	0.298	-	-	0.302	-	-	-	-	-	0.30
Test and Evaluation		-	-	2.860	-	-	0.415	-	-	0.427	-	-	0.411	-	-	-	-	-	0.41
First Destination Transportation		-	-	0.402	-	-	0.028	-	-	0.016	-	-	0.016	-	-	-	-	-	0.01
Project Management Admin		-	-	7.237	-	-	0.652	-	-	0.682	-	-	0.646	-	-	-	-	-	0.64
Production Engineering Support		-	-	7.130	-	-	1.388	-	-	1.433	-	-	1.483	-	-	-	-	-	1.48
Total Recurring Cost				119.285			18.175			18.767			19.022			-			19.02
Total Flyaway Cost				119.285			18.175			18.767			19.022			-			19.02
Gross Weapon System Cost				119.285			18.175			18.767			19.022			-			19.02

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Exhibit P-5, Cost Analysis: PB 2014 Army

P-1 Line Item Nomenclature:

Date: April 2013

Item Nomenclature (Item Number - Item

Appropriation / Budget Activity / Budget Sub Activity: 2032A: Missile Procurement, Army / BA 02: Other Missiles /

C65405 - MLRS Reduced Range Practice Rockets (RRPR)

Name, DODIC): C65405 - MLRS Reduced Range

Practice Rockets (RRPR)

BSA 30: Anti-Tank/Assault Missile Sys	

			FY 2015			FY 2016			FY 2017			FY 2018		To	Complet	e		Total Cost	:
Cost Elements († indicates the presence of a P-5A)	ID CD	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost																			
Recurring Cost																			
† Reduced Range Practice Rocket (LCRRPR)		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Warheads Govt Furnished Equip (GFE)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Test and Evaluation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
First Destination Transportation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Project Management Admin		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production Engineering Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			-			-			-			-			-
Total Flyaway Cost				-			-			-			-			-			-
Gross Weapon System Cost				-			-			-			-		Continuing			Continuing	

#### P-5 Remarks:

Secon	ndary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	1,332	1,270	1,261	-	1,261	-	-	-	-
	Total Obligation Authority	10.217	10.632	10.000	-	10.000	-	-	-	-
ANG	Quantity	1,038	1,160	1,151	-	1,151	-	-	-	-
	Total Obligation Authority	7.958	8.135	9.022	-	9.022	-	-	-	-

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Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

Item Nomenclature:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/Assault Missile Sys

C65405 - MLRS Reduced Range Practice Rockets (RRPR)

C65405 - MLRS Reduced Range Practice Rockets (RRPR)

Cost Elements († indicates the presence of a P-21)	0 C 0	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Date Ro Now? Ava	
†Reduced Range Practice Rocket (LCRRPR)		2012	Lockheed Martin / Dallas	SS / FFP	AMCOM, RSA, AL	Jun 2012	Jul 2013	2,370	5.650	N	May 2011
†Reduced Range Practice Rocket (LCRRPR)		2013	Lockheed Martin / Dallas	SS / FFP	AMCOM, RSA,AL	Dec 2012	Jan 2014	2,430	5.840	N	Jul 2012
†Reduced Range Practice Rocket (LCRRPR)		2014	Lockheed Martin / Dallas	SS / FFP	AMCOM, RSA, AL	Mar 2014	Apr 2015	2,412	5.990	N	Aug 2013

#### Remarks

Lockheed Martin is currently the industry source that is both facilitized and qualified to produce the Low Cost Reduced Range Practice Rocket.

<sup>\*</sup> Sole source/Firm Fixed Price

<sup>\*\*</sup> Aviation and Missile Command, Redstone Arsenal, AL

Exhibit P-21, Budget Production Schedule: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 02: Other Missiles /
BSA 30: Anti-Tank/Assault Missile Sys

Date: April 2013

Item Nomenclature:
C65405 - MLRS Reduced Range Practice Rockets (RRPR)
P-1 Line Item Nomenclature:
C65405 - MLRS Reduced Range Practice Rockets (RRPR)

			Cost Eler (Units in									Fiscal Y	ear 2012	!										Fiscal Y	ear 2013						
					ACCEP									(	Calendar	Year 201	2								Caler	ndar Year	r 2013				
0 0	M F R	FY	SERVICE <sup>‡</sup>	PROC QTY	PRIOR TO 1 OCT 2011	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	N 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	J U N	J U	A U G	S E P	B A L
Re	duce	d Range	Practice Roc	ket (LCR	RPR)																										
	1	2012	ARMY	2,370	-	2,370	-	-	-	-	-	-	-	-	Α -	-	-	-	-	-	-	-	-	-	-	-	-	197	197	197	1,779
	1	2012	◆ MC	630	-	630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	53	53	471
	1	2012	TOTAL	3,000	-	3,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	250	250	250	2,250
	1	2013	ARMY (VII)	2,430	-	2,430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	2,430
	1	2013	◆ MC (VIII)	732	-	732	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	732
	1	2013	TOTAL	3,162	-	3,162	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- 1	-	-	3,162
	1	2014	ARMY (IX)	2,412	-	2,412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,412
	1	2014	◆ MC <sup>(X)</sup>	204	-	204	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	204
	1	2014	TOTAL	2,616	-	2,616	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,616
							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	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, Budget Production Schedule: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/Assault Missile Sys

Date: April 2013

Item Nomenclature:

C65405 - MLRS Reduced Range Practice Rockets (RRPR)

P-1 Line Item Nomenclature:

C65405 - MLRS Reduced Range Practice Rockets (RRPR)

			Cost Eler (Units in I					,				Fiscal Y	ear 2014	,										Fiscal Ye	ar 2015						
					ACCEP									С	alendar	Year 201	4								Calend	dar Year	2015				
0 0	M F R	FY	SERVICE <sup>‡</sup>	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	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	A U G	S E P	B A L
Re	educe	d Range	Practice Roc	ket (LCR	RPR)			· ·		Î				· ·																	
	1	2012	ARMY	2,370	591	1,779	197	197	197	198	198	198	198	198	198																-
	1	2012	◆ MC	630	159	471	53	53	53	52	52	52	52	52	52															ſ	-
	1	2012	TOTAL	3,000	750	2,250	250	250	250	250	250	250	250	250	250															Ī	-
	1	2013	ARMY (VII)	2,430	-	2,430	-	-	-	202	202	202	202	202	202	202	202	202	204	204	204									Ī	-
	1	2013	◆ MC <sup>(VIII)</sup>	732	-	732	-	-	-	61	61	61	61	61	61	61	61	61	61	61	61										-
	1	2013	TOTAL	3,162	-	3,162	-	-	-	263	263	263	263	263	263	263	263	263	265	265	265									Ì	-
	1	2014	ARMY (IX)	2,412	-	2,412	-	-	-	-	-	Α -	-	-	-	-	-	-	-	-	-	-	-	-	201	201	201	201	201	201	1,206
	1	2014	◆ MC <sup>(X)</sup>	204	-	204	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	17	17	17	17	17	102
	1	2014	TOTAL	2,616	-	2,616	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	218	218	218	218	218	218	1,308
							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

66

ibit F	P-21,	Budg	get Pi	roduc	ction	Sched	dule:	PB 2	014 A	rmy													Date	e: Apr	il 201	3				
2A: N	<b>Missil</b>	<b>n / Bu</b> e Prod Tank/ <i>i</i>	curen	nent, <i>i</i>	Army .	/ BA 0									encla educe			actic	e Roc	kets (	RRPF	₹)	C65	405 -	nencla MLR: Rocke	S Rec	duced	Ran	ge	
		ost Eleme Units in Ea									Fiscal Ye	ear 2016							,				Fiscal Y	ear 2017						
				ACCEP PRIOR	BAL								(	Calenda	Year 201	6								Caler	dar Year	2017				$\perp$
FY	r SE		PROC QTY	TO 1 OCT 2015	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J L	A U G	S E P	E A
ed Ran	nge Prac	tice Rocke	et (LCRR	PR)													1							-						
201	12 AR	MY	2,370	2,370	-																									
201			630	630	-																									
201		TAL	3,000	3,000	-																									
201		MY <sup>(VII)</sup>	2,430	2,430	-																									
201	13 + N	IC (VIII)	732	732	-																									L
201		TAL	3,162	3,162	-							ı																		
201	14 AR	MY (IX)	2,412	1,206	1,206	201	201	201	201	201	201																			L
201	14 • N	IC (X)	204	102	102	17	17	17	17	17	17																			
201	14 TO	TAL	2,616	1,308	1,308	218	218	218	218	218	218																			

LI C65405 - MLRS Reduced Range Practice Rockets (RRPR) Army

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Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
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 Nomenclature: C65405 - MLRS Reduced Range Practice Rockets (RRPR)	Item Nomenclature: C65405 - MLRS Reduced Range Practice Rockets (RRPR)

		Product	tion Rates (Each /	Month)				Procurement Lea	adtime (Months)			
						Init	ial			Reo	rder	
MF					ALT Prior			Total After	ALT Prior			Total After
#	MFR Name - Location	MSR	1-8-5	MAX	to Oct 1	ALT After Oct 1	Mfg PLT	Oct 1	to Oct 1	ALT After Oct 1	Mfg PLT	Oct 1
1	Lockheed Martin - Dallas	42.00	480.00	960.00	8	2	11	13	-	2	11	13

#### Remarks:

Production of LCRRPRs varies as this program shares a production line with GMLRS. There are no production gaps during months that RRPRs are not being produced as GMLRS Rocket production continues.

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).

#### Service/Agency Suffixes:

(VII) BASE

(VIII) BASE

(IX) BASE

(X) BASE

<sup>‡</sup> Delivery rows marked with the • symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

<sup>&</sup>quot;A" in the Delivery Schedule indicated the Contract Award Date.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army

Date: April 2013

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/

C02901 - High Mobility Artillery Rocket System (HIMARS)

Assault Missile Sys

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

Program Elements for Code B Items:

Other Related Program Elements: 0210608A, 0603778A

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 (Units in Each)	375	-	-	-	-	-	-	-	-	-	-	375
Gross/Weapon System Cost (\$ in Millions)	1,632.174	31.674	12.051	-	-	-	-	-	-	-	-	1,675.899
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,632.174	31.674	12.051	-	-	-	-	-	-	-	-	1,675.899
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,632.174	31.674	12.051	-	-	-	-	-	-	-	-	1,675.899
	(The following	Populino Sum	many rowe are fo	r informational r	urnosos only Ti	a corresponding	a hudaat raauaat	a ara dagumanta	d alaquibara )			

	(The following	Resource Sum	mary rows are fo	r informational p	ourposes only. Th	ne corresponding	g budget request	s are documente	ed elsewhere.)	,		
Initial Spares (\$ in Millions)	73.322	0.937	-	-	-	-	-	-	-	-	-	74.259
Flyaway Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

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

## **Description:**

The M142 High Mobility Artillery Rocket System (HIMARS) is a full spectrum, combat proven, all weather, 24/7 lethal and responsive, precision strike weapon system that fully supports more deployable, affordable and lethal, Brigade Combat Teams, Fires Brigade, Modular Forces, and Joint Expeditionary Forces. The HIMARS launcher is a C-130 transportable, wheeled, indirect fire, rocket/missile launcher capable of engaging a variety of targets while firing all rockets and missiles in the current and future Multiple Launch Rocket System (MLRS) Family of Munitions (MFOM) and Army Tactical Missile System (ATACMS) Family of Munitions (AFOM) out to ranges of 300 kilometers. The HIMARS launcher has extensive commonality in both functionality and operational employment with the MLRS M270A1 tracked launcher and consists of a Fire Control System, a carrier (FMTV XM1140A1 automotive chassis) and a launcher-loader module (LLM) that performs all operations necessary to complete a fire mission. HIMARS also satisfies the Army's digitization requirements by interfacing with the Advanced Field Artillery Tactical Data System (AFATDS) fire support command and control system. HIMARS, as part of the Fires Brigade, provides fires that shape, shield and isolate the battle space and while using both precision GMLRS and ATACMS Unitary munitions, HIMARS provides close support fires for Troops in Contact (TIC) in both open and urban terrain. The HIMARS provides Joint Expeditionary Forces a flexible and lethal rocket/missile capability. HIMARS units can be quickly tailored for centralized or decentralized execution throughout the entire battle space in support of ground forces. The program also includes training devices for tactical training, classroom training, and handling exercises for optimal performance. HIMARS has been deployed to Operation Iraqi Freedom (OIF) and is still

supporting Operation Enduring Freedom (OEF) with great success by both US Army and Marine Corps units.

Seco	ndary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	12.051	-	-	-	-	-	-	-

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

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army

Date: April 2013

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/ Assault Missile Sys

C02901 - High Mobility Artillery Rocket System (HIMARS)

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

Program Elements for Code B Items:

Other Related Program Elements: 0210608A, 0603778A

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

Item Sche	dule	)		Р	rior Yea	rs		FY 2012		, , , , ,			FY	2014 Ba	se	FY 2014 OCO			FY 2014 Total		
Item Nomenclature*		Exhibits	ID CD	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost			Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost
C03000 - HIMARS LAUNCHER	P5			-	-	1,586.725	-	-	24.184	-	-	12.051	-	-	-	-	-	-	-	-	-
C03001 - HIMARS Training Devices	P5			-	-	45.449	-	-	7.490	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost						1,632.174			31.674			12.051			-			-			-

\*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.

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

#### Justification:

There is no funding requested in FY14.

Exhibit P-5, Cost Analysis: PB 2014 Army

Date: April 2013

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 02: Other Missiles /

P-1 Line Item Nomenclature:

Item Nomenclature (Item Number - Item

BSA 30: Anti-Tank/Assault Missile Sys

C02901 - High Mobility Artillery Rocket System (HIMARS)

Name, DODIC):

C03000 - HIMARS LAUNCHER

-						
Resource Summary	Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO##	FY 2014 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,586.725	24.184	12.051	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,586.725	24.184	12.051	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,586.725	24.184	12.051	-	-	-

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

		All	Prior Yea	rs		FY 2012			FY 2013		F`	Y 2014 Bas	se	F	Y 2014 OC	)	F	/ 2014 Tota	al
Cost Elements († indicates the presence of a P-5A)	ID CD	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost																			
Recurring Cost																			
Launcher		2,518.995	375	944.623	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carrier		443.256	375	166.221	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Services		-	-	95.653	-	-	9.462	-	-	4.521	-	-	-	-	-	-	-	-	-
Fielding		-	-	48.355	-	-	4.459	-	-	2.569	-	-	-	-	-	-	-	-	-
Facilitization		-	-	28.410	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Project Management Admin		-	-	86.133	1.009	5,647	5.695	-	-	2.396	-	-	-	-	-	-	-	-	-
Production Engineering		-	-	82.053	-	-	2.812	-	-	1.386	-	-	-	-	-	-	-	-	-
Government Testing		-	-	27.200	-	-	0.987	-	-	0.487	-	-	-	-	-	-	-	-	-
Peculiar Support Equipment		-	-	34.755	-	-	0.769	-	-	0.692	-	-	-	-	-	-	-	-	-
Initial Spares		-	-	73.322	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				1,586.725			24.184			12.051			-			-			-
Total Flyaway Cost				1,586.725			24.184			12.051			-			-			-
Gross Weapon System Cost				1,586.725			24.184			12.051			-			-			-

P-5 Remarks:

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

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
	P-1 Line Item Nomenclature: C02901 - High Mobility Artillery Rocket System (HIMARS)	Item Nomenclature (Item Number - Item Name, DODIC): C03000 - HIMARS LAUNCHER

Seco	ondary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	11.056	12.051	-	-	-
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	13.128	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 02: Other Missiles /
BSA 30: Anti-Tank/Assault Missile Sys

Date: April 2013

Item Nomenclature (Item Number - Item Nomenclature: C02901 - High Mobility Artillery Rocket System (HIMARS)

C03001 - HIMARS Training Devices

Resource Summary	Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO##	FY 2014 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	45.449	7.490	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	=	-	-
Net Procurement (P1) (\$ in Millions)	45.449	7.490	-	=	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	45.449	7.490	-	-	-	-
(The following Resource Sun	many rows are for information	onal nurnoses only. The con	respondina hudaet reauest.	s are documented elsewhe	re )	

(The following Resource Sum	mary rows are for information	onal purposes only. The cor	responding budget request	s are documented elsewhe	re.)									
Initial Spares (\$ in Millions)	uitial Spares (\$ in Millions)													
Gross/Weapon System Unit Cost (Units in Thousands)	-	-	-	-	-	-								

<sup>&</sup>lt;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

2011.0001					1						,								
		Al	I Prior Yea	ırs		FY 2012			FY 2013		F'	Y 2014 Bas	se	F'	Y 2014 OC	<b>O</b>	F'	Y 2014 Tot	.al
Cost Elements († indicates the presence of a P-5A)	ID CD	UIIIL COSL	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)												
Flyaway Cost														•					
Recurring Cost																			
OMEMS Tactical Trainer		-	-	33.361	-	-	6.552	-	-	-	-	-	-	-	-	-	-	-	-
MFOM Simulator (MLPA)		-	-	7.555	-	-	0.938	-	-	-	-	-	-	-	-	-	-	-	-
Organizational Maintenance Trainer		-	-	4.533	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				45.449			7.490			-			-			-			-
Total Flyaway Cost				45.449			7.490			-			-			-			-
Gross Weapon System Cost				45.449			7.490			-			-			-			-

#### P-5 Remarks:

	Secondary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	3.446	-	-	-	-
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	4.044	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army

Date: April 2013

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

To

2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:

**Prior** 

C50700 - Patriot Mods

Modifications

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

MDAP/MAIS Code(s):

l .												
Resource Summary	Years	FY 2012	FY 2013 <sup>#</sup>	Base	OCO##	Total	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2,470.492	68.665	199.565	256.438	-	256.438	216.037	298.019	279.949	356.278	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2,470.492	68.665	199.565	256.438	-	256.438	216.037	298.019	279.949	356.278	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,470.492	68.665	199.565	256.438	-	256.438	216.037	298.019	279.949	356.278	Continuing	Continuing
	(The following	g Resource Sum	mary rows are fo	r informational p	ourposes only. Ti	he corresponding	budget request	s are documente	ed elsewhere.)			
Initial Spares (\$ in Millions)	5,537.539	4.992	6.800	10.139	-	10.139	10.247	10.860	10.362	12.050	Continuing	Continuing
Flyaway Unit Cost (Units in Thousands)	1 -	_	_	_	_	_	_	_	_	_	_	_

FY 2014 | FY 2014 | FY 2014

	(		,	p								_
Initial Spares (\$ in Millions)	5,537.539	4.992	6.800	10.139	-	10.139	10.247	10.860	10.362	12.050	Continuing	Continuing
Flyaway Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
#		-		·I								

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

## **Description:**

The PATRIOT Mods program implements modifications to the weapon system and maintains Integrated Logistics Support. Required modifications are identified through various means to include: validated requirement documents such as the Capability Production Document (CPD) and the Operational Needs Statement (ONS); material changes supported by improved operational effectiveness as identified in the PATRIOT Product Improvement Program (PIP); material deficiencies identified in the field; obsolescence issues; emerging technologies; software improvements; crew interface and communication upgrades.

PATRIOT Mods funding supports Reliability, Availability, and Maintainability (RAM) Mods; Recapitalization (RECAP); Battery Command Post/ Tactical Command System (BCP/TCS) Mod; the Combined Crypto Modification Phase I (CCMPI) upgrade; the Radar Digital Processor (RDP) upgrade; the Air Defense Artillery (ADA) School Upgrades/ Training Aids, Devices, Simulators and Simulations (TADSS); the Modern Manstation (MMS) upgrade; Radar on the Net/Kit Integration; Enhanced Launcher Electronic Systems (ELES); and SIPRNet/NIPRNet Access Point / Troposcatter (SNAP/TROPO).

RAM modifications provide resolution to field failures which are identified through component analysis, field data collection, obsolescence issues and emerging technologies which are prioritized based on readiness and Operations and Support (O&S) impacts. This effort includes the engineering, acquisition, qualification testing, installation, technical support and training device upgrades associated with modification and design changes which are essential to stabilize the system at the highest readiness posture available and reduction of O&S. Kit quantity is based on expected Engineering Change Proposals (ECPs) to be applied to Major End Item (MEI).

Recapitalization (RECAP) Modifications include communication upgrades, Family of Medium Tactical Vehicles (FMTV), training upgrades, and Depot Maintenance Plant Equipment (DMPE). These modifications are synchronized within the RECAP program. RECAP is a battalion set, resulting in a more supportable, reliable, and capable unit in the force. Quantity represents 1 battalion a year.

The Battery Command Post/Tactical Command System (BCP/TCS) effort continues the development of the CDD required BMC4I capability to maintain compatibility with tactical software enhancements, while enhancing and improving the defense design and planning capabilities for the PATRIOT warfighter. This includes systems engineering, software requirements, software design/code/test and independent validation and verification testing. This effort also provides Integrated Logistics Support, required due to the large amount of Commercial Off The Shelf components, of the 67 Battery Command Posts and 17

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Army

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

Exhibit P-40, Budget Item Justification Sheet: PB 20	14 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity		P-1 Line Item Nomenclatur	'e:
2032A: Missile Procurement, Army / BA 03: Modification	of Missiles / BSA 10:	C50700 - Patriot Mods	
Modifications			
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Ite	ems:	Other Related Program Elements:

MDAP/MAIS Code(s):

Tactical Command Systems. Additionally, this effort supports the BCP/TCS fielding upgrades for each PATRIOT Post Deployment Build update, as well as working obsolescence alleviation and engineering changes.

The Patriot Modernization modification is a roll-up of the Combined Crypto Modification Phase I (CCMPI), the Radar Digital Processor (RDP), and the Modern Manstation (MMS) for FY 2012 and FY 2013. Beginning with PB14 CCMPI, RDP, and MMS have been broken out into individual modifications.

Combined Crypto Modification Phase I (CCMPI): The planned PATRIOT communications upgrade program is a phased approach leveraging NSA mandated crypto modernization updates, user generated requirements (PATRIOT Data Information Link (PADIL) over IP), Beyond Line of Sight (BLOS) communications, and communications hardware obsolescence mitigation efforts. This approach allows cost efficiencies and better business practices by synergizing these efforts. CCMPI is fully funded and addresses the PAC-3 Capability Production Document (CPD) requirements including the crypto modernization, a limited PADIL over Internet Protocol (IP) capability, and 3011C multi-cast (protocol). CCMPI installs a Black Station Clock Upgrade (BSCU) to allow for increased data rates; the Ruggedized iQ1000 (RiQ) for data processing and IP overlay; and interfaces for soldier provided SIPR/NIPR devices. The CCMPI program also replaces KG-94A/194A encryptors with KIV-7M encryptors due to the 2009 NSA force modification.

The Radar Digital Processor (RDP) replaces obsolete digital processors with single rack commercial off-the-shelf based modern processors. Battery Replaceable Units (BRUs) are reduced from 759 to 56 with 13 power supplies and 18 racks removed. Benefits of the RDP include an estimated 40% improvement in radar reliability, life cycle cost savings and capability growth through software improvements. The RDP modification will enable full AN/TPX-57(v)1 Identification Friend or Foe (IFF) Mode 5 Level 1 and 2 and new Combat Identification capabilities. The enhanced IFF capability allows for expanded target reports from the AN/TPX-57 which will include: National Origin, Platform ID Number (PIN), GPS position (Level 2) and will allow for the identification of multiple targets in the same IFF beam. Also, the RDP will support efforts to counter emerging threats and growth to the netted sensor concept.

The Air Defense Artillery (ADA) School Upgrades / Training Aids, Devices, Simulators and Simulations (TADSS) modification is necessary to upgrade school assets to Configuration 3. Four Enhanced Launcher Electronics Systems (ELES), four Radar Kits, and three Engagement Control Systems (ECS) will complete the school upgrades. TADSS is funded in FY2017.

The Modern ManStation (MMS) is designed to significantly improve the reliability of the legacy Manstation by replacing 221 obsolete parts in 41 assemblies and reducing BRUs from 493 to 51. Benefits of the MMS include the installation of two 30" high resolution color LCD displays with touch panels; significant increase in Mean Time Between Failure rates; elimination of a costly Multi-Volt power supply all while greatly improving the overall visual graphics used for decision making. The MMS upgrades will increase Warfighter effectiveness; enable future capabilities; increase reliability; and reduce life cycle costs. Training will be aligned with the tactical system using the same displays, providing geopolitical maps, and utilizing color symbology for immediate recognition of friend, foe or unknown. Soft keys will enable future switch configurations with software upgrades. The MMS also enables future graphical user interface with Common Warfighter Machine Interface (CWMI) systems. The MMS modification upgrade will be incorporated into 82 Engagement Control Station (ECS) Shelters and 22 Information and Coordination Central (ICC) Shelters.

The Enhanced Launcher Electronics System (ELES) modification will upgrade a PAC-2 Launcher to a PAC-3 Capability.

The Radar on the Net/Kit Integration modification will enable the radar to operate directly on the Integrated Air and Missile Defense (IAMD) net and reduce obsolescence.

SIPRNet/ NIPRNet Access Point / Troposcatter (SNAP/TROPO). The SNAP/Tropo program provides units with an organic Beyond Line of Sight (BLOS) capability to support both intra battalion and extra battalion communications. Troposcatter terminals allow connectivity between Patriot shelters when local terrain or long distances make organic UHF Line of Sight (LOS) communications impossible. SNAP terminals allow a Patriot shelter without access to any local infrastructure to remotely connect to both SIPRnet and NIPRnet using Ku band satellites for range extension in response to Operational Need Statements from combatant commands.

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Exhibit	P-40, Budget Item	Justif	fication	Sheet:	PB 201	4 Army									Date	: April	2013			
	riation / Budget Ac Missile Procurement tions						les / BS	SA 10:	I		Item No - Patriot		ature:			-				
ID Code (A	a=Service Ready, B=Not Service	Ready) :				Program	Element	ts for Cod	le B Item	s:			Oth	er Relate	d Prograi	n Eleme	nts:			
MDAP/MA	IS Code(s):				'								'							
Seco	ondary Distribution		FY 2012	2	FY 201	3	FY 201 Base		FY 20°		FY 20 Tota		FY 20	015	FY 20	016	FY 2	2017	FY	2018
Army	Quantity			-		-		-		-		-		-		-		-		-
	Total Obligation Author	ity	68	8.665	19	99.565	2	256.438		-		256.438		216.037		298.019		279.949		356.278
	Item Schedule		P	rior Yea	ars		FY 2012	2		FY 201	3	F`	Y 2014 B	ase	FY	2014 O	СО	F'	Y 2014 T	otal
Item Nom	nenclature* Exhibits	CI	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost
Various - PAT			-	-	2,470.492	_	-	68.665	-	-	199.565	-	-	256.438	_	-	-	-	-	256.438
Total Gross/V System Cost					2,470.492			68.665			199.565			256.438			-			256.438
,	Item Schedule			FY 201	5		FY 2016	<u> </u>		FY 201	7		FY 2018	3	To	Compl	ete		Total	
Item Nom	nenclature* Exhibits	CI	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost
Various - PAT	RIOT MODS P3A		-	-	216.037	-	-	298.019	-	-	279.949	-	-	356.278		Continuing			Continuin	
Total Gross/V System Cost					216.037			298.019			279.949			356.278		Continuin	9		Continuin	g
*Item Nome	nclature represents Item Nu	mber, D	ODIC, and I	tem Name	e for the P40	OA and P5;	Name for	the P18 an	d P23; Mod	dification N	lumber and	Modification	n Title for	the P3A; Ite	em Number	and Item	Name for the	ne P10.		
Note: Totals	in this Exhibit P-40 set may	not be	exact or add	due to ro	unding.															
Post/ Ta Defense Efforts w and Miss	ation:  Base funding in the amortical Command System Artillery (ADA) School L  will be made to expedite Faile Defense (IAMD) arch dance with Section 1815  and domestic emergency residence.	(BCP/ Jpgrade Patriot r nitecture of the	TCS), Comes, and SIP materiel so e.	nbined C PRNet/NI lutions (e	rypto Modi IPRNet Acc e.g. Radar Defense Au	ification P cess Poin Digital Pr uthorizatio	hase I (C t / Tropos rocessor, on Act (P.	CMPI), Racatter (St Communi	adar Digit NAP/TRO ications U	al Proces PO). Ipgrades	ssor (RDP) , Radars o	), Modern	ManStat	ion (MMS enhance c	), Enhance	ed Laund	cher Electr	ronics Sys	stem (EL	ES), Air grated Air

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Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: Modifications	P-1 Line Item Nomenclature: C50700 - Patriot Mods	Modification Nomenclature (Modification Number - Modification Title): Various - PATRIOT MODS

Models of Systems Affected: V	arious		Type Modi	ification: V	arious			Related R	DT&E PEs:			
Resource Summary	Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2,470.492	68.665	199.565	256.438	-	256.438	216.037	298.019	279.949	356.278	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2,470.492	68.665	199.565	256.438	-	256.438	216.037	298.019	279.949	356.278	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,470.492	68.665	199.565	256.438	-	256.438	216.037	298.019	279.949	356.278	Continuing	Continuing
	(The following	Resource Sum	mary rows are fo	or informational p	urposes only. Th	ne corresponding	budget request	s are documente	ed elsewhere.)		,	
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

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

## **Description:**

The PATRIOT weapon system modernization program implements modifications to the weapon system and maintains Integrated Logistics Support. Required modifications are identified through various means, including the following: validated requirements documents such as Capability Production Documents and Operational Needs Statements; material changes identified in the Patriot Product Improvement Program (PIP); material deficiencies identified in the field; obsolescence issues; emerging technologies; software improvements; crew interface and communications upgrades.

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

Exhibit P-3A, Individual Modification: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 03: Modification of

Missiles / BSA 10: Modifications

P-1 Line Item Nomenclature:

C50700 - Patriot Mods

Date: April 2013

Modification Nomenclature

(Modification Number - Modification

Title):

Various - PATRIOT MODS

Models of Systems Affected: Various	Type Modification: Various	Related RDT&E PEs:
-------------------------------------	----------------------------	--------------------

<b>Models of Systems Affected:</b> Various		Type I	Modification	<b>on:</b> Various	i		Re	lated RDT	&E PEs:			
	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Financial Plan	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M							
Procurement		. ,		, ,	, ,			, ,	. ,	, ,	, ,	,
RAM Mods												
A Kits												
Recurring												-
Kit Quantity	6,230 / 566.990	- /9.600	108 / 11.946	86 / 9.773	- / -	86 / 9.773	90 / 9.977	91 / 10.052	100 / 11.000	102 / 11.323	7,306 / 334.687	14,113 975.34
Training	0 / 0.000	- / 11.000	- / 12.046	- / 11.550	- / -	- / 11.550	- / 11.564	- / 12.265	- / 12.500	- / 13.189	- / -	- / 84.114
Training Equipment	0 / 0.000	- /4.300	- /2.104	- / 5.630	- / -	- / 5.630	- / 5.643	- / 5.985	- /6.100	- / 6.436	- / -	- / 36.198
Support Equipment	0 / 0.000	- /2.500	- /9.142	- /8.759	- / -	- /8.759	- / 8.789	- / 9.321	- / 9.500	- / 10.023	- / -	- / 58.034
Other	0 / 4.897	- / 6.400	- / 15.954	- / 15.800	- / -	- / 15.800	- / 15.819	- / 16.778	- / 17.100	- / 18.042	- / -	- / 110.790
Integrated Logistics Support	0 / 0.800	- /1.200	- /1.052	- /1.010	- / -	- / 1.010	- / 1.017	- / 1.079	- / 1.100	- / 1.162	- / -	- / 8.420
Subtotal Recurring	6,230 / 572.687	- /35.000	108 / 52.244	86 / 52.522	- / -	86 / 52.522	90 / 52.809	91 / 55.480	100 / 57.300	102 / 60.175	7,306 / 334.687	14,113 . 1,272.904
Total, RAM Mods	6,230 / 572.687	- /35.000	108 / 52.244	86 / 52.522	- / -	86 / 52.522	90 / 52.809	91 / 55.480	100 / 57.300	102 / 60.175	7,306 / 334.687	14,113 1,272.90
Recapitalization												
A Kits												
Recurring												-
Kit Quantity	9 / 217.100	1 / 10.000	1 / 10.000	1 / 10.000	- / -	1 / 10.000	1 / 10.000	1 / 10.900	1 / 11.600	1 / 11.650	4 / 81.336	20 / 372.586
Other	0 / 5.736	- /2.000	- /2.000	- /2.000	- / -	- /2.000	- /2.000	- /3.100	- /3.200	- / 3.250	- /5.164	- / 28.450
Subtotal Recurring	9 / 222.836	1 / 12.000	1 / 12.000	1 / 12.000	- / -	1 / 12.000	1 / 12.000	1 / 14.000	1 / 14.800	1 / 14.900	4 / 86.500	20 / 401.036
Total, Recapitalization	9 / 222.836	1 / 12.000	1 / 12.000	1 / 12.000	- / -	1 / 12.000	1 / 12.000	1 / 14.000	1 / 14.800	1 / 14.900	4 / 86.500	20 / 401.036
BCP/TCS		_				•						,
A Kits												-
Recurring												
Engineering Change Orders	0 / 0.000	- / -	- / -	- /1.000	- / -	- /1.000	- / 1.200	- /1.200	- /1.200	- / -	- / 11.887	- / 16.487
Fielding Support	0 / 0.000	- / -	- /2.100	- / 0.400	- / -	- / 0.400	- / 0.400	- / 0.400	- / 0.400	- / 0.400	- / 13.207	- / 17.307
Obsolescence/Tech Refresh	0 / 0.000	- / -	- / -	- / 0.200	- / -	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / 0.200
Software/Systems Engineering	0 / 14.000	- /2.800	- /4.600	- / 5.900	- / -	- /5.900	- /5.900	- /5.900	- /5.900	- /3.100	- / 62.614	- / 110.714
Integrated Logistics Support	0 / 24.626	- /2.800	- /4.500	- /4.500	- / -	- /4.500	- /4.500	- /4.500	- /4.500	- /4.500	- /4.500	- / 58.926
Subtotal Recurring	0/38.626	- /5.600	- /11.200	- /12.000	- / -	- /12.000	- /12.000	- /12.000	- /12.000	- /8.000	- /92.208	- / 203.63
Gubtotai Necurring												- / 200.00-
Non-Recurring			I									- 7203.03-

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Exhibit P-3A, Individual Modification: PB 2014 Army

P-1 Line Item Nomenclature:

Appropriation / Budget Activity / Budget Sub Activity: 2032A: Missile Procurement, Army / BA 03: Modification of

**Modification Nomenclature** C50700 - Patriot Mods (Modification Number - Modification

Missiles / BSA 10: Modifications

Title):

Date: April 2013

Various - PATRIOT MODS

Type Modification: Various Related RDT&E PEs: Models of Systems Affected: Various

	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Financial Plan	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)							
TCS Kit Quantity	17 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / -
Subtotal Non-Recurring	79 / 29.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	79 / 29.000
Total, BCP/TCS	79 / 67.626	- /5.600	- /11.200	- /12.000	- / -	- /12.000	- /12.000	- /12.000	- /12.000	- /8.000	- /92.208	79 / 232.634
PATRIOT Modernization												
A Kits												
Recurring												
Kit Quantity	0 / 0.000	14 / 5.800	134 / 119.565	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	148 / 125.365
Training	0 / 0.000	- / 5.965	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.965
Subtotal Recurring	0 / 0.000	14 / 11.765	134 / 119.565	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	148 / 131.330
Total, PATRIOT Modernization	0 / 0.000	14 / 11.765	134 / 119.565	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	148 / 131.330
Combined Crypto Modification Phase I (CCMPI)												
A Kits												
Recurring												
Kit Quantity	0 / 0.000	- / -	- / -	48 / 8.846	- / -	48 / 8.846	49 / 9.043	31 / 5.709	22 / 4.045	- / -	- / -	150 / 27.643
Kit Quantity (GFE)	0 / 0.000	- / -	- / -	54 / 2.026	- / -	54 / 2.026	49 / 1.847	27 / 0.980	20 / 0.741	- / -	- / -	150 / 5.594
Subtotal Recurring	0 / 0.000	- / -	- / -	102 / 10.872	- / -	102 / 10.872	98 / 10.890	58 / 6.689	42 / 4.786	- / -	- / -	300 / 33.237
Non-Recurring												
Training	0 / 0.000	- / -	- / -	- / 0.132	- / -	- / 0.132	- / 0.527	- / 0.528	- / 0.462	- / -	- / -	- / 1.649
Subtotal Non-Recurring	0 / 0.000	- / -	- / -	- /0.132	- / -	- /0.132	- /0.527	- /0.528	- /0.462	- / -	- / -	- /1.649
Total, Combined Crypto Modification Phase I (CCMPI)	0 / 0.000	- / -	- / -	102 / 11.004	- / -	102 / 11.004	98 / 11.417	58 / 7.217	42 / 5.248	- / -	- / -	300 / 34.886
Radar Digital Processor (RDP)												
A Kits												
Recurring												
Kit Quantity	0 / 0.000	- / -	- / -	50 / 95.933	- / -	50 / 95.933	- / -	- / -	- / -	- / -	- / -	50 / 95.933
Support Equipment	0 / 0.000	- / -	- / -	- / 10.467	- / -	- / 10.467	- / 17.900	- /20.000	- / -	- / -	- / -	- / 48.367
Subtotal Recurring	0 / 0.000	- / -	- / -	50 / 106.400	- / -	50 / 106.400	- /17.900	- /20.000	- / -	- / -	- / -	50 / 144.300
Non-Recurring												
Training	0 / 0.000	- / -	- / -	- / 0.300	- / -	- / 0.300	- / 0.300	- / 0.300	- / 0.300	- / 0.300	- / -	- / 1.500
Subtotal Non-Recurring	0 / 0.000	- / -	- / -	- /0.300	- / -	- /0.300	- /0.300	- /0.300	- /0.300	- /0.300	- / -	- /1.500
Total, Radar Digital Processor (RDP)	0 / 0.000	- / -	- / -	50 / 106.700	- / -	50 / 106.700	- /18.200	- /20.300	- /0.300	- /0.300	- / -	50 / 145.800
Air Defense Artillery School Upgrades/ TADSS												

LI C50700 - Patriot Mods Army

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Exhibit P-3A, Individual Modification: PB 2014 Army

P-1 Line Item Nomenclature:

**Modification Nomenclature** 

Appropriation / Budget Activity / Budget Sub Activity: 2032A: Missile Procurement, Army / BA 03: Modification of

C50700 - Patriot Mods

(Modification Number - Modification

Title):

Date: April 2013

Various - PATRIOT MODS

Missiles / BSA 10: Modifications

Models of Systems Affected: Various		Type	Modification	<b>on:</b> Various	i		Re	lated RDT	&E PEs:			
	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Financial Plan	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M				
A Kits		,	, ,	, ,	,	, ,	. ,			,		
Recurring												
Kit Quantity	0 / 0.000	- / -	- / -	4 / 13.441	- / -	4 / 13.441	4 / 94.000	3 / 23.100	- / -	- / -	- / -	11 / 130.54
Training Equipment	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 96.100	- / -	- / -	- / 96.10
Subtotal Recurring	0 / 0.000	- / -	- / -	4 / 13.441	- / -	4 / 13.441	4 / 94.000	3 / 23.100	- /96.100	- / -	- / -	11 / 226.64
Total, Air Defense Artillery School Upgrades/ TADSS	0 / 0.000	- / -	- / -	4 / 13.441	- / -	4 / 13.441	4 / 94.000	3 / 23.100	- /96.100	- / -	- / -	11 / 226.64
Modern Manstation (MMS)			1	1								
A Kits												
Recurring												,
Fielding	0 / 0.000	- / -	- / -	- /1.642	- / -	- / 1.642	- / 3.905	- /2.309	- / -	- / -	- / -	- /7.85
Subtotal Recurring	0 / 0.000	- / -	- / -	- /1.642	- / -	- /1.642	- /3.905	- /2.309	- / -	- / -	- / -	- /7.8
Total, Modern Manstation (MMS)	0 / 0.000	- / -	- / -	- /1.642	- / -	- /1.642	- /3.905	- /2.309	- / -	- / -	- / -	- /7.8
Enhanced Launcher Electronics System (ELES)			•	1								
A Kits												
Recurring												
Kit Quantity	0 / 0.000	- / -	- / -	10 / 33.601	- / -	10 / 33.601	- / -	30 / 100.000	4 / 16.049	48 / 160.000	37 / -	129 / 309.65
Subtotal Recurring	0 / 0.000	- / -	- / -	10 / 33.601	- / -	10 / 33.601	- / -	30 / 100.000	4 / 16.049	48 / 160.000	37/ -	129 / 309.65
Total, Enhanced Launcher Electronics System (ELES)	0 / 0.000	- / -	- / -	10 / 33.601	- / -	10 / 33.601	- / -	30 / 100.000	4 / 16.049	48 / 160.000	37/ -	129 / 309.65
Radar on the Net Kit/Integration			1	1								
A Kits												
Recurring												
Kit Quantity	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	7 / 29.600	12 / 64.000	10 / 102.000	50 / -	79 / 195.60
Subtotal Recurring	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	7 / 29.600	12 / 64.000	10 / 102.000	50 / -	79 / 195.60
Total, Radar on the Net Kit/Integration	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	7 / 29.600	12 / 64.000	10 / 102.000	50 / -	79 / 195.60
SNAP/TROPO			1	1	1							
A Kits												
Recurring												
Kit Quantity SNAP	0 / 0.000	- / -	- / -	2 / 0.300	- / -	2 / 0.300	- / -	5 / 2.100	- / -	- / -	- / -	7 / 2.40
Support	0 / 0.000	- / -	- / -	- / 1.354	- / -	- / 1.354	- / -	- / -	- / -	- / -	- / -	- / 1.35
Integrated Logistics Support	0 / 0.000	- / -	- / -	- /1.000	- / -	- /1.000	- / -	- / -	- / -	- / -	- / -	- /1.00
Spares	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- /3.100	- / -	- / -	- / -	- /3.10

LI C50700 - Patriot Mods Army

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Exhibit P-3A, Individual Modification: PB 2014 Army

ication. 1 B 2014 Anny

Date: April 2013

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 03: Modification of

C50700 - Patriot Mods

P-1 Line Item Nomenclature:

Modification Nomenclature (Modification Number - Modification

Title):

Various - PATRIOT MODS

Missiles / BSA 10: Modifications

Models of Systems Affected: Various

Type Modification: Various

Related RDT&E PEs:

wodels of Systems Affected: Various		Type	viodificatio	ni. vanous	•		I/G	iated RD i	CE PES.			
	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Financial Plan	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )										
Subtotal Recurring	0 / 0.000	- / -	- / -	2/2.654	- / -	2 / 2.654	- / -	5/5.200	- / -	- / -	- / -	7 / 7.854
Non-Recurring		,										
Kit Quantity TROPO	0 / 0.000	- / -	- / -	10 / 6.000	- / -	10 / 6.000	- / -	18 / 16.800	- / -	- / -	- / -	28 / 22.800
Subtotal Non-Recurring	0 / 0.000	- / -	- / -	10 / 6.000	- / -	10 / 6.000	- / -	18 / 16.800	- / -	- / -	- / -	28 / 22.800
Total, SNAP/TROPO	0 / 0.000	- / -	- / -	12 / 8.654	- / -	12 / 8.654	- / -	23 / 22.000	- / -	- / -	- / -	35 / 30.654
Total Procurement, All Modifications	6,318 / 863.149	15 / 64.365	243 / 195.009	265 / 251.564	- / -	265 / 251.564	193 / 204.331	213 / 286.006	159 / 265.797	161 / 345.375	7,397 / 513.395	14,964 / 2,988.991
Total Procurement and Support	863.149	64.365	195.009	251.564	-	251.564	204.331	286.006	265.797	345.375	513.395	2,988.991
RAM Mods Installation Cost	6,230 / 29.000	- /3.400	27 / 3.556	103 / 3.478	- / -	103 / 3.478	88 / 3.423	90 / 3.630	92 / 3.700	100 / 3.903	7,383 / -	14,113 / 54.090
Recapitalization Installation Cost	8 / 254.213	1 / 0.900	1 / 1.000	1 / 1.000	- / -	1 / 1.000	1 / 1.000	1 / 1.100	1 / 1.200	1 / 1.300	5 / 4.000	20 / 265.713
BCP/TCS Installation Cost	79 / 1,324.130	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	79 / 1,324.130
PATRIOT Modernization Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Combined Crypto Modification Phase I (CCMPI) Installation Cost	0 / 0.000	14 / -	- / -	12 / 0.396	- / -	12 / 0.396	48 / 1.583	48 / 1.583	42 / 3.552	- / -	- / -	164 / 7.114
Radar Digital Processor (RDP) Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	16 / 5.700	36 / 5.700	28 / 5.700	- /5.700	- / -	80 / 22.800
Air Defense Artillery School Upgrades/ TADSS Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	2/ -	4 / -	4/-	1/ -	- / -	11 / -
Modern Manstation (MMS) Installation Cost	0 / 0.000	- / -	- / -	36 / -	- / -	36 / -	68 / -	- / -	- / -	- / -	- / -	104 / -
Enhanced Launcher Electronics System (ELES) Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	5/ -	5/ -	8/ -	24 / -	87 / -	129 / -
Radar on the Net Kit/Integration Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7/ -	72 / -	79 / -
SNAP/TROPO Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	12 / -	- / -	12 / -	11 / -	- / -	35 / -
Total Installation Cost	6,317 / 1,607.343	15 / 4.300	28 / 4.556	152 / 4.874	- / -	152 / 4.874	240 / 11.706	184 / 12.013	187 / 14.152	144 / 10.903	7,547 / 4.000	14,814 / 1,673.847
Total Cost (Procurement + Support + Installation)	2,470.492	68.665	199.565	256.438	-	256.438	216.037	298.019	279.949	356.278	517.395	4,662.838

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Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: Modifications	P-1 Line Item Nomenclature: C50700 - Patriot Mods	Modification Nomenclature (Modification Number - Modification Title): Various - PATRIOT MODS
Models of Cystoms Affected: Verieus	Madification, \/avia.co	Poloted PDT% E DEc.

| Models of Systems Affected: Various Type Modification: Various Related RDT&E PEs: Manufacturer Information: RAM Mods Manufacturer Name: Various Manufacturer Location: Various Production Leadtime (in Months): 6 Administrative Leadtime (in Months): 3 **Dates** FY 2012 FY 2013 FY 2014 FY 2015 FY 2016 FY 2017 FY 2018 **Contract Dates** Dec 2011 Dec 2012 Dec 2013 Dec 2014 Dec 2015 Dec 2016 Dec 2017 **Delivery Dates** Jun 2012 Jun 2013 Jun 2014 Jun 2015 Jun 2016 Jun 2017 Jul 2018

Installation: RAM Mods			Method of In	nplementation	ı: various			Installation N	lame:			
	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Installation Cost	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
All Prior Years	6,230 / 29.000	- /3.400	- / 3.556	- / 3.478	- / -	- /3.478	- / 3.423	- / 3.630	- / 3.700	- / 3.903	- / 0.000	6,230 / 54.090
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	27 / -	81 / -	- / -	81 / -	- / -	- / -	- / -	- / -	- / -	108 / -
FY 2014	0 / 0.000	- / -	- / -	22 / -	- / -	22 / -	64 / -	- / -	- / -	- / -	- / -	86 / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	24 / -	66 / -	- / -	- / -	- / -	90 / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	24 / -	67 / -	- / -	- / -	91 / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / -	75 / -	- / -	100 / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / -	77 / -	102 / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7,306 / -	7,306 / -
Total	6,230 / 29.000	- / 3.400	27 / 3.556	103 / 3.478	- / -	103 / 3.478	88 / 3.423	90 / 3.630	92 / 3.700	100 / 3.903	7,383 / -	14,113 / 54.090

#### Installation Schedule

1 -				-																												
				FY 2	012			FY 2	2013			FY 2	2014			FY 2	015			FY 2	016			FY 2	017			FY 20	018			
	A	APY	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	TC	Tot
In	6,	,079	76	75	-	-	-	-	27	27	27	27	22	22	22	20	24	24	24	18	24	24	24	19	25	25	25	26	26	26	7,3551	4,113
Ou	t 6,	,004	77	76	75	-	-	-	-	27	27	27	27	22	22	22	20	24	24	24	18	24	24	24	19	25	25	25	26	26	7,379	4,113

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**UNCLASSIFIED** 

														UN	CLA	SSIF	IED													
Exhibi	it P-3	BA, I	ndivi	dual I	Vlodif	icatio	n: PE	3 20	14 Arı	my													Date	: Ap	oril 201	3				
Appro 2032A Missile	.: Mis	sile	Procu	ireme	nt, Ar	my / E							<b>Line</b> 1 700 -		-	<b>enclat</b> ods	ure:						(Mod Title)	lifica ):	ation Nation No ation No - PATR	umb	er - Mo	odific	ation	
Model	s of	Sys	tems	Affec	cted: \	Variou	us				Type I	Modi	ficatio	n: Va	ariou	s				Rel	ated l	RDT	&E PI	Es:						
Manufa	cturer	r Info	rmatio	n: Rec	apitaliz	zation																								
Manufac	cturer	Name	e: Vario	ous												Manuf	acture	r Locatio	n: Various											
Adminis	Dates FY 2012 FY 2013 FY 2014 FY 2015															(in Months):	12													
	Dates FY 2012 FY 2013 FY 2014 FY 2015														,	FY 2	016			F۱	<b>/</b> 2017			FY	2018					
Contract	Dates         FY 2012         FY 2013         FY 2014           ract Dates         Apr 2012         Apr 2013         Apr 2014												2014			Apr	2015		Apr 2	2016			Ap	r 2017			Apr	2018		
Delivery	act Dates Apr 2012 Apr 2013 Apr 2											2015			Apr	2016		Apr 2	2017			Ap	r 2018			Apr	2019			
			FY 2012         FY 2013         FY 2014         FY 2015         FY 2015         FY 2015         FY 2014         Apr 2015         Apr 2015         Apr 2014         Apr 2015         Apr 2015         Apr 2016         Ap																											
Installat	tion: F	Recap	Manufacturer Location: Various														Nam	ne:												
	allation: Recapitalization Method of Implementation: Various															FY 2015	FY	<b>/</b> 2016	F	FY 201	7	FY 20	18	To Comp		То	otal			
Installat	tion C	ost					ty (Each) / // Cost (\$ /		Qty (Eac		Qty (Ea		Qty (E Total Cos			(Each) / Cost (\$ M )		(Each) / Cost (\$ M )	Qty (Each) / Total Cost (\$ M		(Each) / Cost (\$ M		Qty (Each)		Qty (Eac		Qty (Ea		Qty (E Total Co	Each) / ost (\$ M
All Prior Ye	ears						8 / 254.2	213	1/	0.900	-	/ 0.000	-	/ 0.000		- / -	-	/ 0.000	- /0.00	0	- / 0.00	00	- /0	.000	- /	0.000	-	/ 0.000	9 /	/ 255.11
FY 2012							0 / 0.0	000	-	/ -	1	/ 1.000	-	/ -		- / -		- / -	- / -		- / -		- /	-	-	/ -	-	/ -		1 / 1.00
FY 2013							0 / 0.0			/ -		/ -		/ 1.000		- / -		1 / 1.000	- / -		- / -		- /	_		/ -		/ -		1 / 1.00
FY 2014							0 / 0.0			/ -		/ -		/ -		- / -		- / -	1 / 1.00	0	- / -		- /	_		/ -		/ -		1 / 1.00
FY 2015 FY 2016							0 / 0.0			/ - / -		/ - / -		/ -		- / -		- / -	- / -		1 / 1.10	-	- /	$\rightarrow$		/ - / -		/ -		1 / 1.10
FY 2017							0 / 0.0			/ -		/ -		/ -		- / -		- / -	- / -		- / -		- /	_		1.300		/ -		1 / 1.20
FY 2018							0 / 0.0		-	/ -		/ -		/ -		- / -		- / -	- / -		- / -		- /	-	-			/ 1.000		1 / 1.00
To Comple	ete						0 / 0.0	000	-	/ -	-	/ -	-	/ -		- / -		- / -	- / -		- / -		- /	-	-	/ -	4	/ 3.000		4 / 3.00
Total							8 / 254.2	213	1/	0.900	1	/ 1.000	1	/ 1.000		- / -		1 / 1.000	1 / 1.00	0	1 / 1.10	00	1/1	.200	1/	1.300	5	/ 4.000	20 /	/ 265.71
Installat	tion S	ched																1												
				2012		4	FY 2					2014	1 .	4		2015		4	FY 2016		4	FY 2		_			2018			
١ ١ ـ						1	. 7	. 2	4	1	2	3	4	1	2	3	4	1	2 3	4	1	2	3	4	1	2	3	4	TC	Tot
	APY O	1	2	3	4	1	2	3	+	<u> </u>	+	-		<u>'</u>		-		H .					-	<u> </u>		_	+ -		٠.	
In Out	9 8	1 - 1	-	1	-	- 1	-	1	+	-	- 1 -	1		- 1	- -	1	-	- 1	- 1	-	- 1	<u>-</u> -	1	-	- 1	-	1	-	4 5	

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														OIT	OLA	0011															
Exhi	bit P-	3A, I	ndivi	dual	Modi	ificati	ion: P	B 20	14 Arr	ny														Date	: Ap	ril 201	3				
2032	Description   Description												_				ure:							(Mod Title	difica ):	ation N ation N - PATF	lumb	er - M	odific	ation	
Mod	els of	Sys	tems	Affe	cted:	Vario	ous				Type I	Modi	fication	on: V	arious	6					Re	elated	RDT	&E P	Es:						
Manu	facture	er Info	rmatic	n: BCI	P/TCS	,																									
Manu	facturer	r Name	e: vario	us												Manuf	acture	er Locat	ion: va	arious											
Admir	istrativ	e Lead	dtime (	in Mon	ths):											Produ	ction l	_eadtim	e (in N	/lonths):											
	Dat	Prior Years   Prior Years					FY	2013			FY	2014			FY	2015			FY	2016			FY	2017			FY	2018			
Contra	act Date	es	P/TCS  Prior Years  Qty (Each) / QC  Qty (Each) / QC				Oct	2012			Oct	2013			Oct	2014			Oct	2015			Oc	t 2016			Oct	2017			
Delive	ry Date	es			Oct	2011			Oct	2012			Oct	2013			Oct	2014			Oct	t 2015			Oc	t 2016			Oct	2017	
				OCI 2011 OC																											
Inatal	lations	DCD/	TOC								Mathad	of Im	nlama	ntotion							Inc	stallatio	n Nan								
instai	iation:	BCP/	105								wethod	OT IM	<u> </u>								ins	staliatio	n Nan	ne:				_			
	### Action: BCP/TCS    Prior Years   FY 2012     Qty (Each) /   Qty (Each) /								12	FY 20	13	FY 2 Ba	2014 ISE		2014 CO		′ 2014 Total	F	Y 2015		FY 2016		FY 201	17	FY 20	18	T Com		To	tal	
Instal	lation (	Cost											Qty (E Total Co			Each) / ost (\$ M )		(Each) / Cost (\$ M)		y (Each) / Cost (\$ M		Qty (Each)		Qty (Each		Qty (Ead		Qty (E Total Co		Qty (E Total Co	
All Prior	Years						79 / 1,324	1.130	- /	0.000	- /	0.000	-	/ 0.000	-	/ -		- / 0.000	0	- / 0.00	0	- / 0.0	000	- /(	0.000	- /	0.000	-	/ 0.000	79 / 1,	324.130
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Total							/ -	-	/ -	-	/ -	-	/ -		- / -		- / -		- /	-	- /	' -	-	1 -	-	1 -	79 / 1,	324.130			
Instal	rallation Schedule																														
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LI C50700 - Patriot Mods

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FY 2013	Exhi	bit P-	-3A, I	ndivi	dual	Modif	icatio	n: Pl	B 20	14 Army														Date: A	pril 2	2013				
Manufacturer   Information   PaTRIOT   Modernization   Manufacturer   Information   Patriot   Information   Manufacturer   Information   Inf	2032	A: Mi	ssile	Procu	ıreme	ent, Ar	my / E										ure:							(Modific	cation	n Numb	ber -	Modific	ation	
Manufacturer Name: Raytheon   Administrative Leadtime (in Months): 3   Production Leadtime (in Months): 6	Mod	els of	f Sys	tems	Affe	cted:	Variou	us			Туре	Mod	ificatio	on: V	arious	6					Rel	lated R	DT	&E PEs:	:					
Administrative Leadtime (in Months): 3	Manu	facture	er Info	rmatio	n: PA1	RIOT I	Modern	nizatio	n																					
Date	Manuf	acture	r Name	e: Rayt	heon											Manu	facture	er Location	on: Aı	ndover, N	ИΑ									
Contract Dates   Dec 2011   Dec 2012   Jun 2013	Admin	istrativ	e Lead	dtime (i	n Mon	ths): 3										Produ	ction L	_eadtime	e (in N	/onths):	6									
Delivery Dates   Jun 2012   Jun 2013		Dat	tes			FY 2	2012			FY 2013	3		FY	2014			FY	2015			FY 2	2016		F	Y 201	7		FY	2018	
Installation: PATRIOT Modernization	Contra	act Dat	es							2																				
Prior Years	Delive	ry Date	es			Jun 2																								
Prior Years			tes   Jun 2012   Jun 2013																											
Prior Years   FY 2012   FY 2013   Base   OCO   Total   FY 2015   FY 2016   FY 2017   FY 2018   Complete   Total   Cots (SM)   Chy (Each)   Chy (Ea	Instal	lation:	PATR	RIOT M	oderniz	zation					Metho	od of In	npleme	ntatior	n: Vario	ous					Inst	allation	Nam	ne:						
Installation Cost   Total Cost (\$ M)   Total Cost		Prior Years FY 2012 FY 2013  Qty (Each) / Qty (Each) / Qty (Each) /													1				F	Y 2015	F	Y 2016	F	FY 2017	FY	′ 2018	Co		То	tal
All Prior Years	Instal	lation	Cost																											
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Installation Schedule									_		1		-															- / -		
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					UN	CLASS	SIFIED						
Exhibit P-3A, Indiv	ridual Modific	ation: PB 2	2014 Army							Date: A	pril 2013		
Appropriation / Bu 2032A: Missile Prod Missiles / BSA 10: N	curement, Arm				<b>Line Item</b> I 0700 - Patrio		clature:			(Modific	cation Nome cation Numb - PATRIOT	per - Modifica	ation
Models of Systems	s Affected: Va	arious		Type Mod	ification: Va	arious			Related R	DT&E PEs:	:		
Manufacturer Informati	ion: Combined C	rypto Modific											
Manufacturer Name: Ra	ytheon					Ma	anufacturer Locati	on: Tewksbury	, MA				
Administrative Leadtime	(in Months): 3					Pro	oduction Leadtime	e (in Months): 6	3				
Dates	FY 20°	12	FY 2013		FY 2014		FY 2015		FY 2016	F	Y 2017	FY	2018
Contract Dates					Dec 2013		Dec 2014		Dec 2015	D	ec 2016		
Delivery Dates					Jun 2014		Jun 2015		Jun 2016	Ji	un 2017		
Installation: Combined	Crypto Modification	on Phase I (CC	CMPI)	Method of In	nplementation	ı: Yes			Installation I	Name:			
		Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 201 OCO	4 FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Installation Cost		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each Total Cost (\$		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
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		APY	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	тс	Tot
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Οι	ıt	-	-	-	-	-	-	-	-	-	-	-	-	12	12	12	12	14	14	13	12	8	8	8	7	8	8	8	8	-	-	164

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48 / 1.583

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48 / 1.583

20 / 1.743

22 / 1.809

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49 / 1.616

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164 / 7.114

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					UN	CLASS	SIFIED							
Exhibit P-3A, Indiv	idual Modific	ation: PB 2	2014 Army							Date: A	pril 2013			
Appropriation / Bu 2032A: Missile Proc Missiles / BSA 10: N	curement, Arm				Line Item   0700 - Patrio					(Modific	ation Nome eation Numb - PATRIOT	per - Modific	ation	
Models of Systems	s Affected: V	arious		Type Mod	ification: V	arious			Related R	DT&E PEs:	1			
Manufacturer Informati	on: Radar Digita	al Processor (I	RDP)											
Manufacturer Name: Ray	ytheon					М	anufacturer Location	on: Andover, N	1A					
Administrative Leadtime	(in Months): 8					Pı	roduction Leadtime	e (in Months): 1	18					
Dates	FY 20	12	FY 2013		FY 2014		FY 2015		FY 2016	F	Y 2017	FY	2018	
Contract Dates			Apr 2013	3	Apr 2014									
Delivery Dates			Sep 2014	4	Sep 2015									
					·	ļ.								
Contract Dates         Apr 2013         Apr 2014           Delivery Dates         Sep 2014         Sep 2015														
Installation: Radar Digit	al Processor (RD	)P)		Method of In	nplementation	ı: Various			Installation N	Name:				
		Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 201 OCO		FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total	
Installation Cost		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each Total Cost (		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
All Prior Years		0 / 0.000	- /0.000	- / 0.000	- / 0.000	- /	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	
FY 2012		0 / 0.000	- / -	- / -	- / -	- /		- / -	- / -	- / -	- / -	- / -	- / -	
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FY 2014		0 / 0.000	- / -	- / -	- / -	- /		- / -	22 / 2.850	28 / 5.700		- / -	50 / 14.250	
FY 2015		0 / 0.000	- / -	- / -	- / -	- /	-	- / -	- / -	- / -	- / -	- / -	- / -	
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Total		0 / 0.000	- / -	- / -	- / -	- /	1 - 1 -	16 / 5.700	36 / 5.700	28 / 5.700	- / 5.700	- / -	80 / 22.800	
Installation Schedule	1													
	2012	FY 2013	3	FY 2014		FY 201	15	FY 2016		FY 2017	F\	<b>/ 2018</b>		

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Exhibit P-3A, Indi	vidual Modifi	cation: PB 2	2014 Army							Date: A	pril 2013		
Appropriation / Bo 2032A: Missile Pro Missiles / BSA 10:	curement, Arr				<b>Line Item</b>   0700 - Patrio		clature:			(Modific	eation Nomeation Numb	per - Modific	eation
Models of System	s Affected: V	/arious		Type Mod	ification: V	arious			Related R	DT&E PEs:			
Manufacturer Informat	tion: Air Defense	Artillery Scho	ool Upgrades/	TADSS									
Manufacturer Name: Va	arious					Ma	anufacturer Locati	on: Various					
Administrative Leadtime	e (in Months): 6					Pr	oduction Leadtime	e (in Months):	18				
Dates	FY 20	)12	FY 2013		FY 2014		FY 2015		FY 2016	F	Y 2017	FY	2018
Contract Dates					Dec 2013		Dec 2014		Dec 2015				
Delivery Dates					Jun 2015		Jun 2016		Jun 2017				
Installation: Air Defens	e Artillery School	Prior Years	FY 2012	FY 2013	nplementation FY 2014 Base	FY 201 OCO		FY 2015	Installation N	FY 2017	FY 2018	To Complete	Total
Installation Cost		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
All Prior Years		0 / 0.000	- / 0.000	- / 0.000	- / 0.000	- /	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- /0.000	- / 0.000
FY 2012		0 / 0.000	- / -	- / -	- / -	- /	- 1 -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013		0 / 0.000	- / -	- / -	- / -	- /		- / -	- / -	- / -	- / -	- / -	- / -
FY 2014		0 / 0.000	- / -	- / -	- / -	- /		2/ -	2/ -	- / -	- / -	- / -	4 / -
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Installation Schedule		1	II.		1	1		1	1	·	1	-	1.
F'	Y 2012	FY 201	3	FY 2014		FY 201	5	FY 2016		FY 2017	F	Y 2018	

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P-1 Line #11

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Exhib	it P-	3A, I	ndivi	dual	Modi	fication	on: Pl	3 20 <sup>-</sup>	14 Arn	 ∩y														Date	: Apr	il 201	3				
Appro 2032A Missile	. Mi	ssile	Procu	ıreme	ent, Aı	rmy /								<b>Item N</b> Patric			ure:							(Mod Title	dificat ):	ion N	lumb	enclati er - Mo	odific	ation	
Mode	s of	Sys	tems	Affe	cted:	Vario	us				Type I	<b>Nodif</b>	icatio	on: Va	arious	3					Re	elated	RD	T&E P	Es:						
Manufa	cture	r Info	rmatic	n: Mo	dern M	lanstat	tion (M	MS)																							
Manufa	cturer	r Name	e: Rayt	heon												Manut	acture	r Locat	ion: Ar	ndover,	MA										
Adminis	trativ	e Lead	dtime (	in Mon	ths): 6											Produ	ction L	eadtim	e (in N	1onths)	: 11										
	Dat	tes			FY:	2012			FY 2	2013			FY 2	2014			FY 2	2015			FY	2016			FY	2017		T	FY	2018	
Contrac	t Date	es							Apr 2	2013																					
Delivery	Date	 es							Mar 2	2014																		1			
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Installa	tion:	Mode	rn Man	station	(MMS	,)					Method	of Imp	olemer	ntation	: Vario	us					Ins	tallatio	n Na	me:							
						Pr	ior Yea	rs	FY 201	2	FY 20	13	FY 2 Bas	- 1		2014 CO		2014 otal	FY	<b>/</b> 2015	F	Y 2016		FY 201	7	FY 20	18	To Comp		Tot	tal
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FY 2014							0 / 0.0		- /			/ -		1 -		/ -		- / -		- / -	_	- / -	_	- /			1 -		/ -		/ -
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FY 2016 FY 2017						_	0 / 0.0		- /			/ -		/ -		. / -		- / -		- / -	_	- / -	_	- /			1 -		1 -		/ -
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Installa	tion	Sched	lule																												
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	APY	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	тс	Tot
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					UN	CLASS	DIFIED						
Exhibit P-3A, Indiv	idual Modifio	cation: PB 2	2014 Army							Date: A	pril 2013		
Appropriation / Bu 2032A: Missile Prod Missiles / BSA 10: I	curement, Arn				<b>Line Item</b> 0700 - Patri		clature:			(Modific	ation Nomeration Number	er - Modific	ation
Models of System	s Affected: V	′arious		Type Mod	ification: V	arious			Related R	DT&E PEs:	1		
Manufacturer Informat	ion: Enhanced L	auncher Elec	tronics Syste	m (ELES)									
Manufacturer Name: Va	rious					Ma	anufacturer Location	on: Various					
Administrative Leadtime	(in Months): 6					Pr	oduction Leadtime	e (in Months):	18				
Dates	FY 20	112	FY 2013	3	FY 2014		FY 2015		FY 2016	F	Y 2017	FY	2018
Contract Dates					Dec 2013				Dec 2015	D	ec 2016	Dec	2017
Delivery Dates					Jun 2015				Jun 2017	Jı	ın 2018	Jur	2019
Installation: Enhanced	Launcher Electro	Prior Years	FY 2012	Method of Ir	rplementation FY 2014 Base	FY 201 OCO	4 FY 2014 Total	FY 2015	Installation N	Name: FY 2017	FY 2018	To Complete	Total
Installation Cost		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each Total Cost (\$	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
All Prior Years		0 / 0.000	- / 0.000	- / 0.000	- / 0.000	- /	/ 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
FY 2012		0 / 0.000	- / -	- / -	- / -	- /	/ -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013		0 / 0.000		- / -	- / -	- /		- / -	- / -	- / -	- / -	- / -	- / -
FY 2014		0 / 0.000		- / -	- / -	- /		5/ -	5/-	- / -	- / -	- / -	10 / -
FY 2015 FY 2016		0 / 0.000		- / -	- / -	- /		- / -	- / -	- / -	- / -	- / -	- / -
FY 2017		0 / 0.000	-	- / -	- / -	- /		- / -	- / -	- / -	2/ -	- / -	4/-
FY 2018		0 / 0.000		- / -	- / -	- /		- / -	- / -	- / -	- / -	48 / -	48 / -
To Complete		0 / 0.000		- / -	- / -	- /		- / -	- / -	- / -	- / -	37 / -	37 / -
Total		0 / 0.000	- / -	- / -	- / -	- /	/ -	5/-	5/ -	8/ -	24 / -	87 / -	129 / -
Installation Schedule		•		•	•								
FY	7 2012	FY 201	3	FY 2014		FY 201	5	FY 2016	i	FY 2017	FY	<b>Y 2018</b>	

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Exhi	bit P	-3A,	Indiv	idual	Modi	ficati	on: P	B 20	014 Ar	my														Da	ite: Ap	ril 20	13					
2032	2A: Mi	issile		urem	ent, A	rmy /			ub Act odifica						<b>Nome</b> ot Mo		ture:							(M Tit	odifica lodifica le): irious -	ation N	Numb	er -	Modi		ion	
Mod	els o	f Sys	tems	Affe	cted:	Vario	ous				Туре	Modi	ificati	on: V	ariou:	s					F	Related	d RD	T&E	PEs:							
Manu	factur	er Info	rmatio	on: Ra	dar on	the Ne	et Kit/lı	ntegr	ation																							
Manu	facture	r Nam	e: Vari	ous												Manu	ufactur	er Loca	tion: \	√arious												
Admii	nistrativ	ve Lea	dtime	(in Mor	nths): 6											Produ	uction	Leadtin	ne (in	Months	s): 24											-
	Da	ites			FY	2012			FY	2013			FY	2014			FY	2015			F	Y 2016			FY	2017			F	Y 20	)18	
Contr	act Dat	tes																			М	ar 2016			Ма	r 2017			N	1ar 20	018	
Delive	ery Dat	es																			М	ar 2018			Ма	r 2019			N	1ar 20	020	
Insta	lation:	Rada	ır on th	e Net k	Cit/Inter	ration					Method	l of Im	nleme	ntatio	<b>n·</b> Vario	nus						nstallati	on N	ame.								
				•			ior Ye	ars	FY 20	112	FY 20		FY 2	2014 ase	FY	2014 CO		Y 2014 Total	F	Y 201	$\top$	FY 201		FY 2	2017	FY 20	018	C	To	<b>a</b>	Tota	tal
Insta	lation	Cost					Qty (Each	) /	Qty (Ea	ch) /	Qty (Ea	ich) /	Qty (E	Each) /	Qty (	Each) /	Qty	/ (Each) / Cost (\$ M	Q	ity (Each)	/	Qty (Each	n) /	Qty (Ea	ach) /	Qty (Ea	ach) /	Q	ty (Each) /	,	Qty (Ea	ach) /
All Prio	Years							0.000		/ 0.000		/ 0.000		/ 0.000	_	- / -		- / 0.00	-	- /0.		- /(	-		/ 0.000		/ 0.000	-	- /0.0			/ 0.00
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FY 201	3						0/0	0.000	-	/ -	-	/ -	-	. / -		- / -		- / -		- /	-	- /	' -	-	/ -	-	/ -		- / -		-	/ -
FY 201	4						0/0	0.000	-	/ -	-	/ -	-	. / -		- / -		- / -		- /	-	- /	' -	-	1 -	-	/ -		- / -		-	/ -
FY 201								0.000		/ -		/ -		. / -	+	- / -		- / -		- /	_	- /			/ -		/ -		- / -			/ -
FY 201								0.000		/ -		/ -		. / -	_	- / -		- / -		- /		- /			1 -		7/ -		- / -			7/ -
FY 201								0.000		/ -		/ -		. / -	+	- / -		- / -		- /	_	- /			1 -		/ -		12 / -			12 / -
FY 201								0.000		/ -		/ -		. / -		- / -		- / -		- /		- /			1 -		/ -		10 / -			10 / -
To Con	plete						0/0			/ - / -		/ - / -		. / -	+	- / -		- / -		- /	_	- /			1 -		7/-		50 / - 72 / -			50 / - 79 / -
	lation	School	مارية				070	7.000		/ -	-	/ -		. / -		- / -		- / -		- /		- /	-		/ -		7 / -		121 -			97 -
mota				2012			FY	2013		T	FY	2014			FY	2015			FV	2016			F	Y 2017	,		ΕV	′ 20	18	$\overline{}$	$\overline{}$	
	APY	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1			_	1	2			4	тс	Tot
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		3	2	1	73	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		3	2	74	79
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														UN	CLA	SSIF	FIED														
Exhib	it P-	3A, I	Indivi	dual	Modi	fication	on: Pl	3 20	14 Arn	ny														Date	e: Ap	oril 201	3				
Appro 2032A Missile	. Mi	ssile	Proc	ureme	ent, A	my /							<b>Line</b>     1700 -		-		ture:							(Mod Title	difica ):	ation N ation N - PATF	lumb	er - M	lodifid	ation	
Mode	s of	Sys	tems	Affe	cted:	Vario	us				Type I	Modi	fication	on: Va	ariou	s					R	elated F	RDT	&E P	Es:						
Manufa	cture	er Info	rmatic	n: SN	AP/TR	OPO																									
Manufa	cture	r Nam	e: TCS	;												Manı	ufactur	er Locat	ion: T	Tampa, F	L										
Adminis	trativ	e Lea	dtime (	in Mon	ths):											Prod	uction	_eadtim	e (in	Months):	9										
	Dat	tes			FY	2012			FY 2	2013			FY	2014			FY	2015			FY	2016			F١	Y 2017			FY	2018	
Contrac	t Date	es											Oct	2013							Oct	t 2015									
Delivery	Date	es											Jun	2014							Jun	1 2016									
							'									-								-							
Installa	tion:	SNAF	P/TROF	20							Method	of Im	pleme	ntation	: Dep	ot, PM,	contra	ctor tea	m		Ins	stallation	Nan	ne:				,			
						Pr	ior Yea	rs	FY 201	2	FY 20	013	FY 2 Ba			2014 CO		2014 otal	F	FY 2015		FY 2016		FY 201	17	FY 20	)18		o plete	То	tal
Installa	tion (	Cost				C Tota	ty (Each)	/ M) To	Qty (Each		Qty (Ea		Qty (E			(Each) / Cost (\$ M		(Each) / Cost (\$ M)		Qty (Each) / tal Cost (\$ M		Qty (Each) / tal Cost (\$ M		Qty (Eacl		Qty (Ea		Qty (E	Each) / est (\$ M )		Each) / ost (\$ M )
All Prior Y	ears						0 / 0.	000	- /(	0.000	-	/ 0.000	-	/ 0.000		- / -		- / 0.000	)	- / 0.00	00	- / 0.00	0	- /	0.000	- ,	/ 0.000	-	/ 0.000	-	/ 0.000
FY 2012							0 / 0.	000	- /		-	/ -		/ -		- / -		- / -		- / -		- / -		- /	' -	-	/ -	-	/ -	-	. / -
FY 2013							0 / 0.		- /			/ -		/ -		- / -		- / -		- / -		- / -		- /	-		/ -		/ -		. / -
FY 2014 FY 2015							0 / 0.		- /			/ -		/ -		- / -		- / -		12 / -		- / -		- /			/ -		/ -		12 / -
FY 2015						_	0 / 0.		- /	-		/ -		/ -		- / -	+	- / -		- / -	+	- / -		- /	_		/ -	-	/ -	-	. / -
FY 2017							0 / 0.		- /			/ -		/ -		- / -		- / -		- / -		- / -		12 /			/ -		/ -		12 / -
FY 2018							0 / 0.	000	- /	-	-	/ -	-	/ -		- / -		- / -		- / -		- / -		- /	· -	11	1 / -	-	/ -		11 / -
To Comple	ete						0 / 0.	000	- /	-	-	/ -	-	/ -		- / -		- / -		- / -		- / -		- /	' -	-	/ -	-	/ -	-	. / -
Total							0 / 0.	000	- /	-	-	/ -	-	/ -		- / -		- / -		12 / -		- / -		12 /	-	11	1/-		/ -		35 / -
Installa	tion	Sched	dule																												_
			FY	2012			FY 2	013	,		FY	2014			FY	2015	_		FY	Y 2016			FY	2017	,		FY	2018			
1	<b>\PY</b>	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2		4	TC	Tot
In	-	-	-	-	-	-	-	-	-	-	-	-	-	2		1 3			-	-	-	3	5		-	2		-	4 -	-	35
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	1 3	3 3	-	-	-	-	3	5	4	-	2	.	5 4	4 -	-	35

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army

Date: April 2013

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:

C20000 - Stinger Mods

Modifications

ID Code (A=Service Ready, B=Not Service Ready): Program Elements for Code B Items: Other Related Program Elements: 0203801A

MDAP/MAIS Code(s):

	Prior			FY 2014	FY 2014	FY 2014					То	
Resource Summary	Years	FY 2012	FY 2013 <sup>#</sup>	Base	OCO##	Total	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	164.388	-	-	37.252	-	37.252	1.370	-	-	-	-	203.010
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	164.388	-	-	37.252	-	37.252	1.370	-	-	-	-	203.010
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	164.388	-	-	37.252	-	37.252	1.370	-	-	-	-	203.010
	(The following	g Resource Sum	nmary rows are fo	or informational p	urposes only. Th	ne corresponding	budget request	s are documente	ed elsewhere.)		1=	
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

	(The following	y Nesource Sum	illiary rows are n	or irriormational p	diposes only. 11	ie corresponding	j budget request	s are document	d elsewhere.)			
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

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

### **Description:**

The Stinger Block I missile is an advanced, fire-and-forget, short-range, man-portable, air defense weapon system. It provides low-altitude defense for ground forces against attack or aerial observation by low-flying Unmanned Aerial System (UAS), Cruise Missile (CM), Rotary Wing (RW), and high-performance Fixed-Wing (FW) threats. Stinger employs an infrared (heat seeking)/ultraviolet seeker to guide to the target. Stinger Block I has extensive infrared counter-countermeasure capabilities and can engage targets from any aspect to include head-on. The missile utilizes a high-explosive, hit-to-kill warhead. Stinger can be fired from the shoulder or from a variety of platforms to include vehicles, helicopters and UAS. The missile is delivered as a certified round and requires no field testing or maintenance.

This effort funds the procurement and installation of the newly developed Proximity Fuze (Prox Fuze) into the Stinger Block I missile. The Proximity Fuze will improve system effectiveness against the evolving UAS threat. Unmanned Aerial System Defense (UAS-D) is a requirement of the Operational Requirements Document (ORD) for the Stinger Guided Missile System.

The U.S. Army Stinger inventory is currently projected to fall below the FY12-17 Total Army Munitions Requirement (TAMR), dated 26 MAR 2010, of 3,000 missiles by the end of 2015. The incorporation of Stinger Proximity Fuze with a Shelf Life Extension Program (SLEP) will provide like-new Stinger Block I missiles with a 10-year shelf life by replacing items susceptible to degradation due to aging.

Item Schedule		Р	rior Year	s		FY 2012			FY 2013		FY	2014 Ba	ise	FY	2014 O	co	FY	2014 To	tal
	ID CD	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	<b>Qty</b> (Each)	Total Cost	Unit Cost	<b>Qty</b> (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	<b>Qty</b> (Each)	Total Cost
TBD - Stinger Proximity Fuze P3A		-	-	-	-	-	-	-	-	-	-	-	37.252	-	-	-	-	-	37.252

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

								UNG	CLAS	SIFIE	)									
Exhibit P-40, Bud	get Item Ju	ıstifi	cation S	Sheet:	PB 2014	4 Army									Date	: April	2013			
Appropriation / E 2032A: Missile Pro Modifications	Budget Activ	vity /	Budge	t Sub	Activity:	:	es / BS	SA 10:			e Item No - Stinger		ature:			<u> </u>				
ID Code (A=Service Read	, B=Not Service Re	ady):			1	Program	Elemen	ts for Cod	le B Item	ıs:			Oth	er Relate	d Progran	n Eleme	ents: 0203	801A		
MDAP/MAIS Code(s):					'															
Item Sche	dule		Р	rior Yea	rs		FY 2012	2		FY 2013	3	FY	2014 B	ase	FY	/ 2014 O	СО	FY	2014 To	otal
Item Nomenclature*	Exhibits	ID CD	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cos
Total Gross/Weapon System Cost					164.388			-			-			37.252			-			37.25
Item Sche	dule			FY 2015	j		FY 2016	<u> </u>		FY 2017	7		FY 2018	3	To	Compl	lete		Total	1
Item Nomenclature*	Exhibits	ID CD	Unit Cost	Qty (Each)	Total Cost		Qty (Each)		Unit Cost			Unit Cost	Qty (Each)	Total Cost		Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cos
TBD - Stinger Proximity Fuze			-	-	1.370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.62
Total Gross/Weapon System Cost					1.370			-			-			-			-			203.01
*Item Nomenclature repre	sents Item Numb	er, DC	DIC, and It	em Name	for the P40	A and P5;	Name for	the P18 and	d P23; Mo	_ dification N	lumber and	Modificatio	n Title for	the P3A; Ite	em Number	and Item	Name for th	ne P10.		
Note: Totals in this Exhibi	t P-40 set may no	ot be e	xact or add	due to ro	unding.															
FY14 Base Procurer  IAW Section 1815 or missions, domestic of	f the FY08 Nati	onal [	Defense A	uthorizat	ion Act (NI	DAA) P.L.	. 110-18 <sup>2</sup>	1, this item			•					Armed F	Forces for	homeland	defense	e e e e e e e e e e e e e e e e e e e

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Exhibit P-3A, Individual Modific	ation: PB 2014 Army						Date: A	April 2013		
Appropriation / Budget Activity 2032A: Missile Procurement, Arm Missiles / BSA 10: Modifications	•		<b>1 Line Item</b> I 20000 - Sting		ure:		(Modific	cation Nome cation Numb Stinger Prox	per - Modific	ation
Models of Systems Affected: FII Missile	M-92E Stinger Block I	Type Mod	dification: ⊺	BD		Related R	DT&E PEs	:		
	Prior		FY 2014	FY 2014	FY 2014				То	

_	Prior			FY 2014	FY 2014	FY 2014					То	
Resource Summary	Years	FY 2012	FY 2013 <sup>#</sup>	Base	OCO##	Total	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	-	37.252	-	37.252	1.370	-	-	-	-	38.622
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	-	37.252	-	37.252	1.370	-	-	-	-	38.622
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	37.252	-	37.252	1.370	-	-	-	-	38.622
	(The following	g Resource Sum	mary rows are fo	or informational p	urposes only. Ti	he corresponding	budget request	s are documente	ed elsewhere.)			
Initial Spares (\$ in Millions)	_	_	_	_	_	_	_	_	_	_	_	_

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

#### **Description:**

(Units in Thousands)

Gross/Weapon System Unit Cost

The Stinger Block I missile is an advanced, fire-and-forget, short-range, man-portable, air defense weapon system. It provides low-altitude defense for ground forces against attack or aerial observation by low-flying Unmanned Aerial System (UAS), Cruise Missile (CM), Rotary Wing (RW), and high-performance Fixed-Wing (FW) threats. Stinger employs an infrared (heat seeking)/ultraviolet seeker to guide to the target. Stinger Block I has extensive infrared counter-countermeasure capabilities and can engage targets from any aspect to include head-on. The missile utilizes a high-explosive, hit-to-kill warhead. Stinger can be fired from the shoulder or from a variety of platforms to include vehicles and helicopters. The missile is delivered as a certified round and requires no field testing or maintenance.

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The U.S. Army Stinger inventory is currently projected to fall below the FY12-17 Total Army Munitions Requirement (TAMR), dated 26 MAR 2010, of 3,000 missiles by the end of 2015. The incorporation of Stinger Proximity Fuze with a Shelf Life Extension Program (SLEP) will provide like-new Stinger Block I missiles with a 10-year shelf life by replacing items susceptible to degradation due to aging.

Development S	Status/Major Development Milestones	
Date	Title	Description
Dec 2013	Stinger Proximity Fuze Contract Award	Award of contract for Stinger Block I integration with Proximity Fuze.

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

Exhibit P-3A, Individual Modification: PB 2014 ArmyAppropriation / Budget Activity / Budget Sub Activity:<br/>2032A: Missile Procurement, Army / BA 03: Modification of<br/>Missiles / BSA 10: ModificationsP-1 Line Item Nomenclature:<br/>C20000 - Stinger ModsModification Nomenclature<br/>(Modification Number - Modification<br/>Title):<br/>TBD - Stinger Proximity Fuze

Models of Systems Affected: FIM-92E Stinger Block I Type Modification: TBD Related RDT&E PEs:

Missile

Wildelie												
	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Financial Plan	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M				
Procurement												
Stinger Proximity Fuze												
A Kits												
Recurring												
Hardware	0 / 0.000	- / -	- / -	850 / 30.342	- / -	850 / 30.342	- / -	- / -	- / -	- / -	- / -	850 / 30.342
Engineering Services	0 / 0.000	- / -	- / -	- / 0.762	- / -	- / 0.762	- / -	- / -	- / -	- / -	- / -	- / 0.762
Govt PM/Admin Support	0 / 0.000	- / -	- / -	- / 1.651	- / -	- / 1.651	- / -	- / -	- / -	- / -	- / -	- / 1.65°
Other Flyaway Support	0 / 0.000	- / -	- / -	- /4.497	- / -	- /4.497	- / -	- / -	- / -	- / -	- / -	- /4.497
Subtotal Recurring	0 / 0.000	- / -	- / -	850 / 37.252	- / -	850 / 37.252	- / -	- / -	- / -	- / -	- / -	850 / 37.252
Total, Stinger Proximity Fuze	0 / 0.000	- / -	- / -	850 / 37.252	- / -	850 / 37.252	- / -	- / -	- / -	- / -	- / -	850 / 37.252
Total Procurement, All Modifications	0 / 0.000	- / -	- / -	850 / 37.252	- / -	850 / 37.252	- / -	- / -	- / -	- / -	- / -	850 / 37.252
Total Procurement and Support	0.000	-	-	37.252	-	37.252	-	-	-	-	-	37.25
Stinger Proximity Fuze Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	850 / 1.370	- / -	- / -	- / -	- / -	850 / 1.370
Total Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	850 / 1.370	- / -	- / -	- / -	- / -	850 / 1.370
Total Cost (Procurement + Support + Installation)	0.000	-	-	37.252	-	37.252	1.370	-	-	-	-	38.622

LI C20000 - Stinger Mods Army UNCLASSIFIED
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P-1 Line #12

Exhit	oit P-3	3A, lı	ndivi	dual I	Vlodif	icatior	n: PB	2014	Army													[	Date: A	pril 2	2013				
	٠ A: Mis	ssile	Procu	ıreme	nt, Ar	my / B			<b>Activity</b> fication			<b>Line I</b> 000 - :		-		ure:						(	Modific Title <b>)</b> :	atio	n <b>Nome</b> n <i>Numb</i> er Proxi	er -	Modific	cation	
<b>Mode</b> Missil		Syst	tems	Affec	ted:	FIM-92	2E Sti	nger	Block I	Type I	Modif	ficatio	n: TE	3D						Rela	ated RI	DT&	E PEs:	1					
Manuf	acture	r Info	rmatio	n: Stin	ger Pr	oximity	Fuze																						
Manufa	acturer	Name	e: Pica	tinny A	rsenal										Manufa	acture	r Locatio	n: Pio	catinny A	Arsena	ıl, New Je	ersey	,						
Admini	strative	e Lead	dtime (i	in Mont	hs): 3										Produc	tion L	.eadtime	(in M	fonths): 1	18									
	Date	es			FY 2	012			FY 2013			FY 2	2014			FY 2	2015			FY 20	016		F	Y 20	17		FY	2018	
Contra	ct Date	es										Dec	2013																
Deliver												Apr 2																	
Installa	ation: S	Stinge	er Prox	imity Fı	uze					Method	of Im	plemen	tation	: Depo	Upgra	de				Insta	allation N	lame	):						
						Prio	r Year	s F	<b>/</b> 2012	FY 20	13	FY 20 Bas		FY 2			2014 otal	FY	/ 2015	FY	2016	F١	Y 2017	F	Y 2018	Co	To mplete	То	otal
Installa	ation C	Cost					(Each) / Cost (\$ N		(Each) /	Qty (Ea		Qty (Ea		Qty (E			(Each) /		(Each) / Cost (\$ M )		(Each) / Cost (\$ M )		(Each) /		y (Each) / Cost (\$ M )		(Each) / Cost (\$ M )		Each) /
All Prior	ears/						0 / 0.0	00	- /0.000	-	/ 0.000		/ 0.000		/ -	-	/ 0.000	_	- /0.000	_	- / 0.000		- / 0.000		- / 0.000		- /0.000	-	/ 0.000
FY 2012							0 / 0.0	00	- / -	-	/ -	-	/ -	-	/ -		- / -		- / -		- / -		- / -		- / -		- / -	-	- / -
FY 2013							0 / 0.0	00	- / -		1 -		/ -		1 -		- / -		- / -		- / -		- / -		- / -		- / -		- / -
FY 2014							0 / 0.0	_	- / -		1 -		/ -		/ -		- / -		- / -		- / -		- / -		- / -		- / -		- / -
FY 2015						_	0 / 0.0		- / -	-	/ -		1 -		/ -		- / -	3	850 / 1.370	1	- / -		- / -		- / -		- / -	+	0 / 1.370
FY 2016 FY 2017						_	0 / 0.0	_	- / -		/ -		1 -		/ -		- / -		- / -		- / -		- / -		- / -		- / -		- / -
FY 2018							0 / 0.0	_	- / -	-	/ -		/ -		/ -		- / -		- / -		- / -		- / -		- / -		- / -	-	- / -
To Comp	lete						0 / 0.0		- / -	-	/ -	-	/ -		/ -		- / -		- / -		- / -		- / -		- / -		- / -		- / -
Total							0 / 0.0	00	- / -	-	/ -	-	/ -	-	/ -		- / -	8	850 / 1.370		- / -		- / -		- / -		- / -	85	50 / 1.370
Install	ation S	Sched	ule																										
			FY 2	2012			FY 20	13		FY:	2014			FY 2	015			FY 2	2016		F	Y 20	)17		FY	201	3		
'									- 1											_				$\rightarrow$					
	APY	1	2	3	4	1	2	3	4 1	2	3	4	1	2	3	4	1	2	3	4	1 2	2	3 4	·	1 2	;	3 4	тс	Tot
In	APY -	1 -	2	3	4	1 -	2 -	3 -	4 1	2 -	<b>3</b> 425	-	1 -	-	3	-	-	-	3 -	-	1 2		3 4	-	1 2	;		TC -	<b>Tot</b> 850

 LI C20000 - Stinger Mods
 UNCLASSIFIED

 Army
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 P-1 Line #12

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

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:

C61700 - ITAS/TOW Mods

Modifications

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

MDAP/MAIS Code(s):

	Prior			FY 2014	FY 2014	FY 2014					То	
Resource Summary	Years	FY 2012	FY 2013 <sup>#</sup>	Base	OCO##	Total	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,054.339	13.577	-	20.000	-	20.000	20.000	20.000	1.000	-	-	1,128.916
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,054.339	13.577	-	20.000	-	20.000	20.000	20.000	1.000	-	-	1,128.916
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,054.339	13.577	-	20.000	-	20.000	20.000	20.000	1.000	-	-	1,128.916
	(The following	g Resource Sum	mary rows are fo	or informational p	urposes only. Th	ne corresponding	g budget request	s are documente	ed elsewhere.)			
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

		•	,		, ,	, ,	, ,					
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
ш												

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

### **Description:**

Army

The Improved Target Acquisition System (ITAS) with Far Target Location (FTL) is a combat proven system that provides long-range, lethal anti-armor and precision assault fires capability for Active Component and Army National Guard Infantry Brigade Combat Teams (IBCT) and Stryker Brigade Combat Teams (SBCT) across the spectrum of contemporary operational environments. ITAS with the TOW Missile provides the capability to defeat armored vehicles, bunkers, and buildings at extended ranges in all battlefield conditions. ITAS's superior surveillance capability also enables the soldier to shape the battlefield by detecting targets at long range and either engaging with TOW missiles or other weapon systems to destroy those targets with its ability to generate a 10 digit grid coordinate of a target location. The ITAS completed fielding to the total Army in December 2012. The ITAS Image Enhancement (IE) Modification Kit reduces operator workload by optimizing the image presented to the gunner through electronic processing. Electronic focus, image stabilization, and other processing techniques ensure that the image presented is optimized for the environment without manual manipulation of the various adjustment settings. This reduces the operations required by the gunner to achieve a consistent high quality image, reduces the time required to identify and engage targets on the battlefield. ITAS continues to be the weapon of choice in precision combat engagements in Operation Enduring Freedom (OEF).

Secon	ndary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	=	=	-	-	=	-
	Total Obligation Authority	13.577	-	13.370	=	13.370	-	6.017	=	-
ANG	Quantity	-	-	-	-	=	-	-	=	-
	Total Obligation Authority	-	-	6.630	-	6.630	20.000	13.537	-	-

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

								• • • • • • • • • • • • • • • • • • • •		··· · <b>—</b> -										
Exhibit P-40,	Budget Item	Justi	ficatio	ո Shee	t: PB 201	4 Army									Date	: April	2013			
<b>Appropriation</b> 2032A: Missile Modifications							les / BS	A 10:			e Item No - ITAS/T				,					
ID Code (A=Service	Ready, B=Not Service	Ready):				Program	Element	s for Cod	e B Items	s:			Oth	er Relate	d Progra	m Eleme	nts:			
MDAP/MAIS Code	e(s):																			
							FY 201		FY 201		FY 20	I								
	Distribution		FY 20	12	FY 201	3	Base		oco		Tota	ı	FY 20	015	FY 2	016	FY 2	017	FY	2018
AR Qua				-		-		-		-		-		-		-		-		-
	l Obligation Author	ity	_			-		-	1	-	_	-		-	1	0.446		-		-
Item S	chedule			Prior Y	ears		FY 2012	1		FY 201	3	F	Y 2014 Ba	ase	F	/ 2014 O	CO	FY	2014 To	otal
Item Nomenclature	* Exhibits	C	Unit Co	st Qty (Eacl		Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost
NA - NA	P3A		-	,	- 1,054.339	-	-	13.577	-	-	-	-	-	20.000	-	-	-	-	-	20.000
Total Gross/Weapon System Cost					1,054.339			13.577			-			20.000			-			20.000
-	chedule			FY 20	)15		FY 2016	1		FY 201	7		FY 2018		Te	Comple	ete .		Total	
Item Nomenclature		IE			Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost		Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost
NA - NA	P3A		- (\$1.7)	<del>- '</del> -	- 20.000	-	-	20.000	-	-	1.000	-	-	-	-	-	-	-	-	1,128.916
Total Gross/Weapon System Cost					20.000			20.000			1.000			-			-			1,128.916
*Item Nomenclature	epresents Item Nu	mber, D	ODIC, an	d Item Na	me for the P40	A and P5;	Name for	he P18 and	P23; Mod	lification N	lumber and	Modification	n Title for	the P3A; Ite	m Number	and Item	Name for th	e P10.		
Note: Totals in this E	khibit P-40 set may	not be	exact or a	dd due to	rounding.															
Justification: FY2014 Base P installation of the In accordance w defense mission	ese systems. ith Section 1815	of the	FY 2008	Nationa	l Defense Au	uthorizatio	on Act (P.	110-181	1), this ite											

LI C61700 - ITAS/TOW Mods Army

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
1 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1	P-1 Line Item Nomenclature: C61700 - ITAS/TOW Mods	Modification Nomenclature (Modification Number - Modification Title): NA - NA

Models of Systems Affected: N	A		Type Mod	ification: N	A			Related R	DT&E PEs:			
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 (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,054.339	13.577	-	20.000	-	20.000	20.000	20.000	1.000	-	-	1,128.916
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,054.339	13.577	-	20.000	-	20.000	20.000	20.000	1.000	-	-	1,128.916
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,054.339	13.577	-	20.000	-	20.000	20.000	20.000	1.000	-	-	1,128.916
	(The following	g Resource Sum	mary rows are fo	or informational p	urposes only. Ti	he corresponding	budget request	s are documente	ed elsewhere.)	•		
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost	-	-	-	-	-	-	-	-	-	-	-	-

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

#### **Description:**

(Units in Thousands)

Modification Description / Justification:

The Improved Target Acquisition System (ITAS) is a combat proven system that provides long-range, lethal anti-armor and precision assault fires capability for Active Component and Army National Guard Infantry Brigade Combat Teams (IBCT) and Stryker Brigade Combat Teams (SBCT) across the spectrum of contemporary operational environments. ITAS is a replacement for the Light Infantry's TOW 2 weapon system, and it provides the capability to defeat armored vehicles, bunkers, and buildings at extended ranges in all battlefield conditions. Far Target Locator (cut into production in FY 2006) adds a GPS based position and attitude determination subsystem to ITAS, enabling the system to generate a 10 digit grid coordinate of a target location. ITAS is integrated into the Stryker Anti-Tank Guided Missile (ATGM) vehicle of the SBCT anti-tank company. ITAS's superior surveillance capability also enables the soldier to shape the battlefield by detecting targets at long range and either engaging with TOW missiles or other weapon systems to destroy those targets. ITAS has replaced all M220 Ground TOW Systems in the United States Army, United States Marine Corps (USMC), and reserve units. ITAS has been sold to FMS customers. Canada and Portugal have purchased ITAS for their forces. ITAS continues to be the weapon of choice in precision combat engagements in Operation Enduring Freedom (OEF).

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Page 3 of 5
P-1 Line #13

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

Exhibit P-3A, Individual Modification: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:
2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: Modifications

P-1 Line Item Nomenclature:
C61700 - ITAS/TOW Mods

(Modification Number - Modification Title):
NA - NA

									INA - INA			
Models of Systems Affected: NA		Type I	Modification	on: NA			Re	lated RDT	&E PEs:			
	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Financial Plan	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M							
Procurement												
ITAS (IMPROVED TARGET ACQUISITION SYSTEM)												
A Kits												
Recurring												
Kit Quantity	1,552 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,552 / -
Equipment	0 / 840.478	- / -	- / -	- / 17.718	- / -	- / 17.718	- / 15.478	- / 14.133	- / -	- / -	- / -	- / 887.80
Fielding	0 / 40.917	- /8.016	- / -	- / -	- / -	- / -	- / 1.631	- /2.248	- / 0.673	- / -	- / -	- / 53.485
Project Management	0 / 65.901	- / 5.452	- / -	- /2.282	- / -	- /2.282	- / 2.891	- /3.619	- / 0.327	- / -	- / -	- / 80.472
Data	0 / 1.803	- / 0.109	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.912
Subtotal Recurring	1,552 / 949.099	- /13.577	- / -	- /20.000	- / -	- /20.000	- /20.000	- /20.000	- /1.000	- / -	- / -	1,552 1,023.676
Non-Recurring						•						
Training Equipment	0 / 53.536	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 53.536
Production Line Restart	0 / 3.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.700
Initial Spares	0 / 48.004	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 48.004
Subtotal Non-Recurring	0 / 105.240	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /105.240
Total, ITAS (IMPROVED TARGET ACQUISITION SYSTEM)	1,552 / 1,054.339	- /13.577	- / -	- /20.000	- / -	- /20.000	- /20.000	- /20.000	- /1.000	- / -	- / -	1,552 1,128.916
Total Procurement, All Modifications	1,552 / 1,054.339	- /13.577	- / -	- /20.000	- / -	- /20.000	- /20.000	- /20.000	- /1.000	- / -	- / -	1,552 1,128.91
Total Procurement and Support	1,054.339	13.577	-	20.000	-	20.000	20.000	20.000	1.000	-	-	1,128.91
ITAS (IMPROVED TARGET ACQUISITION SYSTEM) Installation Cost	1,552 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,552 / -
Total Installation Cost	1,552 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,552/ -
Total Cost (Procurement + Support + Installation)	1,054.339	13.577	-	20.000	-	20.000	20.000	20.000	1.000	-	-	1,128.916

LI C61700 - ITAS/TOW Mods Army UNCLASSIFIED
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Exh	ibit P-	3A, I	ndivi	dual	Modi	ficati	on: PB 2	2014 Arm	у											Date	: Apr	il 2013	3				
203	•	ssile	Procu	ireme	ent, A	my /	_	ub Activ Modificati	•	I	Line Iten 1700 - ITA	_		-						1	lificat ):	tion No	-		-	ation	
Mod	dels of	Sys	tems	Affe	cted:	NA			Ty	ype Modi	ification:	NA					F	Related	RD'	T&E P	Es:						
Man	ufacture	r Info	rmatio	n: ITA	S (IMP	ROVE	D TARGE	r ACQUISI	TION	SYSTEM)																	
Manı	ufacturer	Nam	e: Rayt	heon I	letwor	Cent	ric System:	s Company					Manuf	acturer	Locatio	n: McKini	ney, T	<									
Admi	inistrativ	e Lea	dtime <i>(i</i>	n Mon	ths): 4								Produ	ction Le	eadtime	(in Month	s): 23										
	Dat	es			FY	2012		FY 20	)13		FY 2014	4		FY 2	015		F	Y 2016			FY	2017			FY	2018	
Cont	ract Date	es																									
Deliv	ery Date	es																									
Insta	llation:	ITAS	(IMPR	OVED	TARG	ET AC	QUISITION	SYSTEM	Me	ethod of In	plementati	on: N/A					lı	nstallatio	n Na	me:	,						
											FY 2014	1	2014		2014	->	_				_			To			
							ior Years	FY 2012		FY 2013	Base		OCO		tal	FY 201		FY 2010		FY 201		FY 201	-	Comp		Tota	
Insta	llation (	Cost					Qty (Each) / al Cost (\$ M)	Qty (Each) Total Cost (\$		Qty (Each) / otal Cost (\$ M )	Qty (Each) / Total Cost (\$ N		(Each) / Cost (\$ M )		Each) / ost (\$ M )	Qty (Each Total Cost (		Qty (Each) otal Cost (\$		Qty (Each		Qty (Each		Qty (Ea		Qty (Eac Total Cost (	
All Pric	or Years						1,552 / 0.000	- /0.	000	- / 0.000	- / 0.0	00	- / -	-	/ 0.000	- /(	.000	- /0.	000	- /0	0.000	- /(	0.000	-	/ 0.000	1,552 /	0.00
FY 20°	12						0 / 0.000	- /	-	- / -	- / -		- / -	-	/ -	- /	-	- /	-	- /	-	- /	/ -	-	/ -	-	/ -
F 1 20								- /	-	- / -	- / -		- / -	-	/ -	- /	-	- /	-	- /	-	- /	/ -	-	1 -	-	/ -
FY 20	13						0 / 0.000	,					- / -	-	. / -	- /	-	- /	-	- /	-	- /	,	_	/ -	-	/ -
							0 / 0.000	- /	-	- / -	- / -												/ -				1
FY 20	14									- / -	- / -		- / -	-	/ -	- /	-	- /	-	- /		- /			/ -	-	/ -
FY 20°	14 15						0 / 0.000	- /	-					-	/ -			- /	-		-		/ -	-	/ - / -	- -	
FY 20° FY 20°	14 15 16						0 / 0.000 0 / 0.000	- /	-	- / -	- / -		- / -	-		- /	-		-	- /	-	- /	/ - / -	-			/ -
FY 20° FY 20° FY 20° FY 20° FY 20°	14 15 16 17						0 / 0.000 0 / 0.000 0 / 0.000 0 / 0.000 0 / 0.000	- / - / - / - /		- / - - / - - / -	- / - - / - - / -		- / - - / - - / -	-	/ - / -	- / - / - /		- / - /		- / - / - /		- / - / - /	/ - / - / -		/ - / -	- - -	/ - / -
FY 20° FY 20° FY 20° FY 20° FY 20° To Coi	14 15 16						0 / 0.000 0 / 0.000 0 / 0.000 0 / 0.000 0 / 0.000 0 / 0.000	- / - / - / - / - /	- - -	- / - - / - - / - - / -	- / - - / - - / - - / -		- / - - / - - / - - / -	- - -	· / - · / - · / -	- / - / - / - /		- / - / - /	- - -	- / - / - / - /		- / - / - / - /	/ - / - / -	-	/ - / - / -	  	/ - / - / -
FY 20° FY 20° FY 20° FY 20° FY 20° To Col	14 15 16 17 18 mplete	Pahas					0 / 0.000 0 / 0.000 0 / 0.000 0 / 0.000 0 / 0.000	- / - / - / - /	- - -	- / - - / - - / -	- / - - / - - / -		- / - - / - - / -	- - -	/ - / -	- / - / - /		- / - / - /	- - -	- / - / - /		- / - / - /	/ - / - / -	-	/ - / -	- - -	/ - / - / -
FY 20° FY 20° FY 20° FY 20° FY 20° To Col	14 15 16 17	Scheo		2012			0 / 0.000 0 / 0.000 0 / 0.000 0 / 0.000 0 / 0.000 0 / 0.000 1,552 / 0.000	- 1 - 1 - 1 - 1 - 1 - 1 - 1	- - -	- / / / / / / / -	- / - - / - - / - - / -		- / / / / / / -	- - -	· / - · / - · / -	- 1 - 1 - 1 - 1		- / - / - /		- / - / - / - / - /		- / - / - / - /	/ - / / - / / / / / / / / / / / / / / /	-	/ - / - / -	  	/ - / - / -
FY 20° FY 20° FY 20° FY 20° FY 20° To Col	14 15 16 17 18 mplete		FY 2	_			0 / 0.000 0 / 0.000 0 / 0.000 0 / 0.000 0 / 0.000 0 / 0.000 1,552 / 0.000	- / - / - / - / - / - / - / - / - / - /		- / / / / / / / / -	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	FY	- / - - / - - / - - / - - / -	-	-     -	- // - // - // - // FY 2016		- / - / - / - /	- - - - - FY	- / - / - / - / - /		- / - / - / - / - /	/ - / - / - / - / - / - / - / - / - / -	2018	/ - / - / - / - / - / - / - / - / - / -	- - - - 1,552	/ - / - / -
FY 20° FY 20° FY 20° FY 20° FY 20° To Con Total	114 115 116 117 118 118 118 118 118 119 119 119 119 119	Sched		2012	4	1	0 / 0.000 0 / 0.000 0 / 0.000 0 / 0.000 0 / 0.000 0 / 0.000 1,552 / 0.000	- / - / - / - / - / - / - / - / - / - /	- - -	- / / / / / / / / / - 2   3	- / - - / - - / - - / -	FY	- / / / / / / -	- - -	1	- 1 - 1 - 1 - 1		- / - / - / - /		- / - / - / - / - /		- // - // - // - // - // - //	/ - / / - / / / / / / / / / / / / / / /	-	/ - / - / - / - / - / - / - / - / - / -	1,552	/ - / - / - / - / - / -
FY 20° FY 20° FY 20° FY 20° FY 20° To Col	14 15 16 17 18 mplete		FY 2	_	4		0 / 0.000 0 / 0.000 0 / 0.000 0 / 0.000 0 / 0.000 0 / 0.000 1,552 / 0.000	- / - / - / - / - / - / - / - / - / - /		- / / / / / / / / -	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	FY 2	- / - - / - - / - - / - - / -	-	-     -	- // - // - // - // FY 2016		- / - / - / - /	- - - - - FY	- / - / - / - / - /		- / - / - / - / - /	/ - / - / - / - / - / - / - / - / - / -	2018	/ - / - / - / - / - / - / - / - / - / -	1,552	/ - / - / -

LI C61700 - ITAS/TOW Mods Army UNCLASSIFIED
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P-1 Line #13

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army

Date: April 2013

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:

C67500 - MLRS Mods

Modifications

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

Program Elements for Code B Items:

**Other Related Program Elements:** 

MDAP/MAIS Code(s):

	Prior			FY 2014	FY 2014	FY 2014					То	
Resource Summary	Years	FY 2012	FY 2013 <sup>#</sup>	Base	OCO##	Total	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	375.233	8.236	2.466	11.571	-	11.571	49.494	49.500	48.389	49.200	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	375.233	8.236	2.466	11.571	-	11.571	49.494	49.500	48.389	49.200	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	375.233	8.236	2.466	11.571	-	11.571	49.494	49.500	48.389	49.200	Continuing	Continuing
	(The following	Resource Sum	mary rows are fo	or informational p	urposes only. Th	ne corresponding	g budget request	s are documente	d elsewhere.)		•	

	(The following F	Resource Sumi	mary rows are fo	r informational p	urposes only. Ti	he corresponding	budget request	s are documented	elsewhere.)		,	
Initial Spares (\$ in Millions)	698.911	1.031	1.064	1.083	-	1.083	1.087	1.076	1.095	1.108	Continuing	Continuing
Flyaway Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

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

#### **Description:**

The Multiple Launch Rocket and Missile System (MLRS) is a full spectrum, combat proven, all weather, 24/7 lethal and responsive, Precision Strike weapon system that is organic/assigned to Fires Brigades supporting Brigade Combat Teams. The MLRS launcher provides critical missile precision strike, operational shaping fires, counterfire, and close support destructive and suppressive fires. The launcher is complemented by the MLRS Family of Munitions (MFOM) to include the Guided Multiple Launch Rocket System (GMLRS), and the Army Tactical Missile System (ATACMS) Family of Munitions (AFOM), capable of engaging targets up to a range of 300 kilometers.

Seco	ndary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	8.236	2.434	9.256	-	9.256	34.700	48.652	48.389	25.000
ANG	Quantity	=	-	-	-	-	-	-	=	-
	Total Obligation Authority	-	0.032	2.315	-	2.315	14.794	0.848	-	24.200

LI C67500 - MLRS Mods
Army

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P-1 Line #14

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

								UNG	CLASS	SIFIED	)									
Exhibit P-40, Bu	udget Item Ju	ıstifi	cation	Sheet:	PB 2014	4 Army									Date	e: April	2013			
Appropriation / 2032A: Missile F Modifications	Budget Activ	vity /	Budge	t Sub	Activity	:	les / BS	SA 10:			Item No - MLRS		ature:			<u> </u>				
ID Code (A=Service Rea	ady, B=Not Service Re	ady) :				Program	Elemen	ts for Cod	le B Items	s:			Oth	er Relate	d Prograi	m Eleme	nts:			
MDAP/MAIS Code(s	s):												'							
Item Sch	nedule		Р	rior Yea	rs		FY 2012	2		FY 2013	3	FY	2014 B	ase	FY	Y 2014 O	СО	F	Y 2014 To	otal
Item Nomenclature*	Exhibits	ID	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost
000 - Multiple Launch Rocket System (MLRS) Modifications	РЗА		-	-	375.233	-	-	8.236	-	-	2.466	-	-	11.571	-	-	-	-	-	11.571
Total Gross/Weapon System Cost					375.233			8.236			2.466			11.571			-			11.571
Item Sch	nedule			FY 2015	5		FY 2016	<u> </u>		FY 2017	,		FY 2018	3	To	o Comple	 ete		Total	
		ID	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost
Item Nomenclature*	Exhibits	CD	(\$ K)	(Each)	(\$ M)	(\$ K)	(Each)	(\$ M)	(\$ K)	(Each)	(\$ M)	(\$ K)	(Each)	(\$ M)	(\$ K)	(Each)	(\$ M)	(\$ K)	(Each)	(\$ M)
000 - Multiple Launch Rocket System (MLRS) Modifications	P3A		-	-	49.494	-	-	49.500	-	-	48.389	-	-	49.200		Continuing	1		Continuing	ı
Total Gross/Weapon System Cost					49.494			49.500			48.389			49.200		Continuing	9		Continuin	J
*Item Nomenclature rep	presents Item Numb	er, DC	DIC, and It	em Name	for the P40	A and P5;	Name for	the P18 and	d P23; Mod	ification N	umber and	Modificatio	n Title for	the P3A; Ite	em Number	and Item	Name for th	ne P10.		
Note: Totals in this Exh	ibit P-40 set may no	ot be e	xact or add	due to ro	unding.															
Justification: FY14 Base procur Integration to inclu Armored Cab.  In accordance with defense missions,	de measures for a Section 1815 of	other	hardware	and sof	tware requ efense Au	ired in su ithorizatio	pport of I n Act (P.	auncher u L. 110-18	pgrades.  1), this iter	FY14 fun	ds also pr	ovide pro	curemen	t and insta	allation of	increased	d crew pro	otection w	vith the In	nproved

**UNCLASSIFIED** LI C67500 - MLRS Mods 104 Page 2 of 15 P-1 Line #14 Army

Exhibit P-3A, Individual Modific	ation: PB 2	014 Army							Date: A	pril 2013		
Appropriation / Budget Activity 2032A: Missile Procurement, Arm Missiles / BSA 10: Modifications				<b>1 Line Item I</b> 37500 - MLRS		ure:			(Modification): Title): 000 - Mu		e <i>r - Modifica</i> ch Rocket S	
Models of Systems Affected: M	270A1		Type Mod	dification: .				Related RI	OT&E PEs:			
Resource Summary	Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	375.233	8.236	2.46	11.571	-	11.571	49.494	49.500	48.389	49.200	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	375.233	8.236	2.46	11.571	-	11.571	49.494	49.500	48.389	49.200	Continuing	Continuing

	(The following	g Resource Sum	mary rows are for in	formational p	urposes only. Ti	ne corresponding	g budget request	s are document	ed elsewhere.)			
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

11.571

49.494

49.500

48.389

49.200 Continuing

Continuing

11.571

375.233

8.236

2.466

## **Description:**

Modifications of the MLRS System

Plus CY Advance Procurement (\$ in Millions)

Total Obligation Authority (\$ in Millions)

LI C67500 - MLRS Mods
Army

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P-1 Line #14

<sup>&</sup>lt;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

Exhibit P-3A, Individual Modification: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:
2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: Modifications

P-1 Line Item Nomenclature:
C67500 - MLRS Mods

(Modification Number - Modification Title):
000 - Multiple Launch Rocket System (MLRS) Modifications

Models of Systems Affected: M270A1		Type I	Modification	n: .			Re	lated RDT	&E PEs:			
	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Financial Plan	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M							
Procurement					'							
Inactive Mods												
A Kits												
Recurring												
Kit Quantity	0 / 291.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 291.70
Subtotal Recurring	0 / 291.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /291.70
Total, Inactive Mods	0 / 291.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /291.70
M993A1												,
A Kits		•										
Recurring												
Kit Quantity	0 / 4.233	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /4.233
Installation Kits	0 / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.300
Subtotal Recurring	0 / 4.533	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /4.533
Total, M993A1	0 / 4.533	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /4.533
Global Positioning System (GPS) Upgrades												,
A Kits												
Recurring												
Installation Kits	0 / 0.230	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.230
Subtotal Recurring	0/0.230	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /0.230
Total, Global Positioning System (GPS) Upgrades	0 / 0.230	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /0.230
Obsolescence Mitigations/ECP Reliability Intg												,
A Kits												•
Recurring												
Equipment	0 / 33.770	- /5.350	- / 1.602	- /3.711	- / -	- /3.711	- /3.327	- / 3.424	- /4.142	- /4.531	- / -	- / 59.857
Subtotal Recurring	0/33.770	- /5.350	- /1.602	- /3.711	- / -	- /3.711	- /3.327	- /3.424	- /4.142	- /4.531	- / -	- / 59.85
Total, Obsolescence Mitigations/ECP Reliability Intg	0/33.770	- /5.350	- /1.602	- /3.711	- / -	- /3.711	- /3.327	- /3.424	- /4.142	- /4.531	- / -	- / 59.85
Auxiliary Power Unit/Environmental Control Unit												,
A Kits												•
Recurring												
Installation Kits	0 / 1.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.800

Exhibit P-3A, Individual Modification: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 03: Modification of

Missiles / BSA 10: Modifications

P-1 Line Item Nomenclature:

C67500 - MLRS Mods

Date: April 2013

Modification Nomenclature

(Modification Number - Modification

Title):

000 - Multiple Launch Rocket System

(MLRS) Modifications

Models of Systems Affected: M270A1 Type Modification: . Related RDT&E PEs:

vioueis of Systems Affected. MZTOAT		iypei	vioumcatic	/11			1.10	iateu ND i	<b>GE : E5.</b>			
	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Financial Plan	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ N			
Equipment	0 / 9.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.50
Other	0 / 1.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.20
Subtotal Recurring	0 / 12.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /12.50
Total, Auxiliary Power Unit/Environmental Control Unit	0 / 12.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /12.5
Enhanced Command and Control (C2)												
A Kits												
Recurring												
Equipment	201 / 17.100	24 / 2.294	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	225 / 19.39
Subtotal Recurring	201 / 17.100	24 / 2.294	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	225 / 19.3
Total, Enhanced Command and Control (C2)	201 / 17.100	24 / 2.294	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	225 / 19.3
Improved Armored Cab (IAC)												
A Kits												
Recurring												
Equipment	0 / 0.000	- / -	- / -	16 / 7.716	- / -	16 / 7.716	33 / 16.800	42 / 16.619	42 / 15.597	45 / 17.349	47 / 17.679	225 / 91.7
Subtotal Recurring	0 / 0.000	- / -	- / -	16 / 7.716	- / -	16 / 7.716	33 / 16.800	42 / 16.619	42 / 15.597	45 / 17.349	47 / 17.679	225 / 91.7
Total, Improved Armored Cab (IAC)	0 / 0.000	- / -	- / -	16/7.716	- / -	16/7.716	33 / 16.800	42 / 16.619	42 / 15.597	45 / 17.349	47 / 17.679	225 / 91.7
Fire Control System (FCS) Upgrade												
A Kits												
Recurring												
Equipment	0 / 0.000	- / -	- / -	- / -	- / -	- / -	10 / 28.884	11 / 28.102	9 / 26.956	13 / 25.668	31 / 69.609	74 / 179.2
Subtotal Recurring	0 / 0.000	- / -	- / -	- / -	- / -	- / -	10 / 28.884	11 / 28.102	9 / 26.956	13 / 25.668	31 / 69.609	74 / 179.2
Total, Fire Control System (FCS) Upgrade	0/0.000	- / -	- / -	- / -	- / -	- / -	10 / 28.884	11 / 28.102	9 / 26.956	13 / 25.668	31 / 69.609	74 / 179.2
Drivers Vision Enhancements(DVE)												
A Kits												
Recurring												
Equipment	225 / 6.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	225 / 6.8
Subtotal Recurring	225 / 6.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	225 / 6.8
Total, Drivers Vision Enhancements(DVE)	225 / 6.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	225 / 6.8
Total Procurement, All Modifications	426 / 366.633	24 / 7.644	- /1.602	16 / 11.427	- / -	16 / 11.427	43 / 49.011	53 / 48.145	51 / 46.695	58 / 47.548	78 / 87.288	749 / 665.9
Total Procurement and Support	366.633	7.644	1.602	11.427		11.427	49.011	48.145	46.695	47.548	87.288	665.99

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Exhibit P-3A, Individual Modification: PB 2014 ArmyAppropriation / Budget Activity / Budget Sub Activity:P-1 Line Item Nomenclature:Modification Nomenclature2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: ModificationsC67500 - MLRS Mods(Modification Number - Modification Title):000 - Multiple Launch Rocket System (MLRS) Modifications

Models of Systems Affected: M270A1 Type Modification: . Related RDT&E PEs:

	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Financial Plan	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )								
Inactive Mods Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
M993A1 Installation Cost	0 / 2.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /2.800
Global Positioning System (GPS) Upgrades Installation Cost	0 / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /0.200
Obsolescence Mitigations/ECP Reliability Intg Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Auxiliary Power Unit/Environmental Control Unit Installation Cost	0 / 3.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /3.100
Enhanced Command and Control (C2) Installation Cost	125 / 2.000	37 / 0.592	54 / 0.864	9 / 0.144	- / -	9 / 0.144	- / -	- / -	- / -	- / -	- / -	225 / 3.600
Improved Armored Cab (IAC) Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	16 / 0.483	33 / 1.014	42 / 1.312	42 / 1.334	92 / 2.768	225 / 6.911
Fire Control System (FCS) Upgrade Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.341	11 / 0.382	9 / 0.318	44 / 0.832	74 / 1.873
Drivers Vision Enhancements(DVE) Installation Cost	225 / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	225 / 0.500
Total Installation Cost	350 / 8.600	37 / 0.592	54 / 0.864	9/0.144	- / -	9/0.144	16 / 0.483	43 / 1.355	53 / 1.694	51 / 1.652	136 / 3.600	749 / 18.984
Total Cost (Procurement + Support + Installation)	375.233	8.236	2.466	11.571	-	11.571	49.494	49.500	48.389	49.200	90.888	684.977

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Exh	ibit P-	-3A, I	Indivi	dual	Modif	icatio	on: PB	2014 Arı	ny											Date	e: Ap	ril 2013	3				
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Adminis	strative	Lead	time (i	in Mon	ths): 3								F	Produc	tion Leadtime	(in Months)	: 6										
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Insta All Prio FY 201 FY 201 FY 201 FY 201 FY 201 FY 201 TO Cor Total	Illation ( r Years 2 3 4 5 6 7 8 nplete	Cost	dule		gations/	Pric	or Year y (Each) / Cost (\$ h 0 / 0.0 0 / 0.0 0 / 0.0 0 / 0.0 0 / 0.0 0 / 0.0 0 / 0.0 0 / 0.0 0 / 0.0 0 / 0.0	S FY 2012  Oty (Each) / Total Cost (\$ N 000 - / 0.0 000 - / - 0.0 000 -	FY Otty Total (	/ 2013	FY 2014 Base  Qty (Each) Total Cost (\$ - / 0	4 F  O(M) Total  O(000)	FY 2014 OCO  tty (Each) / al Cost (\$ M)  - / - /	Total  Qty (Each), Total Cost (\$ i \)  -	OO Total	Qty (Each) / tal Cost (\$ M ) - / 0.000 - / / / / / / / / / / / / / / / / / -	FY 2016  Qty (Each) /  Total Cost (\$ M )  - / 0.000  - / -  - / -  - / -  - / -  - / -  - / -  - / -  - / -  - / -  - / -  - / -  - / -  - / -  - / -	FY 2017  Qty (Each) Total Cost (\$ \) 0 - / 0.0  - / 1  - / - /  - / - /  - / - /  - / - /  - / - /  - / - /	(A) Too	Qty (Each) /  otal Cost (\$ M ) - / 0.000 - / / / / / / / / / / / -	Complete  Qty (Each) / Total Cost (\$ M / Total C	Qty (E Total Ca	(Each) / Cost (\$ M / O.00 (\$ M
Insta All Prio FY 201 FY 201 FY 201 FY 201 FY 201 FY 201 TO Cor Total	Illation (r Years 2 3 4 4 5 6 6 7 8 mplete	Cost	dule FY	2012		Price Other Total	or Year y (Each) / Cost (\$ N 0 / 0.0 0 / 0.0 0 / 0.0 0 / 0.0 0 / 0.0 0 / 0.0 0 / 0.0 0 / 0.0 0 / 0.0 FY 20	S FY 2012  Oty (Each) / Total Cost (\$ N 000 - / 0.0 000 - / - /	FY   Qty   Total (000   000	/ 2013 (Each) / Cost (\$ M) - / 0.000 - / - /	FY 2011 Base Qty (Each) Total Cost (\$ - / 0 - / - / - / - / - / - / - / - / - / - /	4 F  // Q; // Tota  // O000	FY 2014 OCO  tty (Each) / al Cost (\$ M )  - / -	Total  Qty (Each), Total Cost (\$ \\$ \]  - \ / 0.0  - \ / 0.1  - \	A) Total	Qty (Each) / tal Cost (\$ M ) - / 0.000 - / / / / / / / / / / / / / / / / / -	FY 2016  Oty (Each) / Total Cost (\$ M)  - / 0.000  - / -  - / -  - / -  - / -  - / -  - / -  - / -  - / -  - / -  - / -  - / -  - / -  - / -	FY 2017  Qty (Each)  Total Cost (\$)  - / 0.0  - /  - /  - /  - /  - /  - /  - /  -	000	Oty (Each) / otal Cost (\$ M ) - / 0.000 - / / / / / / / / / / / -	Complete  Qty (Each) / Total Cost (\$ M / - / 0.000   - / -   -	Qty (E Total Ca	(Each) / Cost (\$ M / 0.00 - / - / / / / / / / / / / / -

Exhil	bit P	-3A,	Indiv	idual	Modi	ificati	ion: F	PB 20	014 A	rmy														Dat	te: A	pril 20	13				
	A: Mi	issile	Proc	urem	ent, A	rmy /	_		ub Ac lodific	-			_		Nome S Mo		ture	:						(Mo	odifica e): 0 - Mu	ation lation l	V <i>umb</i> Laun	e <i>r - N</i> ch Ro	lodific		n
Mode	els of	f Sys	tems	Affe	cted:	M27	0A1				Туре	Modi	ificat	ion: .								Relate	d RE	T&E	PEs:						
Manuf	facture	er Info	rmatio	on: Au	xiliary	Powe	r Unit/l	Envir	onmen	tal Co	ntrol U	nit																			
Manuf	acture	r Nam	e: TBD	)												Manu	factu	er Loca	tion: T	BD											
Admin	istrativ	/e Lea	dtime	(in Mor	nths): 3	,										Produ	uction	Leadtim	ne (in l	Month	s): 13	3									
	Da	tes	FY 2012 FY 2013 FY 2014 FY 2015 FY 2016 FY 2017 FY 2018	2018																											
Contra	act Dat	es	FY 2012 FY 2013 FY 2014 FY 2015 FY 2016 FY 2017 FY 2018																												
Delive	ry Date	es																													
Install	ation:	Auxili	iary Po	wer Ur	nit/Envi	ironme	ntal Co	ntrol	Unit		Method	d of Im	pleme	entatio	n: TBD							Installa	tion N	ame:							
																	F	Y 2014										Т	о		
						Р	rior Ye	ars	FY 2	012	FY 2	013	В	ase	0	СО		Total	F	Y 201	5	FY 20	16	FY 20	017	FY 2	018	Com	plete	То	otal
Install	ation	Cost					Qty (Each		Qty (Ea																						Each) / ost (\$ M )
All Prior	Years						0/3	3.100	-	/ 0.000	-	/ 0.000	-	/ 0.000	)	- / -		- /0.00	10	- /0	.000	-	/ 0.000	-	/ 0.000	-	/ 0.000	-	/ 0.000	-	/ 3.100
FY 2012							0/0	0.000	-	/ -	-	/ -		- / -		- / -		- / -		- /	-	-	/ -	-	/ -	-	/ -	-	. / -	-	- / -
FY 2013	i						0/0	0.000	-	/ -	-	/ -		- / -		- / -		- / -		- /	-	-	/ -	-	/ -	-	/ -	-	/ -	-	- / -
FY 2014							0/0	0.000	-	/ -	-	/ -		- / -		- / -		- / -		- /	-	-	/ -	-	1 -	-	/ -	-	/ -	-	- / -
FY 2015							0/0	0.000	-	1 -	-	/ -		- / -		- / -		- / -		- /	-	-	/ -	-	/ -	-	/ -	-	/ -		- / -
FY 2016								0.000		/ -	-	/ -			_			- / -			_		-		-					1	- / -
FY 2017								0.000		/ -	-										-							-		+	- / -
FY 2018								0.000		/ -	-				+						_										- / -
To Comp	plete							3.100		1 -	_				_						-		-					-			/ 3.100
Install	ation	Sched	dule				073	3.100		, -	_	, -		- / -		- / -		- / -		- /	- 1		/ -		/ -		, -		/ -		/ 3.100
				2012			FY	2013			FY	2014			FY	2015			FY	2016			F	Y 2017			F۱	2018		Т	1
	APY	1	2	3	4	1	2	3	4	1	2	Oty (Each) / Oty (Each) / Total Cost (\$ M )   Total Cost (\$ M )	тс	Tot																	
In	225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	225
Out	225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	225

LI C67500 - MLRS Mods

Army

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P-1 Line #14

Exhibit P-3A, Indiv	idual Modification: P	B 2014 Army				Date: April 2013	
	dget Activity / Budge curement, Army / BA 00 Modifications		P-1 Line Item No C67500 - MLRS			Modification Nome (Modification Numb Title): 000 - Multiple Laund (MLRS) Modification	er - Modification ch Rocket System
Models of Systems	s Affected: M270A1	Тур	e Modification: .		Related R	DT&E PEs:	
Manufacturer Informati	on: Enhanced Command a	and Control (C2)					
Manufacturer Name: TBI	)			Manufacturer Location: TE	3D		
Administrative Leadtime	(in Months): 3			Production Leadtime (in M	Months): 9		
Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Jan 2011	Jan 2012	Jan 2013				
Delivery Dates	Oct 2011	Oct 2012	Oct 2013				

Installation: Enhanced Comm	nand and Control (C2)		Method of Im	nplementation	: TBD			Installation N	lame:			
	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Installation Cost	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
All Prior Years	125 / 2.000	37 / 0.592	- / 0.000	- / 0.000	- / -	- /0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- /0.000	162 / 2.592
FY 2012	0 / 0.000	- / -	54 / 0.864	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 0.864
FY 2013	0 / 0.000	- / -	- / -	9 / 0.144	- / -	9 / 0.144	- / -	- / -	- / -	- / -	- / -	9 / 0.144
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	125 / 2.000	37 / 0.592	54 / 0.864	9 / 0.144	- / -	9 / 0.144	- / -	- / -	- / -	- / -	- / -	225 / 3.600

## Installation Schedule

		000	u.0																												
			FY 2	2012			FY 2	2013			FY	2014			FY 2	2015			FY 2	2016			FY 2	2017			FY 2	2018			
	APY	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	TC	Tot
In	125	9	9	9	10	13	13	14	14	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225
Out	125	-	-	19	18	-	19	19	16	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225

					UN	CLASS	ILIED						
Exhibit P-3A, Indi	vidual Modific	ation: PB 2	2014 Army							Date: A	pril 2013		
Appropriation / Box 2032A: Missile Pro Missiles / BSA 10:	curement, Arm				<b>Line Item</b> 7500 - MLR		lature:			(Modific Title): 000 - M	ation Nome eation Numb ultiple Laun Modificatio	ch Rocket	
Models of System	s Affected: M	270A1		Type Mod	ification: .				Related R	DT&E PEs:			
Manufacturer Informa	tion: Improved Ar	mored Cab (I	AC)										
Manufacturer Name: TE	BD					Ma	nufacturer Location	on: TBD					
Administrative Leadtime	e (in Months): 3					Pro	duction Leadtime	(in Months): 9	)				
Dates	FY 201	2	FY 2013		FY 2014		FY 2015		FY 2016	F	Y 2017	FY	2018
Contract Dates							Jan 2014		Jan 2015	J	an 2016	Jar	2017
Delivery Dates							Oct 2014		Oct 2015	С	ct 2016	Oct	t 2016
Installation: Improved	Armored Cab (IAC)	)		Method of In	nplementation	n: TBD			Installation N	Name:			
		Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Installation Cost		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) Total Cost (\$		Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
All Prior Years		0 / 0.000	- / 0.000	- / 0.000	- / 0.000	- /	/ 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- /0.000
FY 2012		0 / 0.000	- / -	- / -	- / -	- /	/ -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013		0 / 0.000	- / -	- / -	- / -	- /		- / -	- / -	- / -	- / -	- / -	- / -
FY 2014		0 / 0.000	- / -	- / -	- / -	- /		16 / 0.483	- / -	- / -	- / -	- / -	16 / 0.483
FY 2015		0 / 0.000	- / -	- / -	- / -	- /		- / -	33 / 1.014	- / -	- / -	- / -	33 / 1.014
FY 2016		0 / 0.000	- / -	- / -	- / -	- /	- / -	- / -	- / -	42 / 1.312	- / -	- / -	42 / 1.312

Installation Schedule

FY 2017

FY 2018

To Complete Total

motai	iation	ocnea	uic																												
			FY 2	2012			FY 2	2013			FY 2	2014			FY 2	2015			FY 2	2016			FY 2	017			FY 20	018			
	APY	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	тс	Tot
ln	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	8	8	8	9	10	10	11	11	10	10	11	11	92	225
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	19	14	-	19	-	23	-	19	-	23	92	225

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33 / 1.014

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16 / 0.483

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42 / 1.312

42 / 1.334

- / -

- / -

42 / 1.334

- / -

45 / 1.454

47 / 1.314

92 / 2.768

42 / 1.334

45 / 1.454

47 / 1.314

225 / 6.911

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Exh	ibit P-	3A, I	ndivi	dual	Modi	ficati	on: P	B 20	14 Arm	ıy														Date	: Apr	il 201	3				
2032	•	ssile	Proc	ureme	ent, Ai	rmy /	_		<b>b Activ</b> odificati	_			<b>Line</b>				ure:							(Mod Title)	<i>dificat</i> ): - Muli	tion N	umbe aunc	enclati er - Mo ch Roo	odifica		I
Mod	lels of	Sys	tems	Affe	cted:	M270	)A1				Type I	Modi	ificatio	on: .							R	elated	RDT	&E P	Es:						
Manı	ıfacture	er Info	rmatic	n: Fire	Conti	rol Sys	stem (F	CS) l	Jpgrade																						
Manu	facturer	r Nam	e: TBD													Manuf	acture	er Locat	ion: Tl	BD											
Admi	nistrativ	e Lead	dtime (	in Mon	ths): 3											Produ	ction l	Leadtim	e (in N	/onths	): 9										
<u> </u>	Dat	tes			FY 2	2012			FY 2	013			FY	2014			FY	2015			FY	2016			FY	2017			FY 2	2018	
Contr	act Date	es																			Jar	n 2015			Jan	2016			Jan	2017	
Deliv	ery Date	es																			Oc	t 2015			Oct	2016			Oct	2017	
Insta	llation:	Fire C	Control	Systen	n (FCS	) Upgra	ade			_	Method	of In	•								In	stallatio	n Nan	ne:			ı				
Insta	llation:	Fire C	Control	Systen	n (FCS	) Upgra	ade			$\dashv$	Method	of In	rplemer FY 2			2014	EV	′ 2014			In	stallatio	n Nan	ne:				To			
1						Pr	ior Yea	ars	FY 201	2	FY 20	13	Ba			co		Total	F	Y 2015		FY 2016	;	FY 201	7	FY 20	18	Comp		Tot	al
Insta	llation (	Cost					ty (Each		Qty (Each) otal Cost (\$		Qty (Eac Total Cost		Qty (E Total Cos			Each) / est (\$ M )		(Each) / Cost (\$ M )		y (Each) Cost (\$ i		Qty (Each) tal Cost (\$		Qty (Each tal Cost (\$		Qty (Eac		Qty (Ea		Qty (Ea	ich) / t (\$ M )
All Prio	r Years						0/0	.000	- /0	.000	- ,	0.000	-	/ 0.000	-	/ -		- / 0.000	0	- /0.0	000	- /0.	000	- /0	0.000	- /	0.000	-	/ 0.000	-	/ 0.000
FY 201	2						0/0	.000	- /	-	-	/ -	-	/ -	-	/ -		- / -		- /	-	- /	-	- /	-	-	/ -	-	/ -	-	/ -
FY 201							0/0		- /	_		/ -		/ -	_	/ -		- / -		- /		- /		- /			/ -		/ -		/ -
FY 201							0/0		- /			/ -		/ -		1 -		- / -		- /	_	- /		- /			1 -		/ -		/ -
FY 201							0/0		- /			/ -		/ -		/ -		- / -		- /		10 / 0.		- /			/ - / -		1 -		/ 0.341
FY 201 FY 201							0/0		- /	_		/ -		/ -		/ -		- / -		- /		- /		11/0	_		0.318		/ -		/ 0.382
FY 201							0/0		- /	_		/ -		/ -		/ -		- / -		- /		- /		- /			/ -		/ 0.467		/ 0.467
To Con							0/0		- /	_		/ -		/ -		/ -		- / -		- /	_	- /		- /	_		1 -		/ 0.365		/ 0.365
,							0/0	.000	- /	-	-	/ -	-	/ -	-	/ -		- / -		- /	-	10 / 0.	341	11/0	0.382	9 /	0.318	44	/ 0.832	74	/ 1.873
Total																															
Total	llation \$	Sched	lule																												
Total	llation	Sched		2012			FY :	2013			FY 2	2014			FY 2	2015			FY	2016			FY	2017			FY	2018			
Total	llation S	Sched 1		2012	4	1	FY 2	2013	4	1	FY 2	2014	4	1	FY 2	2015	4	1	FY 2	2016	4	1	FY :	2017	4	1	FY 2	2018	4	тс	Tot
Total			FY		4	1 -			4 -	1	_	-	4	1 -			4	1 2		3		<b>1</b> 3 2		3		-	2	3	4 3		<b>Tot</b> 74

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P-1 Line #14

Exhib	oit P-	3A, I	Indivi	dual	Modi	ificati	on: P	В 2	2014 Ar	my														Date	e: Ap	oril 201	13					
	۹: Mis	ssile	Proc	ureme	ent, A	rmy /			Sub Act Modifica				<b>1 Line</b> 37500 -				ture:							(Mod Title	<i>difica</i> ): - Mu	ation I ation N altiple I Modifi	V <i>umb</i> Laun	e <i>r - 1</i> 1 ch Ro	∕lodific			
Mode	els of	Sys	tems	Affe	cted:	M27	0A1				Туре	Мо	dificati	ion: .							R	elated	RDT	Г&Е Р	Es:					-		
Manuf	acture	r Info	rmatic	n: Dri	vers V	ision E	Enhand	cem	ents(DVI	Ξ)																						
Manufa	acturer	Nam	e: TBD	)												Manu	ıfactur	er Locati	on: Tl	BD										-		
Admini	strativ	e Lea	dtime (	in Mor	ths): 3											Produ	uction	Leadtime	e (in N	Months):	9											
	Dat	es			FY	2012			FY	2013			FY	2014			FY	2015			F١	/ 2016			F۱	2017			FY	2018		
Contra	ct Date	es			Jan	2010																										_
Deliver	v Date	es			Oct	2010																										_
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Install		Cost				Tot	al Cost (\$		Total Cost		Total Co			ost (\$ M )	_	Cost (\$ M	) Total	Cost (\$ M )	_	Cost (\$ M	_	otal Cost (\$ N		otal Cost (		Total Cos			ost (\$ M )	_		_
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Total	nete						225 / 0			/ -		/ -		- / -		- / -		- / -		- / -	+	- / -	_	- /	_		/ -		- / -		25 / 0.5	
Install	ation S	Sched	dule																			-										_
			FY	2012			FY	201	3		F	2014	4		F۱	<b>/ 2015</b>			FY	2016			FY	2017			FY	2018		T	$\top$	
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Out	225	-	-	-	-	-	-	Ι.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 -	-	-	-	2	225

LI C67500 - MLRS Mods
Army

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Page 15 of 15
P-1 Line #14

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army

Date: April 2013

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:

C67501 - HIMARS Modifications

Modifications

Program Elements for Code B Items:

Other Related Program Elements: 0210600A, 0603778A,

0210602A

P-1 Line #15

MDAP/MAIS Code(s):

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

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 (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	190.940	11.670	6.068	6.105	-	6.105	6.073	6.318	6.335	6.411	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	190.940	11.670	6.068	6.105	-	6.105	6.073	6.318	6.335	6.411	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	190.940	11.670	6.068	6.105	-	6.105	6.073	6.318	6.335	6.411	Continuing	Continuing
	(The following	Resource Sum	mary rows are fo	r informational p	urposes only. Th	he corresponding	budget requests	s are documente	d elsewhere.)	í	•	
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

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

### **Description:**

LI C67501 - HIMARS Modifications

The M142 High Mobility Artillery Rocket System (HIMARS) is a C-130 Transportable launcher mounted on a Family of Medium Tactical Vehicles (FMTV) chassis. The HIMARS is capable of firing either six Multiple Rocket Launcher System (MLRS) Family of Munitions (MFOM) rockets or one Army Tactical Missile System (ATACMS) Family of Munitions (AFOM) missile to a range of 300 kilometers. Modification kits will be procured for the HIMARS Launcher and associated training and ground support equipment. These modifications are vital to the Forces and will provide an increase in crew protection via an Increased Crew Protection (ICP) cab, enhance command and control, decrease Operations and Support costs, reduce logistical impacts, resolve safety issues, and mitigate obsolescence.

Secon	dary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	6.050	3.576	3.663	-	3.663	3.637	3.738	3.748	3.792
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	5.620	2.492	2.442	-	2.442	2.436	2.580	2.587	2.619

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

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:

Modifications

Date: April 2013

P-1 Line Item Nomenclature:

C67501 - HIMARS Modifications

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

Program Elements for Code B Items:

Other Related Program Elements: 0210600A, 0603778A,

0210602A

MDAP/MAIS Code(s):

Item Sched	dule		Р	rior Yea	rs		FY 2012			FY 2013		FY	2014 Ba	ise	FY	2014 O	СО	FY	<b>2014 To</b>	tal
Item Nomenclature*	Exhibits	ID CD	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost
0000 - HIMARS Modifications	P3A		-	-	190.940	-	-	11.670	-	-	6.068	-	-	6.105	-	-	-	-	-	6.105
Total Gross/Weapon System Cost					190.940			11.670			6.068			6.105			-			6.105
Item Sched	dule			FY 2015			FY 2016			FY 2017			FY 2018		To	Comple	ete		Total	
Item Sched	dule Exhibits	ID CD	Unit Cost	Qty (Each)			Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost		Qty (Each)		Unit Cost	Qty (Each)		Unit Cost	Qty (Each)	Total Cost
	Exhibits		Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty		Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost		Qty	(\$ M )

\*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.

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

#### Justification:

FY 2014 Base procurement dollars in the amount of \$6.105 million procures and installs Enhanced Command and Control (C2), XM1140A1 Chassis Upgrades, Obsolescence Mitigation/Engineering Change Proposal Integration to include measures for other hardware and software required in support of launcher upgrades such as transparent armor protection and suspension improvements.

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.

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Exhibit P-3A, Individual Modific	ation: PB 2	2014 Army							Date: A	pril 2013		
Appropriation / Budget Activity 2032A: Missile Procurement, Arm Missiles / BSA 10: Modifications				<b>1 Line Item</b> 17501 - HIM <i>A</i>					(Modific Title):	<b>ation Nom</b> ation Numb	er - Modific	ation
<b>Models of Systems Affected:</b> M Artillery Rocket System	142 High M	obility	Type Mod Crew Surv	<b>lification:</b> O vivability	perational,	Reliability, S	Safety,	Related RI	DT&E PEs:			
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 (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	190.940	11.670	6.06	6.105	-	6.105	6.073	6.318	6.335	6.411	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	190.940	11.670	6.06	6.105	-	6.105	6.073	6.318	6.335	6.411	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	190.940	11,670	6.06	6.105	_	6.105	6.073	6.318	6.335	6.411	Continuing	Continuing

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

#### **Description:**

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

(Units in Thousands)

The M142 HIMARS is a C-130 transportable launcher mounted on a Family of Medium Tactical Vehicles Chassis. The HIMARS is capable of firing either six Multiple Rocket Launcher System Family of Munitions rockets or one Army Tactical Missile System Family of Munitions missile to a range of 300 kilometers.

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<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

Exhibit P-3A, Individual Modification: PB 2014 Army

P-1 Line Item Nomenclature:

Appropriation / Budget Activity / Budget Sub Activity: 2032A: Missile Procurement, Army / BA 03: Modification of

C67501 - HIMARS Modifications

(Modification Number - Modification

- HIMARS MOUNICATIONS

Title): 0000 - HIMARS Modifications

**Modification Nomenclature** 

Date: April 2013

Models of Systems Affected: M142 High Mobility

Missiles / BSA 10: Modifications

**Type Modification:** Operational, Reliability, Safety,

Related RDT&E PEs:

Artillery Rocket System Crew Survivability

				FY 2014	FY 2014	FY 2014					То	
	Prior Years	FY 2012	FY 2013	Base	oco	Total	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
Financial Plan	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M
Procurement												
Enhanced Command and Control (C2)												
A Kits												
Recurring												
Equipment	375 / 37.359	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	375 / 37.35
Subtotal Recurring	375 / 37.359	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	375 / 37.35
Total, Enhanced Command and Control (C2)	375 / 37.359	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	375 / 37.35
Increased Crew Protection (ICP) Cab												
A Kits												
Recurring												
Kit Quantity	222 / 65.102	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	222 / 65.10
Subtotal Recurring	222 / 65.102	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	222 / 65.10
Total, Increased Crew Protection (ICP) Cab	222 / 65.102	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	222 / 65.10
Reliablity Obsolescence Mitigation (MOD 4)												
A Kits												
Recurring												
Equipment	198 / 83.071	177 / 9.837	- /5.620	- / 5.432	- / -	- /5.432	- / 5.387	- / 6.245	- / 6.335	- / 6.411	- / 204.749	375 / 333.08
Subtotal Recurring	198 / 83.071	177 / 9.837	- /5.620	- /5.432	- / -	- /5.432	- /5.387	- /6.245	- / 6.335	- /6.411	- / 204.749	375 / 333.08
Total, Reliablity Obsolescence Mitigation (MOD 4)	198 / 83.071	177 / 9.837	- /5.620	- /5.432	- / -	- /5.432	- /5.387	- /6.245	- /6.335	- /6.411	- /204.749	375 / 333.08
Total Procurement, All Modifications	795 / 185.532	177 / 9.837	- /5.620	- /5.432	- / -	- /5.432	- /5.387	- /6.245	- /6.335	- /6.411	- /204.749	972 / 435.54
Total Procurement and Support	185.532	9.837	5.620	5.432	-	5.432	5.387	6.245	6.335	6.411	204.749	435.54
Enhanced Command and Control (C2) Installation Cost	0 / 0.000	25 / 0.108	93 / 0.400	127 / 0.546	- / -	127 / 0.546	130 / 0.559	- / -	- / -	- / -	- / -	375 / 1.613
Increased Crew Protection (ICP) Cab Installation Cost	156 / 5.408	66 / 1.725	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	222 / 7.133
Reliablity Obsolescence Mitigation (MOD 4) Installation Cost	0 / 0.000	- / -	48 / 0.048	127 / 0.127	- / -	127 / 0.127	127 / 0.127	73 / 0.073	- / -	- / -	- / -	375 / 0.37
Total Installation Cost	156 / 5.408	91 / 1.833	141 / 0.448	254 / 0.673	- / -	254 / 0.673	257 / 0.686	73 / 0.073	- / -	- / -	- / -	972 / 9.12
Total Cost (Procurement + Support + Installation)	190.940	11.670	6.068	6.105	-	6.105	6.073	6.318	6.335	6.411	204.749	444.669

LI C67501 - HIMARS Modifications Army

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P-1 Line #15

Exhibit P-3A, Indi	vidual Modific	ation: PB 2	2014 Army							Date: A	pril 2013		
Appropriation / Bu 2032A: Missile Pro Missiles / BSA 10:	curement, Arm				<b>1 Line Item</b> 67501 - HIMA					(Modific	cation Nome cation Numb HIMARS Mo	oer - Modific	eation
Models of System Artillery Rocket Sys		142 High M	obility	Type Mo Crew Sur		perationa	al, Reliability,	Safety,	Related R	DT&E PEs:	:		
Manufacturer Informat	tion: Enhanced C	ommand and	Control (C2)										
Manufacturer Name: TD	В					Ma	nufacturer Locati	on: TDB					
Administrative Leadtime	e (in Months): 3					Pro	duction Leadtime	e (in Months):	9				
Dates	FY 20°	12	FY 2013	В	FY 2014		FY 2015		FY 2016	F	Y 2017	FY	2018
Contract Dates													
Delivery Dates													
	,	•		•		,				,			
Installation: Enhanced	Command and Co	ontrol (C2)		Method of	Implementation	n: TDB			Installation I	Name:			
		Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Installation Cost		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M	Qty (Each) / Total Cost (\$ M )	Qty (Each) Total Cost (\$		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
All Prior Years		0 / 0.000	25 / 0.108	93 / 0.40	00 127 / 0.546	- /	- 127 / 0.546	130 / 0.559	- /0.000	- / 0.000	- / 0.000	- /0.000	375 / 1.613
FY 2012		0 / 0.000	- / -	- / -	- / -	- /	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013		0 / 0.000	- / -	- / -	- / -	- /		- / -	- / -	- / -	- / -	- / -	- / -
FY 2014		0 / 0.000	- / -	- / -	- / -	- /	/ -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015		0 / 0 000	- / -	- / -	- / -	- /	-   - / -	- / -	- / -	- / -	- / -	- / -	- / -

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		FY 2012 FY 2013 FY 2014												FY 2	2015			FY 2	2016			FY 2	2017			FY 2	2018				
	APY	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	тс	Tot
In	375	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	375
Out	-	-	-	-	25	19	19	19	36	19	38	38	32	19	38	38	35	-	-	-	-	-	-	-	-	-	-	-	-	-	375

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LI C67501 - HIMARS Modifications Page 5 of 7 P-1 Line #15 Army

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Exhibit P-3A, Indiv	idual Modific	ation: PB 2	2014 Army							Date: A	pril 2013		
Appropriation / Bu 2032A: Missile Prod Missiles / BSA 10: N	curement, Arm	_	•	· I	<b>I Line Item</b> 7501 - HIM <i>F</i>					(Modific	ation Nome eation Numb	er - Modific	ation
Models of Systems Artillery Rocket Sys		142 High M	obility	Type Mod Crew Surv		perationa	al, Reliability,	Safety,	Related R	DT&E PEs:			
Manufacturer Informati	on: Increased C	rew Protection	n (ICP) Cab										
Manufacturer Name: TBI	D					Ма	nufacturer Locati	on: TBD					
Administrative Leadtime	(in Months): 3					Pro	oduction Leadtime	e (in Months): 9	)				
Dates	FY 201	12	FY 2013	3	FY 2014		FY 2015		FY 2016	F	Y 2017	FY	2018
Contract Dates	Sep 20	11											
Delivery Dates	Sep 20	11											
Installation: Increased 0	Protection (I	CD) Cab		Method of Ir	mplementation	ı. TRD			Installation N	lamo:			
mistaliation. Increased	Siew i lotection (i	Ci ) Cab		Wethou of h	FY 2014	FY 2014	4 FY 2014		IIIStaliation I	vaille.		То	
		Prior Years	FY 2012	FY 2013	Base	000	Total	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
Installation Cost		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Qty (Each) /		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
All Prior Years		156 / 5.408	66 / 1.725	- / 0.000	- / 0.000	- /	/ 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- /0.000	222 / 7.133
FY 2012		0 / 0.000	- / -	- / -	- / -	- /	/ -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013		0 / 0.000	- / -	- / -	- / -	- /	-   - / -	- / -	- / -	- / -	- / -	- / -	- / -

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In	222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	222
Out	156	38	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	222

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Exhibit P-3A, Indiv	vidual Modification: F	PB 2014 Army				Date: April 2013	
	udget Activity / Budge curement, Army / BA 0 Modifications	•	P-1 Line Item No C67501 - HIMAR			Modification Nome (Modification Number Title): 0000 - HIMARS Mod	er - Modification
Models of System Artillery Rocket Sys	s Affected: M142 Hig stem	•	/pe Modification: Operew Survivability	rational, Reliability, Safe	y, Related	RDT&E PEs:	
Manufacturer Informat	ion: Reliablity Obsolescer	ce Mitigation (MOD	4)		·		
Manufacturer Name: TB	D			Manufacturer Location: TE	BD		
Administrative Leadtime	(in Months): 3			Production Leadtime (in M	fonths): 9		
Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	May 2012						
Delivery Dates	Feb 2013						

Installation: Reliablity Obsole	escence Mitigation (MOD 4	)	Method of Im	plementation	: TBD			Installation N	lame:			
	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Installation Cost	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M )	Qty (Each) / Total Cost (\$ M)						
All Prior Years	0 / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- /0.000	- / 0.000
FY 2012	0 / 0.000	- / -	48 / 0.048	127 / 0.127	- / -	127 / 0.127	127 / 0.127	73 / 0.073	- / -	- / -	- / -	375 / 0.375
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	48 / 0.048	127 / 0.127	- / -	127 / 0.127	127 / 0.127	73 / 0.073	- / -	- / -	- / -	375 / 0.375

#### Installation Schedule

			<b>0</b> 00u																													
			FY 2012 FY 2013									FY 2	014			FY 2	2015			FY 2	2016		FY 2017					FY 2	2018			
		APY	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	TC	Tot
	ln	75	30	31	31	31	44	44	44	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	375
ſ	Out	-	-	-	-	-	-	19	19	10	19	38	38	32	19	38	38	32	38	35	-	-	-	-	-	-	-	-	-	-	-	375

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LI C67501 - HIMARS Modifications Page 7 of 7 P-1 Line #15 Army

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army

Date: April 2013

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 04: Spares and Repair Parts / BSA 10:

CA0250 - Spares And Repair Parts

Spares And Repair Parts

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

Program Elements for Code B Items:

Other Related Program Elements:

MDAP/MAIS Code(s):

	Prior			FY 2014	F1 2014	FY 2014					То	
Resource Summary	Years	FY 2012	FY 2013 <sup>#</sup>	Base	OCO##	Total	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	282.153	6.960	7.864	11.222	-	11.222	11.334	11.936	11.457	13.158	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	282.153	6.960	7.864	11.222	-	11.222	11.334	11.936	11.457	13.158	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	282.153	6.960	7.864	11.222	-	11.222	11.334	11.936	11.457	13.158	Continuing	Continuing
	(The following	g Resource Sum	mary rows are fo	or informational p	urposes only. Ti	he corresponding	g budget request	s are documente	ed elsewhere.)		•	
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

TV 2014 EV 2014

## **Description:**

Provides for the procurement of spares to support initial fielding of new or modified end items.

Second	dary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	6.416	7.864	11.222	-	11.222	11.334	11.936	11.457	13.158
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.544		-	-	-	-	-		-

Item Sch	edule		P	rior Year	's		FY 2012	!		FY 2013		FY	2014 Ba	ise	FY	2014 O	co	FY	2014 To	tal
Item Nomenclature*	Exhibits	ID CD	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost (\$ M)
MLRS MODIFICATION INITIAL SPARES	P40A		-	-	-	-	-	1.031	-	-	1.064	-	-	1.083	-	-	-	-	-	1.083
PATRIOT MODIFICATION INITIAL SPARES	P40A		-	-	-	-	-	4.992	-	-	6.800	-	-	10.139	-	-	-	-	-	10.139

LI CA0250 - Spares And Repair Parts Army

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P-1 Line #16

<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

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army Date: April 2013 Appropriation / Budget Activity / Budget Sub Activity: P-1 Line Item Nomenclature: 2032A: Missile Procurement, Army / BA 04: Spares and Repair Parts / BSA 10: CA0250 - Spares And Repair Parts Spares And Repair Parts

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

**Program Elements for Code B Items:** 

**Other Related Program Elements:** 

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

Item Sche	dule		Р	rior Year	rs		FY 2012			FY 2013		FY	2014 Ba	ise	F۱	2014 O	co	FY	2014 To	tal
Item Nomenclature*	Exhibits	ID CD	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost
INITIAL SPARES, HIMARS	P40A		-	-	-	-	-	0.937	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost					282.153			6.960			7.864			11.222			-			11.222
Item Sche	dule			FY 2015			FY 2016			FY 2017			FY 2018		To	Comple	te		Total	
Item Nomenclature*	Exhibits	ID CD	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost
MLRS MODIFICATION INITIAL SPARES	P40A		-	-	-	-	-	-	-	-	-	-	-	-		Continuing	,		Continuing	
PATRIOT MODIFICATION INITIAL SPARES	P40A		-	-	-	-	-	-	-	-	-	-	-	-		Continuing			Continuing	
INITIAL SPARES, HIMARS	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost					11.334			11.936			11.457			13.158		Continuing			Continuing	

<sup>\*</sup>Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P48 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

### Justification:

FY 14 Base procurement dollars in the amount of \$11.222 million support the acquisition of MLRS Modification and Patriot Modification initial spares. The funds in this account procure depot level reparable (DLR) secondary items from the Supply Management, Army, activity of the Army Working Capital Fund and commercial life cycle support vendors. To provide initial support, funds are normally required in the same year that end items are fielded.

FY 14 (\$M)

MLRS Mods \$1.083 Patriot Mods \$10.139 Total \$11.222

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

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 05: Support Equipment and Facilities / BSA | C93000 - Air Defense Targets

10: Support Equipment & Facilities ID Code (A=Service Ready, B=Not Service Ready) :

**Program Elements for Code B Items:** 

Other Related Program Elements:

P-1 Line #17

MDAP/MAIS Code(s):

Danassunaa Cumamamu	Prior	EV 2042	EV 2042#	FY 2014	FY 2014 OCO <sup>##</sup>	FY 2014	EV 2045	EV 2046	EV 2047	EV 2040	To	Total
Resource Summary	Years	FY 2012	FY 2013 <sup>#</sup>	Base	UCU	Total	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	412.281	3.674	3.864	3.530	-	3.530	3.629	3.738	3.750	3.965	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	412.281	3.674	3.864	3.530	-	3.530	3.629	3.738	3.750	3.965	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	412.281	3.674	3.864	3.530	-	3.530	3.629	3.738	3.750	3.965	Continuing	Continuing
	(The following	g Resource Sum	mary rows are fo	r informational p	urposes only. Th	ne corresponding	budget request	s are documente	d elsewhere.)		•	
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (Units in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

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

#### **Description:**

The Air Defense Artillery (ADA) Targets program provides target hardware and associated scoring, payload, and ground support equipment that enables Air Defense Artillery Soldiers and units to conduct required training. This training consists of Department of the Army Pamphlet (DA PAM) 350-38 (Standards in Training Commission) required gunnery tables and aerial target tracking, training, and scoring.

Seco	ndary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.674	3.864	3.530	-	3.530	3.629	3.738	3.750	3.965

#### Justification:

LI C93000 - Air Defense Targets

FY 2014 Base procurement dollars in the amount of \$3.530 million support Air Defense Artillery Targets and scoring, payload, and ground support equipment for training required in DA PAM 350-38, Standards in Training Commission (STRAC). These items support gunnery tables, aerial target tracking (Captive Flight Trainer (CFT), and Tracking Head Trainer (THT)) training, Missile Live Fire training when missiles are allocated in accordance with (IAW) the Missile Distribution Plan, and U.S. Army Avenger systems worldwide. Training requirements are generated by Department of the Army Major Field Commands, Training Centers, Division Level Commands, and real world mission rehearsals. These field requirements have been reviewed and validated against ongoing force restructuring and are consistent with the approved training doctrine. These targets are necessary to meet Army Regulation 220-1 (Unit Status Reporting) training requirements, training strategies and gunnery standards, and soldier qualification in support of unit readiness.

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

Exhibit P-40, Budget Item Justification Sho	eet: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget S 2032A: Missile Procurement, Army / BA 05: S		P-1 Line Item N	
10: Support Equipment & Facilities			
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B It	ems:	Other Related Program Elements:
MDAP/MAIS Code(s):			
In accordance with Section 1815 of the FY 2008 Natio defense missions, domestic emergency responses, an	nal Defense Authorization Act (P.L. 110-181), this id providing military support to civil authorities.	item is necessary for	r use by the active and reserve components of the Armed Forces for homeland

LI C93000 - Air Defense Targets Army

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

## Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 05: Support Equipment and Facilities / BSA | CL2000 - Items Less Than \$5.0m (Missiles)

10: Support Equipment & Facilities ID Code (A=Service Ready, B=Not Service Ready) :

**Program Elements for Code B Items:** 

**Other Related Program Elements:** 

MDAP/MAIS Code(s):

	Prior			FY 2014	FY 2014	FY 2014					То	
Resource Summary	Years	FY 2012	FY 2013 <sup>#</sup>	Base	OCO##	Total	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	45.108	1.459	1.560	1.748	-	1.748	2.321	1.868	1.695	2.527	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	45.108	1.459	1.560	1.748	-	1.748	2.321	1.868	1.695	2.527	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	45.108	1.459	1.560	1.748	-	1.748	2.321	1.868	1.695	2.527	Continuing	Continuing
	(The following	Resource Sum	mary rows are fo	or informational p	urposes only. Th	ne corresponding	budget request	s are documente	ed elsewhere.)	•		
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (Units in Thousands)	_	_	_	_	_	_	_	_	_	_	_	_

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

## **Description:**

(Units in Thousands)

Total Gross/Weapon

System Cost

Gross/Weapon System Unit Cost

Provides for the procurement of various tools and shop sets to perform missile maintenance repair tasks on the Army's missile systems worldwide.

45.108

Second	lary Dist	tribution		FY 2012		FY 2013	3	FY 201 Base	-	FY 201 OCO	-	FY 20 <sup>o</sup> Tota		FY 20	15	FY 20	016	FY 2	017	FY 2	2018
Army	Quantity				-		-		-		-		-		-		-		-		-
	Total Obli	gation Authority		1	.459		1.560		1.748		-		1.748		2.321		1.868		1.695		2.527
Ite	em Sched	dule		Р	rior Yea	rs		FY 2012			FY 2013		F	/ 2014 Ba	ise	F۱	2014 O	СО	FY	2014 To	tal
Item Nomence CL2000 - Items Le \$5.0m (Missiles)		Exhibits P5	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M) 45.108	(\$ K)	Qty (Each)	Total Cost (\$ M) 1.459	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M) 1.560	(\$ K)	Qty (Each)	Total Cost (\$ M) 1.748	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M) 1.748

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1.459

1.748

1.560

1.748

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

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army		Date: April 2013
	P-1 Line Item Nomenclature:	
2032A: Missile Procurement, Army / BA 05: Support Equipment and Facilities / BSA	CL2000 - Items Less Than \$5.0m (Missiles	s)
10: Support Equipment & Facilities		

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

Program Elements for Code B Items:

Other Related Program Elements:

### MDAP/MAIS Code(s):

Item Sche	dule			FY 2015			FY 2016			FY 2017			FY 2018		To	Comple	te		Total	
Item Nomenclature*	Exhibits	ID CD	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	<b>Qty</b> (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost (\$ K)	Qty (Each)	Total Cost	Unit Cost (\$ K)	<b>Qty</b> (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost
CL2000 - Items Less Than \$5.0m (Missiles)	P5		-	-	-	-	-	-	-	-	-	-	-	-		Continuing			Continuing	
Total Gross/Weapon System Cost					2.321			1.868			1.695			2.527		Continuing			Continuing	ı

<sup>\*</sup>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.

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

#### Justification:

FY14 Base procurement dollars in the amount of \$1.748 million supports the acquisition of tools and shop sets that support Patriot, Tube-launched, Optically-tracked, Wire-guided (TOW 2A) missile, TOW/ Improved Target Acquisition System (TOW 2B Aero/ITAS) missile, Multiple Launch Rocket System (MLRS), High Mobility Artillery Rocket System (HIMARS), Javelin, and Avenger. The U.S. Army Aviation and Missile Life Cycle Management Command (AMCOM-LCMC) provides material support to U.S. Army combat units. Under the AMCOM-LCMC, the Program Executive Office, Missiles and Space (PEO MS) is required to build new toolkits and shop sets and replenish unserviceable toolkits and shop sets. The U.S. Army grew Brigade Combat Teams (BCTs) from FY07-FY10 and Program Managers (PMs) placed more tool kits into use. This request funds the increase in wholesale stock.

Exhibit P-5, Cost Analysis: PB 2014 Army

Appropriation / Budget Activity / Budget Sub Activity:
2032A: Missile Procurement, Army / BA 05: Support
Equipment and Facilities / BSA 10: Support Equipment & Facilities

P-1 Line Item Nomenclature:
CL2000 - Items Less Than \$5.0m (Missiles)

CL2000 - Items Less Than \$5.0m (Missiles)

	Prior			FY 2014	FY 2014	FY 2014					То	
Resource Summary	Years	FY 2012	FY 2013 <sup>#</sup>	Base	OCO##	Total	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	45.108	1.459	1.560	1.748	-	1.748	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	45.108	1.459	1.560	1.748	-	1.748	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	45.108	1.459	1.560	1.748	-	1.748	-	-	-	-	Continuing	Continuing
	(The following	g Resource Sum	mary rows are fo	or informational p	urposes only. Th	ne corresponding	budget request	s are documente	ed elsewhere.)	,	•	
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost	-	-	-	-	-	-	-	-	-	-	-	-

<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

11101112011000	. 1094	<del>501 11 50 01</del>	abilitioa at o	i idio: dato															
		All Prior Years		FY 2012		FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total				
Cost Elements († indicates the presence of a P-5A)	ID CD	UIIII COSI	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost																			,
Recurring Cost																			
Shop Sets / Tools		-	-	3.192	-	-	1.459	-	-	1.560	-	-	1.748	-	-	-	-	-	1.748
Total Recurring Cost				3.192			1.459			1.560			1.748			-			1.748
Total Flyaway Cost				3.192			1.459			1.560			1.748			-			1.748
Gross Weapon System Cost				45.108			1.459			1.560			1.748			-			1.748

			FY 2015			FY 2016			FY 2017			FY 2018		To Complete			Total Cost		
Cost Elements († indicates the presence of a P-5A)	ID CD	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M )	Unit Cost	Quantity (Each)	Total Cost (\$ M)	Unit Cost	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost			,		•				,										
Recurring Cost																			
Shop Sets / Tools		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			-			-			-			-			-
Total Flyaway Cost				-			-			-			-			-			-
Gross Weapon System Cost				-			-			-			-		Continuing			Continuing	

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Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2032A: Missile Procurement, Army / BA 05: Support Equipment and Facilities / BSA 10: Support Equipment & Facilities	P-1 Line Item Nomenclature: CL2000 - Items Less Than \$5.0m (Missiles)	Item Nomenclature (Item Number - Item Name, DODIC): CL2000 - Items Less Than \$5.0m (Missiles)
D. F. Bomarke:		

#### P-5 Remarks:

Se	condary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.459	1.560	1.748	-	1.748	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature:

2032A: Missile Procurement, Army / BA 05: Support Equipment and Facilities / BSA | CA0100 - Production Base Support

10: Support Equipment & Facilities ID Code (A=Service Ready, B=Not Service Ready) :

**Program Elements for Code B Items:** 

**Other Related Program Elements:** 

MDAP/MAIS Code(s):

	Prior			FY 2014	FY 2014	FY 2014					То	
Resource Summary	Years	FY 2012	FY 2013 <sup>#</sup>	Base	OCO##	Total	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	344.915	5.043	5.200	5.285	-	5.285	5.333	5.364	5.455	5.808	-	382.403
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	344.915	5.043	5.200	5.285	-	5.285	5.333	5.364	5.455	5.808	-	382.403
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	344.915	5.043	5.200	5.285	-	5.285	5.333	5.364	5.455	5.808	-	382.403
	(The following	Resource Sum	mary rows are fo	r informational p	urposes only. Th	he corresponding	budget request	s are documente	ed elsewhere.)			
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Flyaway Unit Cost (Units in Thousands) Gross/Weapon System Unit Cost (Units in Thousands)

## **Description:**

This program provides Production Support and Equipment Replacement (PSR) of Government-owned equipment used in production and production testing of missile systems or missile components.

Secon	ndary Distr	ribution	F	Y 2012	FY 201	3	FY 2014 Base	ı	FY 2014 OCO	FY 20 <sup>2</sup> Total		FY 2015	FY 2016	FY 20	17	FY 2018
Army	Quantity			-		-		-	-		-	-	-		-	-
	Total Oblig	ation Authority		5.043		5.200		5.285	-		5.285	5.333	5.364		5.455	5.80
Pı	roject Sche	dule		Prior `	Years		FY 2012		FY 2013		ı	FY 2014 Base	FY 2014 O	СО	F۱	' 2014 Total
Proje	ect	Exhibits	ID CD	Total (\$ /			Total Cost		Total Cost			Total Cost	Total Cos	t		Total Cost
Production	Support				-			5.043		5.200		5.285		-		5.28
lowa Army Ammunitio	· I				-			2.796		2.879		2.973		-		2.97

<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

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity:	P-1 Line Item Nomenclature:	
2032A: Missile Procurement, Army / BA 05: Support Equipment and Facilities / BSA	CA0100 - Production Base Support	
10: Support Equipment & Facilities		

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

MDAP/MAIS Code(s):

Project Sch	edule		Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Project	Exhibits	ID CD	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M )
PIF for Other (RN08 - Production Base)	P25		-	2.796	2.879	2.973	-	2.973
Redstone Tech Test Center; White Sands Test Center			-	2.247	2.321	2.312	-	2.312
PIF FOR OTHER (RL07 - Test & Evaluation)	P25		-	2.247	2.321	2.312	-	2.312
Total Gross/Weapon System Cost			344.915	5.043	5.200	5.285	-	5.285

\*For the P17 and P25, the Project column displays a three-level indentation: Project Category (e.g., Environmental), followed by the Facility, followed by the Project Name. Exhibits with no Project Category are included under the "Uncategorized" category. For the P26, the Project column displays a two-level indentation: Project Type (e.g., Inactive Plants, Inactive Lines at Contractor Plants and Inactive Lines at Active Plants), followed by the Facility. Note also that although all P17, P25 and P26 projects are shown in the project schedule, not all projects will have a corresponding exhibit. A P17 or P25 exhibit is only included if data beyond the Project Number, Project Title and Cost are included (for example: for the P17, Description, Manufacturer, etc.; for the P25, Narrative Explanation, Cost Elements, Principle Milestones, etc.). A P26 exhibit is only included if data beyond Project Type and Total Cost are included (for example, Description, Contractor, Maintenance/Recurring/Environmental/Other costs, etc.).

#### Justification

FY 14 Base procurement dollars in the amount of \$5.285 million support the establishment, modernization, expansion, or replacement of Army-owned industrial facilities. These funds are essential to sustain the Army's missile warhead production capability to eliminate safety hazards by replacing worn equipment, and to refurbish facilities.

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Exhibit P-25, Production Sup	port and In	dustrial F	acilities Co	ost Analys	sis: PB 20	14 Army			Date: Apı	ril 2013		
Appropriation / Budget Active 2032A: Missile Procurement, A 10: Support Equipment & Facili	rmy / BA 05			and Facilit	ties / BSA		tem Nomenclature Production Base Su	=				
Project Title: PIF for Other (RI	N08 - Produ	ction Base	)			Project No 6XX5333	umber: P	roject Cateo	<b>jory:</b> Prod	duction Sup	port	
End Item Supported Model: N	lissile Warh	neads					A	nnual Capa	city Befo	re / After (	1-8-5): /	
Cost Elements (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total		ne: Iowa Army Ammunitionation: Middletown, IA	on Plant				
A. Construction Cost	0.949	-	0.914	-	0.914	Facility Type	e (GOGO, GOCO, COCO	O): GOCO				
B. Equipment Cost	1.365	2.117	0.625	-	0.625	Principal Mi	lestones			Month & Ye	ar	
C. Equipment Installation Cost	0.414	0.728	0.928	-	0.928		sign Complete:					
D. Contractor Support Cost	0.068	0.034	0.083	-	0.083	Final Design	Complete:			Mar 2014 / N	Apr. 2014	
E. Corps of Engineers Support Cost	-	-	-	-	-	Construction	Project Award: Complete:			Sep 2015	/Iai 2014	
F. Other In-House Support Cost	-	-	-	-	-	Equipment Ir	nstallation Complete:			Sep 2015		
F. Total Facility Project Cost	-	-	-	-	-	Prove Out B				Sep 2015 Sep 2015		
G. Other Costs	-	-	0.423	-	0.423	Prove Out C	ompiete.	Related	Projects	3ep 2013		
Total Project Cost	2.796	2.879	2.973	-	2.973	Project		Neiateu				Compl
					I.	Number	Title	FY & Appn	Value (\$ M )	Facing	Start Date	Date

### **Narrative Explanation:**

FY 14 Base procurement dollars in the amount of \$2.973 million supports numerous efforts at Iowa Ammunition Plant. The project supports replacement of control systems for Line 4B warhead presses that have reached the end of their economic life. This effort will also renovate Building 1-12 to include roof and siding and will repair water and electrical utilities to include the heating, ventilation, and air conditioning (HVAC) systems. It will procure and install a 100-ton, double acting, hydraulic billet press in building 1-19-5 (development). This press will replace a well-worn 300-ton press built in 1951, and will be used primarily for development type work in the pressing of specific warhead billets. Finally, this effort will decontaminate and dispose of excess production equipment/facilities no longer required for missile production. This equipment is explosively contaminated and must be decontaminated before disposal.

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Exhibit P-25, Production Sup	port and In	dustrial Fa	acilities Co	ost Analys	sis: PB 20	14 Army			Date: Apr	il 2013		
<b>Appropriation / Budget Activi</b> 2032A: Missile Procurement, A 10: Support Equipment & Facili	rmy / BA 05		-	and Facilit	ties / BSA		tem Nomenclatu Production Base					
Project Title: PIF FOR OTHEF	R (RL07 - Te	est & Evalu	ation)			Project No 6XXXXXX		Project Cate	gory: Prod	luction Sup	port	
End Item Supported Model: T	esting of Mi	issile Syste	ems			,		Annual Capa	city Befor	e / After (	1-8-5): /	
Cost Elements (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total		ne: Redstone Tech T ation: Huntsville, AL;					
A. Construction Cost	-	-	-	-	-	Facility Type	e (GOGO, GOCO, C	<b>0CO)</b> : GOGO				
B. Equipment Cost	2.247	2.321	2.312	-	2.312	Principal Mi	lestones			Month & Ye	ar	
C. Equipment Installation Cost	-	-	-	-	-		ign Complete:					
D. Contractor Support Cost	-	-	-	-	-	Final Design				Dec 2013 / N	10× 2014	
E. Corps of Engineers Support Cost	-	-	-	-	-	Construction	roject Award: Complete:			Dec 2013 / 1	/iai 2014	
F. Other In-House Support Cost	-	-	-	-	-	Equipment Ir	stallation Complete:			Dec 2014		
F. Total Facility Project Cost	-	-	-	-	-	Prove Out B						
G. Other Costs	-	-	-	-	-	Flove Out C	omplete.	Related	Projects			
Total Project Cost	2.247	2.321	2.312	-	2.312	Project		Neiateu				Compl
					J.	Number	Title	FY & Appn	Value (\$ M )	Facing	Start Date	Date

## **Narrative Explanation:**

FY 14 Base procurement dollars in the amount of \$2.312 million support the following: Procures a Non-Track Digital Instrumentation System (NTDIS), which is a mobile video broadcast van with equipment capable of near real time viewing, recording, processing, and remote network control of high-speed video data collected at missile launch sites (Non-Track refers to video collected from cameras fixed on tripods not optical tracking instruments, NTDIS does not track missiles).