

UNCLASSIFIED

**Department of Defense
Fiscal Year (FY) 2013 President's Budget Submission**

February 2012



Army

Justification Book

Missile Procurement, Army

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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 purposes, \$1,352,342,000 to remain available for obligation until September 30, 2015.

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DEPARTMENT OF THE ARMY
FY 2013 PROCUREMENT PROGRAM (WORKSETS INCLUDED)
President's Budget 2013

EXHIBIT P-1
DATE: 4 -Feb - 2012 8:10

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APPROPRIATION SUMMARY

DOLLARS IN THOUSANDS

APPROPRIATION

Missile Procurement, Army

TOTAL PROCUREMENT PROGRAM

<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2013 OCO</u>	<u>FY2013 Total</u>
1,823,334	1,587,779	1,302,689	49,653	1,352,342
1,823,334	1,587,779	1,302,689	49,653	1,352,342

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APPROPRIATION Missile Procurement, Army

DOLLARS IN THOUSANDS

ACTIVITY	FY2011	FY2012	FY2013	FY2013 OCO	FY2013 Total	PAGE
02 Other missiles	1,636,619	1,468,495	1,076,102	49,653	1,125,755	4
03 Modification of missiles	157,981	100,408	208,099		208,099	5
04 Spares and repair parts	19,458	8,700	7,864		7,864	6
05 Support equipment and facilities	9,276	10,176	10,624		10,624	7
APPROPRIATION TOTALS	1,823,334	1,587,779	1,302,689	49,653	1,352,342	

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APPROPRIATION Missile Procurement, Army		ACTIVITY 02 Other missiles	DOLLARS IN THOUSANDS									
LINE NO	ITEM NOMENCLATURE	ID	FY 2011		FY 2012		FY 2013		FY 2013 OCO		FY 2013 TOTAL	
			QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
<i>Surface-To-Air Missile System</i>												
1	Patriot System Summary (C49100)	A	78	628,422	88	662,231	84	646,590			84	646,590
2	MSE Missile (C53101)					74,953		12,850				12,850
3	Surface-Launched AMRAAM System Summary: (C81001)	A		2,355								
	<i>SUB-ACTIVITY TOTAL</i>			<u>630,777</u>		<u>737,184</u>		<u>659,440</u>				<u>659,440</u>
<i>Air-To-Surface Missile System</i>												
4	Hellfire Sys Summary (C70000)	A	1,473	222,160	907	108,966		1,401	161	29,100	161	30,501
	<i>SUB-ACTIVITY TOTAL</i>			<u>222,160</u>		<u>108,966</u>		<u>1,401</u>		<u>29,100</u>		<u>30,501</u>
<i>Anti-Tank/Assault Missile System</i>												
5	Javelin (AAWS-M) System Summary (CC0007)		715	163,009	710	160,767	400	81,121			400	81,121
6	TOW 2 System Summary (C59300)	A		(88,605)	802	(107,031)	1,403	(84,598)			1,403	(84,598)
	Less: Advance Procurement (PY)					(-48,355)		(-19,886)				(-19,886)
				<u>88,605</u>		<u>58,676</u>		<u>64,712</u>				<u>64,712</u>
7	TOW 2 System Summary (C59300)			48,355		19,886		19,931				19,931
	Advance Procurement (CY)											
8	Guided MLRS Rocket (GMLRS) (C64400)		2,592	264,548	3,204	333,167	1,608	218,679	186	20,553	1,794	239,232
9	MLRS Reduced Range Practice Rockets (RRPR) (C65405)		2,149	15,796	2,370	18,175	2,430	18,767			2,430	18,767
10	High Mobility Artillery Rocket System (HIMARS) (C02901)		44	203,369		31,674		12,051				12,051
	<i>SUB-ACTIVITY TOTAL</i>			<u>783,682</u>		<u>622,345</u>		<u>415,261</u>		<u>20,553</u>		<u>435,814</u>
	ACTIVITY TOTAL			<u>1,636,619</u>		<u>1,468,495</u>		<u>1,076,102</u>		<u>49,653</u>		<u>1,125,755</u>

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APPROPRIATION Missile Procurement, Army

ACTIVITY 03 Modification of missiles

DOLLARS IN THOUSANDS

LINE NO	ITEM NOMENCLATURE	ID	FY 2011		FY 2012		FY 2013		FY 2013 OCO		FY 2013 TOTAL	
			QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
<i>Modifications</i>												
11	Patriot Mods (C50700)			56,849		66,925		199,565				199,565
12	ITAS/TOW Mods (C61700)			53,805		13,577						
13	MLRS Mods (C67500)			8,170		8,236		2,466				2,466
14	HIMARS Modifications (C67501)			39,149		11,670		6,068				6,068
15	HELLFIRE Modifications (C71500)			8								
	<i>SUB-ACTIVITY TOTAL</i>			<u>157,981</u>		<u>100,408</u>		<u>208,099</u>				<u>208,099</u>
	ACTIVITY TOTAL			157,981		100,408		208,099				208,099

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APPROPRIATION Missile Procurement, Army

ACTIVITY 04 Spares and repair parts

DOLLARS IN THOUSANDS

LINE NO	ITEM NOMENCLATURE	ID	FY 2011		FY 2012		FY 2013		FY 2013 OCO		FY 2013 TOTAL	
			QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
	<i>Spares and Repair Parts</i>											
16	Spares And Repair Parts (CA0250)			19,458		8,700		7,864				7,864
	<i>SUB-ACTIVITY TOTAL</i>			<u>19,458</u>		<u>8,700</u>		<u>7,864</u>				<u>7,864</u>
	ACTIVITY TOTAL			19,458		8,700		7,864				7,864

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APPROPRIATION Missile Procurement, Army

ACTIVITY 05 Support equipment and facilities

DOLLARS IN THOUSANDS

LINE NO	ITEM NOMENCLATURE	ID	FY 2011		FY 2012		FY 2013		FY 2013 OCO		FY 2013 TOTAL	
			QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
	<i>Support Equipment and Facilities</i>											
17	Air Defense Targets (C93000)			3,592		3,674		3,864				3,864
18	Items Less Than \$5.0m (Missiles) (CL2000)			1,200		1,459		1,560				1,560
19	Production Base Support (CA0100)			4,484		5,043		5,200				5,200
	<i>SUB-ACTIVITY TOTAL</i>			<u>9,276</u>		<u>10,176</u>		<u>10,624</u>				<u>10,624</u>
	ACTIVITY TOTAL			<u>9,276</u>		<u>10,176</u>		<u>10,624</u>				<u>10,624</u>
APPROPRIATION TOTAL				<u>1,823,334</u>		<u>1,587,779</u>		<u>1,302,689</u>		<u>49,653</u>		<u>1,352,342</u>

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SSN	LINE	PAGE	NOMENCLATURE
C93000	17	7	Air Defense Targets (C93000)
C64400	8	4	Guided MLRS Rocket (GMLRS) (C64400)
C71500	15	5	HELLFIRE Modifications (C71500)
C70000	4	4	Hellfire Sys Summary (C70000)
C02901	10	4	High Mobility Artillery Rocket System (HIMARS) (C02901)
C67501	14	5	HIMARS Modifications (C67501)
C61700	12	5	ITAS/TOW Mods (C61700)
CL2000	18	7	Items Less Than \$5.0m (Missiles) (CL2000)
CC0007	5	4	Javelin (AAWS-M) System Summary (CC0007)
C59300	6	4	Less: Advance Procurement (PY)
C67500	13	5	MLRS Mods (C67500)
C65405	9	4	MLRS Reduced Range Practice Rockets (RRPR) (C65405)
C53101	2	4	MSE Missile (C53101)
C50700	11	5	Patriot Mods (C50700)
C49100	1	4	Patriot System Summary (C49100)
CA0100	19	7	Production Base Support (CA0100)
CA0250	16	6	Spares And Repair Parts (CA0250)
C81001	3	4	Surface-Launched AMRAAM System Summary: (C81001)
C59300	6	4	TOW 2 System Summary (C59300)
C59300	7	4	TOW 2 System Summary (C59300)

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SSN	LINE	PAGE	NOMENCLATURE
C02901	10	4	High Mobility Artillery Rocket System (HIMARS) (C02901)
C49100	1	4	Patriot System Summary (C49100)
C50700	11	5	Patriot Mods (C50700)
C53101	2	4	MSE Missile (C53101)
C59300	6	4	TOW 2 System Summary (C59300)
C59300	6	4	Less: Advance Procurement (PY)
C59300	7	4	TOW 2 System Summary (C59300)
C61700	12	5	ITAS/TOW Mods (C61700)
C64400	8	4	Guided MLRS Rocket (GMLRS) (C64400)
C65405	9	4	MLRS Reduced Range Practice Rockets (RRPR) (C65405)
C67500	13	5	MLRS Mods (C67500)
C67501	14	5	HIMARS Modifications (C67501)
C70000	4	4	Hellfire Sys Summary (C70000)
C71500	15	5	HELLFIRE Modifications (C71500)
C81001	3	4	Surface-Launched AMRAAM System Summary: (C81001)
C93000	17	7	Air Defense Targets (C93000)
CA0100	19	7	Production Base Support (CA0100)
CA0250	16	6	Spares And Repair Parts (CA0250)
CC0007	5	4	Javelin (AAWS-M) System Summary (CC0007)
CL2000	18	7	Items Less Than \$5.0m (Missiles) (CL2000)

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5	02	30	CC0007	Javelin (AAWS-M) System Summary.....	21
6	02	30	C59300	TOW 2 System Summary.....	28 35
7	02	30	C59300	TOW 2 System Summary.....	28 35
8	02	30	C64400	Guided MLRS Rocket (GMLRS).....	39
9	02	30	C65405	MLRS Reduced Range Practice Rockets (RRPR).....	48
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13	03	10	C67500	MLRS Mods.....	83
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15	03	10	C71500	HELLFIRE Modifications.....	115

Appropriation 2032A: Missile Procurement, Army

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19	05	10	CA0100	Production Base Support.....	125

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HELLFIRE Modifications	C71500	15	03	10.....	115
HIMARS Modifications	C67501	14	03	10.....	105
Hellfire Sys Summary	C70000	4	02	20.....	14
High Mobility Artillery Rocket System (HIMARS)	C02901	10	02	30.....	56
ITAS/TOW Mods	C61700	12	03	10.....	82
Items Less Than \$5.0m (Missiles)	CL2000	18	05	10.....	122
Javelin (AAWS-M) System Summary	CC0007	5	02	30.....	21
MLRS Mods	C67500	13	03	10.....	83
MLRS Reduced Range Practice Rockets (RRPR)	C65405	9	02	30.....	48
MSE Missile	C53101	2	02	10.....	9
Patriot Mods	C50700	11	03	10.....	64
Patriot System Summary	C49100	1	02	10.....	1
Production Base Support	CA0100	19	05	10.....	125
Spares And Repair Parts	CA0250	16	04	10.....	116
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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity:
2032A : Missile Procurement, Army / BA 2 : Other Missiles / BSA 10 : Surface-To-Air Missile System

P-1 Line Item Nomenclature:
C49100 - Patriot System Summary

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

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	78	88	84	-	84	-	-	-	-	0	250
Gross/Weapon System Cost (\$ in Millions)	13,310.397	628.422	662.231	646.590	-	646.590	-	-	-	-	0.000	15,247.640
Less PY Advance Procurement (\$ in Millions)	123.343	-	-	-	-	-	-	-	-	-	0.000	123.343
Net Procurement (P1) (\$ in Millions)	13,187.054	628.422	662.231	646.590	-	646.590	-	-	-	-	0.000	15,124.297
Plus CY Advance Procurement (\$ in Millions)	123.343	-	-	-	-	-	-	-	-	-	0.000	123.343
Total Obligation Authority (\$ in Millions)	13,310.397	628.422	662.231	646.590	-	646.590	-	-	-	-	0.000	15,247.640

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

Initial Spares (\$ in Millions)	178.406	6.953	6.732	6.800	-	6.800	-	-	-	-	0.000	198.891
Flyaway Unit Cost (\$ in Thousands)	-	81.446	7.302	7.778	-	7.778	-	-	-	-	0.000	96.526
Gross/Weapon System Unit Cost (\$ in Thousands)	-	8,056.692	7,525.352	7,697.500	-	7,697.500	-	-	-	-	0.000	60.991

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 of theater operations. 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, will increase Patriot's effectiveness, survivability, flexibility of defense design, footprint, and detection of smaller low radar cross section targets.

Secondary Distribution		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active	Quantity	78	88	84	-	84
	Total Obligation Authority	628.422	662.231	646.590	-	646.590

Item Schedule	Exhibits	ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
C49200 - PATRIOT PAC-3	P5, P5A, P21	A	-	-	-	8,056.692	78	628.422	7,525.352	88	662.231	7,697.500	84	646.590	-	-	-	7,697.500	84	646.590
Total Gross/Weapon System Cost					13,310.397			628.422			662.231			646.590			-			646.590

*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.

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A : Missile Procurement, Army / BA 2 : Other Missiles / BSA 10 : Surface-To-Air Missile System		P-1 Line Item Nomenclature: C49100 - Patriot System Summary
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

Justification:

FY 2013 base procurement dollars in the amount \$646.590 million supports the procurement of 84 PAC-3 missiles and 38 Enhanced Launcher Electronic Systems (ELES).

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Exhibit P-5, Cost Analysis: PB 2013 Army															Date: February 2012							
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 10					MDAP Code: 148			P-1 Line Item Nomenclature: C49100 - Patriot System Summary					Item Nomenclature (Item Number, Item Name, DODIC): C49200 - PATRIOT PAC-3									
Resource Summary					Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Procurement Quantity (Each)					-			78			88			84			-			84		
Gross/Weapon System Cost (\$ in Millions)					-			628.422			662.231			646.590			-			646.590		
Less PY Advance Procurement (\$ in Millions)					-			-			-			-			-			-		
Net Procurement (P1) (\$ in Millions)					-			628.422			662.231			646.590			-			646.590		
Plus CY Advance Procurement (\$ in Millions)					-			-			-			-			-			-		
Total Obligation Authority (\$ in Millions)					-			628.422			662.231			646.590			-			646.590		
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																						
Initial Spares (\$ in Millions)					-			6.953			6.732			6.800			-			6.800		
Gross/Weapon System Unit Cost (\$ in Thousands)					-			8,056.692			7,525.352			7,697.500			-			7,697.500		
Cost Elements († indicates the presence of a P-5A)	ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total					
		Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)			
Flyaway Cost																						
Recurring Cost																						
† Missile Hardware - Recurring		-	-	-	3,149.000	78	245.611	3,434.000	88	302.200	3,846.000	84	323.100	-	-	0.000	3,846.000	84	323.100			
Field Surveillance		-	-	-	-	-	18.264	-	-	29.999	-	-	30.000	-	-	0.000	-	-	30.000			
PAC-3 Missile Support Center (P3MSC)		-	-	-	-	-	47.877	-	-	37.458	-	-	16.400	-	-	0.000	-	-	16.400			
Obsolescence		-	-	-	-	-	24.200	-	-	31.989	-	-	20.000	-	-	0.000	-	-	20.000			
Enhanced Launcher Electronic System		-	-	-	4,104.000	40	164.160	3,822.000	36	137.592	3,295.000	38	125.200	-	-	0.000	3,295.000	38	125.200			
Limited User Testing		-	-	-	-	-	25.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000			
Contractor Engineering		-	-	-	-	-	43.312	-	-	51.657	-	-	54.634	-	-	0.000	-	-	54.634			
Government/Software Engineering		-	-	-	-	-	21.500	-	-	25.828	-	-	29.130	-	-	0.000	-	-	29.130			
Sys Engrg/Proj Mgmt (SEPM)		-	-	-	-	-	14.998	-	-	18.449	-	-	19.511	-	-	0.000	-	-	19.511			
Integrated Logistics Support		-	-	-	-	-	13.600	-	-	15.989	-	-	16.909	-	-	0.000	-	-	16.909			
Depot Maint Plant Equipment (DMPE)		-	-	-	-	-	1.100	-	-	1.230	-	-	1.301	-	-	0.000	-	-	1.301			
Fielding		-	-	-	-	-	8.800	-	-	9.840	-	-	10.405	-	-	0.000	-	-	10.405			
Total Recurring Cost							628.422			662.231			646.590			0.000			646.590			
Total Flyaway Cost							628.422			662.231			646.590			0.000			646.590			
Gross Weapon System Cost							628.422			662.231			646.590			-			646.590			

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Exhibit P-5, Cost Analysis: PB 2013 Army			Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 10		MDAP Code: 148	P-1 Line Item Nomenclature: C49100 - Patriot System Summary		Item Nomenclature (Item Number, Item Name, DODIC): C49200 - PATRIOT PAC-3

Remarks:						
Secondary Distribution		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active	Quantity	78	88	84	-	84
	Total Obligation Authority	628.422	662.231	646.590	-	646.590

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 10	P-1 Line Item Nomenclature: C49100 - Patriot System Summary	Item Nomenclature: C49200 - PATRIOT PAC-3
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$ K)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†Missile Hardware - Recurring		2011	LMMFC / Dallas, TX	SS / FFP	AMCOM	Dec 2010	Aug 2012	78	3,149.000	N		Mar 2010
†Missile Hardware - Recurring		2012	LMMFC / Dallas, TX	SS / FFP	AMCOM	Dec 2011	Aug 2013	88	3,434.000	N		Mar 2011
†Missile Hardware - Recurring		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

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Exhibit P-21, Budget Production Schedule: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 10 **P-1 Line Item Nomenclature:** C49100 - Patriot System Summary **Item Nomenclature:** C49200 - PATRIOT PAC-3

COST ELEMENTS Units in Each							Fiscal Year 2012											Fiscal Year 2013																				
O C O	MFR Ref #	FY	SERVICE [±]	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2012											Calendar Year 2013																				
							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							
Missile Hardware - Recurring																																						
	1	2011	ARMY	78	0	78	-	-	-	-	-	-	-	-	-	-	20	20	24	12	-	2																
	1	2011	♦ FMS	224	0	224	-	-	-	-	-	-	-	-	-	-	-	-	-	12	24	24																
	1	2011	TOTAL	302	0	302	-	-	-	-	-	-	-	-	-	20	20	24	24	24	26																	
	1	2012	ARMY	88	0	88	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	20	48								
	1	2012	♦ FMS	154	0	154	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	154								
	1	2012	TOTAL	242	0	242	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	20	202								
	1	2013	ARMY ⁽¹⁾	84	0	84	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	84								
	1	2013	♦ FMS ⁽²⁾	40	0	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40								
	1	2013	TOTAL	124	0	124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	124								
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								

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Exhibit P-21, Budget Production Schedule: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 10 **P-1 Line Item Nomenclature:** C49100 - Patriot System Summary **Item Nomenclature:** C49200 - PATRIOT PAC-3

COST ELEMENTS Units in Each							Fiscal Year 2014										Fiscal Year 2015													
O C O	MFR Ref #	FY	SERVICE [±]	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2014										Calendar Year 2015													
							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
Missile Hardware - Recurring																														
1	2011	ARMY	78	78	0																									
1	2011	♦ FMS	224	224	0																									
1	2011	TOTAL	302	302	0																									
1	2012	ARMY	88	40	48	20	22	4	-	2																				
1	2012	♦ FMS	154	0	154	-	-	14	20	20																				
1	2012	TOTAL	242	40	202	20	22	18	20	22																				
1	2013	ARMY ⁽¹⁾	84	0	84	-	-	-	-	-	-	-	-	-	6	8	8	8	4	4	8	8	8	8	8	8	6			
1	2013	♦ FMS ⁽²⁾	40	0	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	12	8	12				
1	2013	TOTAL	124	0	124	-	-	-	-	-	-	-	-	-	6	8	8	8	4	4	8	8	16	20	16	18				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

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Exhibit P-21, Budget Production Schedule: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 10	P-1 Line Item Nomenclature: C49100 - Patriot System Summary	Item Nomenclature: C49200 - PATRIOT PAC-3

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEADTIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	LMMFC - Dallas, TX	72	240	360	19	2	23	25	9	3	22	25

Remarks:
 FY11 128=UAE FMS Case (128 PAC-3 Missiles) FY11 96=Taiwan FMS Case (96 PAC-3 Missiles) FY12 154=Taiwan FMS Case (154 PAC-3 Missiles) FY13 40=Taiwan FMS Case (40 PAC-3 Missiles)
 ‡ Delivery rows marked with the ♦ symbol indicate that they are funded through a separate Line Item. Additionally, deliveries for such components are not shown in this exhibit if they occur after the last delivery for the budgeting component. See the respective components' exhibits for details, including the full delivery schedule.
 (1)BASE
 (2)BASE

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity:
2032A : Missile Procurement, Army / BA 2 : Other Missiles / BSA 10 : Surface-To-Air Missile System

P-1 Line Item Nomenclature:
C53101 - MSE Missile

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0604865A, 0603869A, 0604869A, 0605456A **Other Related Program Elements:**

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	56	72	80	82	1,390	1,680
Gross/Weapon System Cost (\$ in Millions)	-	-	74.953	12.850	-	12.850	538.610	505.084	596.387	566.757	6,819.684	9,114.325
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	74.953	12.850	-	12.850	538.610	505.084	596.387	566.757	6,819.684	9,114.325
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	74.953	12.850	-	12.850	538.610	505.084	596.387	566.757	6,819.684	9,114.325

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	9,618.036	7,015.056	7,454.838	6,911.671	4,906.247	5.425

Description:

The Missile Segment Enhancement (MSE) missile evolves from the PAC-3 (Patriot Advanced Capability 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.

Secondary Distribution		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active	Quantity	-	-	-	-	-
	Total Obligation Authority	-	74.953	12.850	-	12.850

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
C53101 - MSE Missile	P5		-	-	-	-	-	-	-	-	74.953	-	-	12.850	-	-	-	-	-	12.850
Total Gross/Weapon System Cost											74.953			12.850						12.850

*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.

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A : Missile Procurement, Army / BA 2 : Other Missiles / BSA 10 : Surface-To-Air Missile System		P-1 Line Item Nomenclature: C53101 - MSE Missile
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0604865A, 0603869A, 0604869A, 0605456A	Other Related Program Elements:

Justification:
The FY 2013 Base procurement dollars in the amount of \$12.850 million supports initial production facilitization/training devices.

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Exhibit P-5, Cost Analysis: PB 2013 Army			Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 10		MDAP Code: 531	P-1 Line Item Nomenclature: C53101 - MSE Missile			Item Nomenclature (Item Number, Item Name, DODIC): C53101 - MSE Missile	

Resource Summary		Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Procurement Quantity (Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		-	-	74.953	12.850	-	12.850
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)		-	-	74.953	12.850	-	12.850
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)		-	-	74.953	12.850	-	12.850

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

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

Cost Elements († indicates the presence of a P-5A)	ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost																			
Recurring Cost																			
Initial Production Facilitization		-	-	-	-	-	0.000	-	-	74.513	-	-	12.397	-	-	0.000	-	-	12.397
Government/Software Engineering		-	-	-	-	-	0.000	-	-	0.440	-	-	0.453	-	-	0.000	-	-	0.453
Total Recurring Cost				0.000			0.000			74.953			12.850			0.000			12.850
Total Flyaway Cost				0.000			0.000			74.953			12.850			0.000			12.850
Gross Weapon System Cost				-			-			74.953			12.850			-			12.850

Remarks:

Secondary Distribution		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active	Quantity	-	-	-	-	-
	Total Obligation Authority	-	74.953	12.850	-	12.850

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity:
2032A : Missile Procurement, Army / BA 2 : Other Missiles / BSA 10 : Surface-To-Air Missile System

P-1 Line Item Nomenclature:
C81001 - Surface-Launched AMRAAM System Summary:

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0604802A, 0605455A, 0214400A

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	70.609	2.355	-	-	-	-	-	-	-	-	0.000	72.964
Less PY Advance Procurement (\$ in Millions)	40.349	-	-	-	-	-	-	-	-	-	0.000	40.349
Net Procurement (P1) (\$ in Millions)	30.260	2.355	-	-	-	-	-	-	-	-	0.000	32.615
Plus CY Advance Procurement (\$ in Millions)	40.349	-	-	-	-	-	-	-	-	-	0.000	40.349
Total Obligation Authority (\$ in Millions)	70.609	2.355	-	-	-	-	-	-	-	-	0.000	72.964

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

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

Description:

Surface Launched Advanced Medium Range Air-To-Air Missile (SLAMRAAM) is an air defense system included in the Army Integrated Air & Missile Defense (IAMD) architecture. SLAMRAAM consists of launcher platforms employing the proven AIM-120-C7 Advanced Medium Range Air-to-Air Missile (AMRAAM); Integrated Fire Control Station (IFCS) command, control, and communications platforms; and Improved Sentinel Radars. SLAMRAAM is a day or night, adverse weather, non-line-of-sight system that counters cruise missiles (CM), unmanned aerial vehicle (UAV), fixed wing and rotary wing threats. SLAMRAAM is mobile and armored which allows it to operate in various combat situations to protect maneuver forces and strategic assets.

The Army's Air and Missile Defense (AMD) portfolio assessment of the cost-effectiveness of SLAMRAAM capabilities versus competing priorities for capability investments within the AMD portfolio led to an Army recommendation to conduct an orderly conclusion of the SLAMRAAM program.

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
C81002 - Surface-Launched AMRAAM Launcher	P5		-	-	-	-	-	2.355	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost					70.609			2.355			-			-			-			-

*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.

Justification:

There is no funding in FY 2013.

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Exhibit P-5, Cost Analysis: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 10	P-1 Line Item Nomenclature: C81001 - Surface-Launched AMRAAM System Summary:	Item Nomenclature (Item Number, Item Name, DODIC): C81002 - Surface-Launched AMRAAM Launcher

Resource Summary		Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Procurement Quantity (Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		-	2.355	-	-	-	-
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)		-	2.355	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)		-	2.355	-	-	-	-

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

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

Cost Elements († indicates the presence of a P-5A)	ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost																			
Recurring Cost																			
TERMINATED SLAMRAAM		-	-	-	-	-	2.355	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Total Recurring Cost				0.000			2.355			0.000			0.000			0.000			0.000
Total Flyaway Cost				0.000			2.355			0.000			0.000			0.000			0.000
Gross Weapon System Cost				-			2.355			-			-			-			-

Remarks:

Secondary Distribution		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active	Quantity	-	-	-	-	-
	Total Obligation Authority	2.355	-	-	-	-

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A : Missile Procurement, Army / BA 2 : Other Missiles / BSA 20 : Air-To-Surface Missile System **P-1 Line Item Nomenclature:** C70000 - Hellfire Sys Summary

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0203802A, 0210109A

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	2,106	907	-	161	161	-	419	460	460	0	4,513
Gross/Weapon System Cost (\$ in Millions)	5,341.279	222.160	108.966	1.401	29.100	30.501	1.336	87.506	89.257	90.998	0.000	5,972.003
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	5,341.279	222.160	108.966	1.401	29.100	30.501	1.336	87.506	89.257	90.998	0.000	5,972.003
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	5,341.279	222.160	108.966	1.401	29.100	30.501	1.336	87.506	89.257	90.998	0.000	5,972.003
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	5.700	-	-	-	-	-	-	-	-	-	0.000	5.700
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	105.489	120.139	-	180.745	189.447	-	208.845	194.037	197.822	0.000	1.323

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 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 UAS and rotary wing platforms.

Secondary Distribution		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active	Quantity	2,106	907	-	161	161
	Total Obligation Authority	222.160	108.966	1.401	29.100	30.501

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
C70100 - LASER HELLFIRE MSL (BASIC/IHW/HFII)	P5, P5A, P21		-	-	-	105.489	2,106	222.160	120.139	907	108.966	-	-	1.401	180.745	161	29.100	189.447	161	30.501
Total Gross/Weapon System Cost					5,341.279			222.160			108.966			1.401			29.100			30.501

*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.

Justification:

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A : Missile Procurement, Army / BA 2 : Other Missiles / BSA 20 : Air-To-Surface Missile System		P-1 Line Item Nomenclature: C70000 - Hellfire Sys Summary
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0203802A, 0210109A
<p>FY2013 Base procurement dollars in the amount of \$1.401 million provides government program management for HELLFIRE II missiles. FY2013 OCO procurement dollars in the amount of \$29.100 million procures 161 Hellfire II AGM-114R missiles. Procurement of missiles are to replace missiles expended in combat operations.</p> <p>The Army intends to convert any price advantage created through contract negotiations, other service procurement, and/or foreign military sales to increase the Army procurement of Hellfire missiles.</p>		

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Exhibit P-5, Cost Analysis: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 20	P-1 Line Item Nomenclature: C70000 - Hellfire Sys Summary	Item Nomenclature (Item Number, Item Name, DODIC): C70100 - LASER HELLFIRE MSL (BASIC/IHW/HFII)

Resource Summary		Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Procurement Quantity (Each)		-	2,106	907	-	161	161
Gross/Weapon System Cost (\$ in Millions)		-	222.160	108.966	1.401	29.100	30.501
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)		-	222.160	108.966	1.401	29.100	30.501
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)		-	222.160	108.966	1.401	29.100	30.501

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

Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)		-	105.489	120.139	-	180.745	189.447

Cost Elements († indicates the presence of a P-5A)	ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost																			
Recurring Cost																			
† All-up Rounds		-	-	-	83.595	2,106	176.052	94.407	907	85.627	-	-	0.000	100.547	161	16.188	100.547	161	16.188
Engineering Services		-	-	-	-	-	3.492	-	-	3.660	-	-	0.000	-	-	1.474	-	-	1.474
Fielding		-	-	-	-	-	3.078	-	-	1.445	-	-	0.000	-	-	0.256	-	-	0.256
Acceptance Testing		-	-	-	-	-	0.575	-	-	0.255	-	-	0.000	-	-	0.045	-	-	0.045
Project Mgt Admin		-	-	-	-	-	10.151	-	-	6.701	-	-	1.401	-	-	1.994	-	-	3.395
Production Engineering Support		-	-	-	-	-	28.812	-	-	11.278	-	-	0.000	-	-	9.143	-	-	9.143
Total Recurring Cost				0.000			222.160			108.966			1.401			29.100			30.501
Total Flyaway Cost				0.000			222.160			108.966			1.401			29.100			30.501
Gross Weapon System Cost				-			222.160			108.966			1.401			29.100			30.501

Remarks:

Secondary Distribution		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active	Quantity	2,106	907	-	161	161
	Total Obligation Authority	222.160	108.966	1.401	29.100	30.501

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 20	P-1 Line Item Nomenclature: C70000 - Hellfire Sys Summary	Item Nomenclature: C70100 - LASER HELLFIRE MSL (BASIC/IHW/HFII)
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$ K)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†All-up Rounds		2011	HELLFIRE Sys Limited Liability / Orlando	C / FFP	AMCOM, Redstone Arsenal, AL	Jul 2011	May 2013	2,106	83.595	N		Mar 2011
†All-up Rounds		2012	HELLFIRE Sys Limited Liability / Orlando	C / FFP	AMCOM, Redstone Arsenal, AL	May 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 funding requirements known at this time. Quantities include United States Air Force procurement of tactical missiles, the United States Navy procurement of tactical missiles, and the United States Army procurement of Hellfire II AGM-114R missiles.

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Exhibit P-21, Budget Production Schedule: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 20		P-1 Line Item Nomenclature: C70000 - Hellfire Sys Summary
		Item Nomenclature: C70100 - LASER HELLFIRE MSL (BASIC/IHW/HFII)

COST ELEMENTS Units in Each							Fiscal Year 2013												Fiscal Year 2014													
O C O	MFR Ref #	FY	SERVICE [±]	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2013												Calendar Year 2014													
							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	
All-up Rounds																																
	1	2011	ARMY	2106	0	2106	-	-	-	-	-	-	-	-	216	201	196	191	186	181	170	165	160	155	150	135						
	1	2011	♦ NAVY	1108	0	1108	-	-	-	-	-	-	-	-	132	117	112	107	102	97	87	83	78	73	68	52						
	1	2011	♦ AF	927	0	927	-	-	-	-	-	-	-	-	117	102	97	92	87	82	72	67	62	58	53	38						
	1	2011	TOTAL	4141	0	4141	-	-	-	-	-	-	-	-	465	420	405	390	375	360	329	315	300	286	271	225						
	1	2012	ARMY	907	0	907	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76	76	76	76	75	528
	1	2012	♦ NAVY	266	0	266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	22	23	22	22	154
	1	2012	♦ AF	562	0	562	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	47	47	47	47	327
	1	2012	TOTAL	1735	0	1735	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	146	145	146	145	144	1009
✓	1	2013	ARMY ⁽¹⁾	161	0	161	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	161
✓	1	2013	♦ NAVY ⁽²⁾	1250	0	1250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1250
✓	1	2013	♦ AF ⁽³⁾	785	0	785	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	785
#	1	2013	TOTAL	2196	0	2196	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2196
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

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Exhibit P-21, Budget Production Schedule: PB 2013 Army															Date: February 2012														
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 20										P-1 Line Item Nomenclature: C70000 - Hellfire Sys Summary										Item Nomenclature: C70100 - LASER HELLFIRE MSL (BASIC/IHW/HFII)									

COST ELEMENTS Units in Each							Fiscal Year 2015													Fiscal Year 2016											
O C O	MFR Ref #	FY	SERVICE [±]	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2015													Calendar Year 2016											
							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
All-up Rounds																															
	1	2011	ARMY	2106	2106	0																									
	1	2011	♦ NAVY	1108	1108	0																									
	1	2011	♦ AF	927	927	0																									
	1	2011	TOTAL	4141	4141	0																									
	1	2012	ARMY	907	379	528	75	75	76	76	75	76	75																		
	1	2012	♦ NAVY	266	112	154	22	22	22	22	22	22	22																		
	1	2012	♦ AF	562	235	327	46	47	46	47	47	47	47																		
	1	2012	TOTAL	1735	726	1009	143	144	144	145	144	145	144																		
✓	1	2013	ARMY ⁽¹⁾	161	0	161	-	-	-	-	-	-	-	15	15	14	13	13	13	13	13	13	13	13	13	13	13	13	13		
✓	1	2013	♦ NAVY ⁽²⁾	1250	0	1250	-	-	-	-	-	-	-	105	105	105	105	105	105	104	104	105	106	106	106	95					
✓	1	2013	♦ AF ⁽³⁾	785	0	785	-	-	-	-	-	-	-	65	65	65	65	65	65	63	63	65	68	68	68						
#	1	2013	TOTAL	2196	0	2196	-	-	-	-	-	-	-	185	185	184	183	183	183	180	180	183	187	187	176						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Budget Production Schedule: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 20	P-1 Line Item Nomenclature: C70000 - Hellfire Sys Summary	Item Nomenclature: C70100 - LASER HELLFIRE MSL (BASIC/IHW/HFII)

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEADTIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	HELLFIRE Sys Limited Liability - Orlando	100	340	600	6	3	24	27	5	3	24	27

Remarks:
 ‡ Delivery rows marked with the ♦ symbol indicate that they are funded through a separate Line Item. Additionally, deliveries for such components are not shown in this exhibit if they occur after the last delivery for the budgeting component. See the respective components' exhibits for details, including the full delivery schedule.
 (1)BASE
 (2)BASE
 (3)BASE

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity:
2032A : Missile Procurement, Army / BA 2 : Other Missiles / BSA 30 : Anti-Tank/
Assault Missile Sys

P-1 Line Item Nomenclature:
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

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	715	710	400	-	400	449	597	568	575	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	4,117.597	163.009	160.767	81.121	-	81.121	90.877	115.812	113.214	116.285	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	100.622	-	-	-	-	-	-	-	-	-	0.000	100.622
Net Procurement (P1) (\$ in Millions)	4,016.975	163.009	160.767	81.121	-	81.121	90.877	115.812	113.214	116.285	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	100.622	-	-	-	-	-	-	-	-	-	0.000	100.622
Total Obligation Authority (\$ in Millions)	4,117.597	163.009	160.767	81.121	-	81.121	90.877	115.812	113.214	116.285	Continuing	Continuing

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

Initial Spares (\$ in Millions)	22.569	-	-	-	-	-	-	-	-	-	0.000	22.569
Flyaway Unit Cost (\$ in Thousands)	0.151	0.229	0.226	0.203	-	0.203	0.202	0.194	0.199	0.202	0.000	1.606
Gross/Weapon System Unit Cost (\$ in Thousands)	-	227.985	226.432	202.803	-	202.803	202.399	193.990	199.320	202.235	Continuing	Continuing

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 obscuration, 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.

Secondary Distribution		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active	Quantity	715	710	400	-	400
	Total Obligation Authority	163.009	160.767	81.121	-	81.121

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity:
 2032A : Missile Procurement, Army / BA 2 : Other Missiles / BSA 30 : Anti-Tank/
 Assault Missile Sys **P-1 Line Item Nomenclature:**
 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

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
H06102 - JAVELIN (AAWS-M)	P5, P5A, P21		-	-	-	227.985	715	163.009	226.432	710	160.767	202.803	400	81.121	-	-	-	202.803	400	81.121
Total Gross/Weapon System Cost					4,117.597			163.009			160.767			81.121			-			81.121

*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.

Justification:
 FY 13 Base procurement dollars in the amount of \$81.121 million supports the procurement of 400 Rounds.
 Estimated unit prices are based on combined U.S. Army, other services and FMS procurements of at least 1,000 missiles per year.

 The P-40 Breakdown Quantity and Net Procurement lines reflect Javelin Missile Rounds only.

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Exhibit P-5, Cost Analysis: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30		P-1 Line Item Nomenclature: CC0007 - Javelin (AAWS-M) System Summary
		Item Nomenclature (Item Number, Item Name, DODIC): H06102 - JAVELIN (AAWS-M)

Resource Summary		Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Procurement Quantity (Each)		-	715	710	400	-	400
Gross/Weapon System Cost (\$ in Millions)		-	163.009	160.767	81.121	-	81.121
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)		-	163.009	160.767	81.121	-	81.121
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)		-	163.009	160.767	81.121	-	81.121

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	227.985	226.432	202.803	-	202.803

Cost Elements († indicates the presence of a P-5A)	ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost																			
Recurring Cost																			
† All Up Round		-	-	-	141.319	715	101.043	145.325	710	103.181	147.535	400	59.014	-	-	0.000	147.535	400	59.014
Engineering Services		-	-	-	-	-	14.935	-	-	15.269	-	-	8.044	-	-	0.000	-	-	8.044
Engineering Change Orders		-	-	-	-	-	0.101	-	-	0.102	-	-	0.059	-	-	0.000	-	-	0.059
Acceptance Testing		-	-	-	-	-	0.777	-	-	0.918	-	-	0.803	-	-	0.000	-	-	0.803
Fielding		-	-	-	-	-	0.016	-	-	0.017	-	-	0.009	-	-	0.000	-	-	0.009
Project Management		-	-	-	-	-	9.385	-	-	10.284	-	-	7.881	-	-	0.000	-	-	7.881
Production Engineering		-	-	-	-	-	6.256	-	-	6.855	-	-	5.254	-	-	0.000	-	-	5.254
Publications/ Technical Data		-	-	-	-	-	0.055	-	-	0.065	-	-	0.057	-	-	0.000	-	-	0.057
CLU Retrofits		-	-	-	78.863	386	30.441	68.398	352	24.076	-	-	0.000	-	-	-	-	-	0.000
Total Recurring Cost				0.000			163.009			160.767			81.121			0.000			81.121
Total Flyaway Cost				0.000			163.009			160.767			81.121			0.000			81.121
Gross Weapon System Cost				-			163.009			160.767			81.121			-			81.121

Remarks:

Secondary Distribution		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active	Quantity	715	710	400	-	400
	Total Obligation Authority	163.009	160.767	81.121	-	81.121

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Army										Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30				P-1 Line Item Nomenclature: CC0007 - Javelin (AAWS-M) System Summary						Item Nomenclature: H06102 - JAVELIN (AAWS-M)		
Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$ K)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†All Up Round		2011	JJV All Up Round / Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal, AL	Jun 2011	Jun 2013	715	141.319	N		
†All Up Round		2012	JJV All Up Round / Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal, AL	Nov 2011	Nov 2013	710	145.325	N		
†All Up Round		2013	JJV All Up Round / Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal, AL	Dec 2012	Dec 2014	400	147.535	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)

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

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Exhibit P-21, Budget Production Schedule: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30 **P-1 Line Item Nomenclature:** CC0007 - Javelin (AAWS-M) System Summary **Item Nomenclature:** H06102 - JAVELIN (AAWS-M)

COST ELEMENTS Units in Each							Fiscal Year 2013													Fiscal Year 2014														
O C O	MFR Ref #	FY	SERVICE [±]	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2013													Calendar Year 2014														
							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			
All Up Round																																		
1	2011	ARMY	715	0	715	-	-	-	-	-	-	-	-	-	110	110	110	110	110	110	110	55												
1	2011	♦ FMS	516	0	516	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25												
1	2011	TOTAL	1231	0	1231	-	-	-	-	-	-	-	-	-	110	110	110	110	110	110	80													
1	2012	ARMY	710	0	710	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50	50	50	41	40	40	110	110	110	59					
1	2012	♦ MC	19	0	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-	-					
1	2012	♦ FMS	372	0	372	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51					
1	2012	TOTAL	1101	0	1101	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50	50	50	41	40	59	110	110	110	110	321				
1	2013	ARMY ⁽¹⁾	400	0	400	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	400					
1	2013	♦ MC ⁽²⁾	172	0	172	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	172					
1	2013	♦ FMS ⁽³⁾	428	0	428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	428					
1	2013	TOTAL	1000	0	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

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Exhibit P-21, Budget Production Schedule: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30 **P-1 Line Item Nomenclature:** CC0007 - Javelin (AAWS-M) System Summary **Item Nomenclature:** H06102 - JAVELIN (AAWS-M)

COST ELEMENTS Units in Each							Fiscal Year 2015												Fiscal Year 2016											
O C O	MFR Ref #	FY	SERVICE [±]	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2015												Calendar Year 2016											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P
All Up Round																														
1	2011	ARMY	715	715	0																									
1	2011	♦ FMS	516	516	0																									
1	2011	TOTAL	1231	1231	0																									
1	2012	ARMY	710	710	0																									
1	2012	♦ MC	19	19	0																									
1	2012	♦ FMS	372	51	321																									
1	2012	TOTAL	1101	780	321																									
1	2013	ARMY ⁽¹⁾	400	0	400	-	-	9	110	110	110	61																		
1	2013	♦ MC ⁽²⁾	172	0	172	-	-	-	-	-	-	49																		
1	2013	♦ FMS ⁽³⁾	428	0	428	-	-	-	-	-	-	-																		
1	2013	TOTAL	1000	0	1000	-	-	9	110	110	110	110																		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

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Exhibit P-21, Budget Production Schedule: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30	P-1 Line Item Nomenclature: CC0007 - Javelin (AAWS-M) System Summary	Item Nomenclature: H06102 - JAVELIN (AAWS-M)

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEADTIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	JJV All Up Round - Tucson AZ Orlando FL	75	540	670	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.
 ‡ Delivery rows marked with the † symbol indicate that they are funded through a separate Line Item. Additionally, deliveries for such components are not shown in this exhibit if they occur after the last delivery for the budgeting component. See the respective components' exhibits for details, including the full delivery schedule.
 (1)BASE
 (2)BASE
 (3)BASE

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity:
2032A : Missile Procurement, Army / BA 2 : Other Missiles / BSA 30 : Anti-Tank/
Assault Missile Sys

P-1 Line Item Nomenclature:
C59300 - TOW 2 System Summary

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

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
	Procurement Quantity (Each)	-	1,200	802	1,403	-	1,403	1,447	1,483	1,750	765	Continuing
Gross/Weapon System Cost (\$ in Millions)	2,423.093	136.960	58.676	84.598	-	84.598	87.347	89.159	111.840	91.248	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	97.471	-	-	19.886	-	19.886	19.931	19.965	19.984	-	Continuing	Continuing
Net Procurement (P1) (\$ in Millions)	2,325.622	136.960	58.676	64.712	-	64.712	67.416	69.194	91.856	91.248	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	97.471	-	19.886	19.931	-	19.931	19.965	19.984	-	-	Continuing	Continuing
Total Obligation Authority (\$ in Millions)	2,423.093	136.960	78.562	84.643	-	84.643	87.381	89.178	91.856	91.248	Continuing	Continuing

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	114.133	73.162	60.298	-	60.298	60.364	60.121	63.909	119.278	Continuing	Continuing

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 Heavy Brigade Combat Team (HBCT). 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. The 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.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
C59403 - TOW Family of Missiles	P5, P5A, P21		-	-	-	114.133	1,200	136.960	73.162	802	58.676	60.298	1,403	84.598	-	-	-	60.298	1,403	84.598
Total Gross/Weapon System Cost				2,423.093			136.960			58.676			84.598			-				84.598

*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.

Justification:

FY13 Base procurement dollars in the amount of \$84.643 million funds the second year of a five-year (FY12-16) multi-year contract. FY13 includes \$19.931 million Advance Procurement for Long Lead Items. The five-year contract procures 6885 TOW multi-variant missiles. This funding profile supports the Total Army Munitions Requirement (TAMR) and maintains the supplier industrial base.

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A : Missile Procurement, Army / BA 2 : Other Missiles / BSA 30 : Anti-Tank/ Assault Missile Sys		P-1 Line Item Nomenclature: C59300 - TOW 2 System Summary
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
NOTES: The Army intends to convert any price advantage created through contract negotiations, other service procurement, and/or foreign military sales into a buy-to-budget procurement strategy.		

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Exhibit P-5, Cost Analysis: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30	P-1 Line Item Nomenclature: C59300 - TOW 2 System Summary	Item Nomenclature (Item Number, Item Name, DODIC): C59403 - TOW Family of Missiles

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Procurement Quantity (Each)	-	1,200	802	1,403	-	1,403
Gross/Weapon System Cost (\$ in Millions)	-	136.960	58.676	84.598	-	84.598
Less PY Advance Procurement (\$ in Millions)	-	-	-	19.886	-	19.886
Net Procurement (P1) (\$ in Millions)	-	136.960	58.676	64.712	-	64.712
Plus CY Advance Procurement (\$ in Millions)	-	-	19.886	19.931	-	19.931
Total Obligation Authority (\$ in Millions)	-	136.960	78.562	84.643	-	84.643

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	114.133	73.162	60.298	-	60.298

Cost Elements († indicates the presence of a P-5A)	ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost																			
Recurring Cost																			
Non-Recurring		-	-	-	-	-	6.632	-	-	6.897	-	-	7.005	-	-	0.000	-	-	7.005
† Missile Contract		-	-	-	93.652	1,200	112.382	44.852	802	35.971	46.471	1,403	65.199	-	-	0.000	46.471	1,403	65.199
Engineering Services		-	-	-	-	-	11.384	-	-	8.989	-	-	4.600	-	-	0.000	-	-	4.600
Acceptance Testing		-	-	-	-	-	0.387	-	-	0.274	-	-	0.479	-	-	0.000	-	-	0.479
Project Mgt Admin		-	-	-	-	-	6.175	-	-	6.545	-	-	7.315	-	-	0.000	-	-	7.315
Gross P-1 End Cost		-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Total Recurring Cost				0.000			136.960			58.676			84.598			0.000			84.598
Total Flyaway Cost				0.000			136.960			58.676			84.598			0.000			84.598
Gross Weapon System Cost				-			136.960			58.676			84.598			-			84.598

Remarks:

Secondary Distribution	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active	1,200	802	1,403	-	1,403
Total Obligation Authority	136.960	78.562	84.643	-	84.643

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Army										Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30				P-1 Line Item Nomenclature: C59300 - TOW 2 System Summary					Item Nomenclature: C59403 - TOW Family of Missiles			
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†Missile Contract		2011	Raytheon / Tucson, AZ	C / FFP	AMCOM, Redstone Arsenal, AL	Apr 2011	Sep 2013	1,200	93.652	N		
†Missile Contract		2012	Raytheon / Tucson, AZ	C / FFP	AMCOM, Redstone Arsenal, AL	May 2012	Mar 2014	802	44.852	N		
†Missile Contract		2013	Raytheon / Tucson, AZ	C / FFP	AMCOM, Redstone Arsenal, AL	Dec 2012	Dec 2014	1,403	46.471	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
- OCO Overseas Contingency Operations

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Exhibit P-21, Budget Production Schedule: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30 **P-1 Line Item Nomenclature:** C59300 - TOW 2 System Summary **Item Nomenclature:** C59403 - TOW Family of Missiles

COST ELEMENTS Units in Each							Fiscal Year 2013											Fiscal Year 2014													
O C O	MFR Ref #	FY	SERVICE [‡]	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2013											Calendar Year 2014											B A L		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L		A U G	S E P
Missile Contract																															
	1	2011	ARMY ⁽¹⁾	1200	0	1200	-	-	-	-	-	-	-	-	-	-	-	200	200	200	200	200	200								
	1	2012	ARMY	802	0	802	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	175	175	175	175	102			
	1	2012	♦ MC	1214	0	1214	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	35	35	35	108			
	1	2012	TOTAL	2016	0	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	210	210	210	210	210			
	1	2013	ARMY ⁽²⁾	1403	0	1403	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1403
	1	2013	♦ MC ⁽³⁾	815	0	815	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	815
	1	2013	TOTAL	2218	0	2218	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2218
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Budget Production Schedule: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30 **P-1 Line Item Nomenclature:** C59300 - TOW 2 System Summary **Item Nomenclature:** C59403 - TOW Family of Missiles

COST ELEMENTS Units in Each							Fiscal Year 2015											Fiscal Year 2016												
O C O	MFR Ref #	FY	SERVICE [±]	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2015											Calendar Year 2016												
							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
Missile Contract																														
	1	2011	ARMY ⁽¹⁾	1200	1200	0																								
	1	2012	ARMY	802	802	0																								
	1	2012	♦ MC	1214	668	546																								
	1	2012	TOTAL	2016	1470	546																								
	1	2013	ARMY ⁽²⁾	1403	0	1403	-	-	74	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	109		
	1	2013	♦ MC ⁽³⁾	815	0	815	-	-	-	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	75		
	1	2013	TOTAL	2218	0	2218	-	-	74	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	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 N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

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Exhibit P-21, Budget Production Schedule: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30	P-1 Line Item Nomenclature: C59300 - TOW 2 System Summary	Item Nomenclature: C59403 - TOW Family of Missiles

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEADTIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Raytheon - Tucson, AZ	175	600	1400	2	3	21	24	3	2	21	23

Remarks:
 Multiyear contracts do not follow the Administrative Lead Time shown for annual year contracts.FY11 Army OCO: 1200.FY12-16 Army MultiYear: 6885 (802, 1403, 1447, 1483, 1750).FY12 USMC: 1214.FY13 USMC: 815.Production Rate increase is the result of production line optimization and expansion by RMS to meet the requirements of the FY06-FY11 Production Contract.
 ‡ Delivery rows marked with the † symbol indicate that they are funded through a separate Line Item. Additionally, deliveries for such components are not shown in this exhibit if they occur after the last delivery for the budgeting component. See the respective components' exhibits for details, including the full delivery schedule.
 (1)OCO
 (2)BASE
 (3)BASE

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity:
2032A : Missile Procurement, Army / BA 2 : Other Missiles / BSA 30 : Anti-Tank/
Assault Missile Sys

P-1 Line Item Nomenclature:
C59300 - TOW 2 System Summary

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

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	19.886	19.931	-	19.931	19.965	19.984	-	-	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	19.886	19.931	-	19.931	19.965	19.984	-	-	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	19.886	19.931	-	19.931	19.965	19.984	-	-	Continuing	Continuing

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

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

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 Heavy Brigade Combat Team (HBCT). 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. The 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.

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
C59300 - TOW 2 System Summary	P10		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost					-			19.886				19.931			-					19.931

*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.

Justification:

FY13 Base advance procurement dollars in the amount of \$19.931 million funds Long Lead Items for the second year of a five-year (FY12-16) multi-year contract.

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A : Missile Procurement, Army / BA 2 : Other Missiles / BSA 30 : Anti-Tank/ Assault Missile Sys		P-1 Line Item Nomenclature: C59300 - TOW 2 System Summary
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
NOTES: The Army intends to convert any price advantage created through contract negotiations, other service procurement, and/or foreign military sales into a buy-to-budget procurement strategy.		

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Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30	P-1 Line Item Nomenclature: C59300 - TOW 2 System Summary	Item Nomenclature (Item Number, Item Name): C59300 - TOW 2 System Summary

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP Code:
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First System (2013) Award Date: March 2012	First System (2013) Completion Date: March 2014	Interval Between Systems: 12 Months
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End Item Quantity	Prior Years	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)
	0	1,200	802	-	-	-	-	-	-	-

Cost Element	Procurement Leadtime (Months)	When Rqd (Months)	All Prior Years (\$ M)	FY 2011 (\$ M)	FY 2012 (\$ M)	FY 2013 (\$ M)	FY 2014 (\$ M)	FY 2015 (\$ M)	FY 2016 (\$ M)	FY 2017 (\$ M)	To Complete (\$ M)	Total (\$ M)
Other												
Warhead	-	19	-	-	7.687	7.698	-	-	-	-	-	-
Launch Motor	-	14	-	-	1.547	1.537	-	-	-	-	-	-
Flight Motor	-	12	-	-	0.291	0.289	-	-	-	-	-	-
2B Sensor	-	18	-	-	4.623	4.705	-	-	-	-	-	-
Gyro	-	13	-	-	2.645	2.628	-	-	-	-	-	-
Flight Motor Case Kit	-	10	-	-	0.601	0.597	-	-	-	-	-	-
Control Surface Actuators	-	13	-	-	1.565	1.555	-	-	-	-	-	-
Beacon Shutter Actuator	-	11	-	-	0.927	0.922	-	-	-	-	-	-
<i>Other Subtotal</i>			<i>0.000</i>	<i>0.000</i>	<i>19.886</i>	<i>19.931</i>	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>
Total Advance Procurement/Obligation Authority			-	-	19.886	19.931	-	-	-	-	-	-

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Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30	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) :	MDAP Code:
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End Item	FY 2013		
	Unit Cost (\$ K)	Qty (Each)	Total Cost Request (\$ M)
	-	-	19.931

Cost Elements	QPA (Each)	FY 2013				
		Procurement Leadtime (Months)	Unit Cost (\$ K)	Qty (Each)	Contract Forecast Date	Total Cost Request (\$ M)
Other						
Warhead	1	-	-	-	Dec 2012	8
Launch Motor	1	-	-	-	Dec 2012	2
Flight Motor	1	-	-	-	Dec 2012	0
2B Sensor	1	-	-	-	Dec 2012	5
Gyro	1	-	-	-	Dec 2012	3
Flight Motor Case Kit	1	-	-	-	Dec 2012	1
Control Surface Actuators	1	-	-	-	Dec 2012	2
Beacon Shutter Actuator	1	-	-	-	Dec 2012	1

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.

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A : Missile Procurement, Army / BA 2 : Other Missiles / BSA 30 : Anti-Tank/ Assault Missile Sys	P-1 Line Item Nomenclature: C64400 - Guided MLRS Rocket (GMLRS)
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0603778A
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Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	2,592	3,204	1,608	186	1,794	1,812	1,806	2,028	2,862	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	1,213.505	264.548	333.167	218.679	20.553	239.232	237.684	252.057	277.660	362.965	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,213.505	264.548	333.167	218.679	20.553	239.232	237.684	252.057	277.660	362.965	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,213.505	264.548	333.167	218.679	20.553	239.232	237.684	252.057	277.660	362.965	Continuing	Continuing

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

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

Description:

Guided Multiple Launch Rocket System (GMLRS) munitions are the Army's primary organic Joint Expeditionary, all-weather, 24/7, tactical precision guided rockets employed by modular Fires Brigades supporting Brigade Combat Teams, Divisions, Joint Special Operations Force, and Joint Force combatant commanders and is also a key component of the Marine Corps Future Fighting Effort. GMLRS are the primary munitions for units fielded with the High Mobility Artillery Rocket System (HIMARS) and Multiple Launch Rocket System (MLRS) M270A1 rocket and missile launcher platforms. GMLRS provides close, medium, and long range precision and area fires to destroy, suppress and shape threat forces and protect friendly forces against: cannon, mortar, rocket and missile artillery, light material and armor, personnel, command and control, and air defense surface targets. GMLRS integrates guidance and control packages and an improved rocket motor achieving greater range and precision accuracy, requiring fewer rockets to defeat targets, thereby reducing the logistics burden. The two fielded variants are GMLRS with Dual Purpose Improved Conventional Munitions (DPICM/Increment 1) and GMLRS Unitary (U/Increment 2), a 200-pound class high explosive warhead. The GMLRS Unitary (U/Increment 2) is the only variant of MLRS Family of Munitions (MFOM) currently in production. This rocket integrates a 200-pound class high explosive warhead with multi-mode fuzing options (proximity, point detonate, and delay), expanding the MLRS target set into urban, complex, pre-planned and Troops in Contact (TIC) scenarios by delivering a low collateral damage, precision strike rocket. GMLRS Unitary is relevant to current operations with over 2121 rockets fired in support of Overseas Contingency Operations (OCO) by the Army, Marine Corps and United Kingdom. A third variant of GMLRS, the Alternative Warhead (AW/Increment 3), is being developed to replace GMLRS DPICM and meet requirements outlined in a 25 JUN 2008 Cluster Munitions Policy, which requires all cluster munitions by 2019 to produce less than 1% Unexploded Ordnance (UXO) on the battlefield.

All variants of GMLRS share at least 80% commonality and are procured under this funding line. GMLRS is manufactured in Camden, Arkansas.

GMLRS Foreign Partners have indicated that they intend to procure significantly less GMLRS rockets through FY17 which negates the advantage of economies of scale.

	Secondary Distribution	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active	Quantity	2,592	3,204	1,608	186	1,794
	Total Obligation Authority	264.548	333.167	218.679	20.553	239.232

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity:
2032A : Missile Procurement, Army / BA 2 : Other Missiles / BSA 30 : Anti-Tank/
Assault Missile Sys **P-1 Line Item Nomenclature:**
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

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
*** (See enclosed P-40A)	P40A				-		0.369			0.412			0.427			-				0.427
C65404 - GUIDED MLRS ROCKET (GMLRS)	P5, P5A, P21		-	-	-	-	2,592	264.179	-	3,204	332.755	-	1,608	218.252	-	186	20.553	-	1,794	238.805
Total Gross/Weapon System Cost					1,213.505			264.548			333.167			218.679			20.553			239.232

*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.

Justification:
FY 2013 Base procurement dollars in the amount of \$218.679 million supports the acquisition of 1608 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. FY 2013 OCO procurement dollars in the amount of \$20.553 million supports the acquisition of 186 GMLRS Unitary rockets for the United States Army to replace rockets expended in theater.

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 ILS and Obsolescence. The column for OCO dollars on the Tactical GMLRS line only includes the cost to procure additional rockets to replace rockets expended in theater. The OCO-funded rockets do not share in the cost of other production contract CLINs such as ILS and Obsolescence. Note that the additional OCO buys do not add quantity to the GMLRS total APO of 43560 since they are a direct replacement for OCO rocket expenditures. GMLRS Unitary is relevant to current operations with over 2121 rockets fired in support of Overseas Contingency Operations (OCO) by the Army, Marine Corp and United Kingdom.

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Exhibit P-5, Cost Analysis: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30	P-1 Line Item Nomenclature: C64400 - Guided MLRS Rocket (GMLRS)	Item Nomenclature (Item Number, Item Name, DODIC): C65404 - GUIDED MLRS ROCKET (GMLRS)

Resource Summary		Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Procurement Quantity (Each)		-	2,592	3,204	1,608	186	1,794
Gross/Weapon System Cost (\$ in Millions)		-	264.179	332.755	218.252	20.553	238.805
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)		-	264.179	332.755	218.252	20.553	238.805
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)		-	264.179	332.755	218.252	20.553	238.805

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

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

Cost Elements († indicates the presence of a P-5A)	ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost																			
Recurring Cost																			
† Tactical GMLRS		-	-	-	91.000	2,592	235.872	92.000	3,204	294.768	109.000	1,608	175.272	109.000	186	20.274	109.000	1,794	195.546
Engineering Services		-	-	-	-	-	5.244	-	-	7.771	-	-	7.492	-	-	0.279	-	-	7.771
Ind Maint/Init Prod Fac		-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Interim Contractor Support		-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
First Destination Transportation		-	-	-	-	-	0.517	-	-	0.595	-	-	0.260	-	-	0.000	-	-	0.260
Project Management Admin		-	-	-	-	-	6.379	-	-	5.949	-	-	5.427	-	-	0.000	-	-	5.427
Production Engineering Support		-	-	-	-	-	10.359	-	-	16.525	-	-	18.030	-	-	0.000	-	-	18.030
MCTD Upgrades-Software Engineering		-	-	-	-	-	0.000	-	-	0.000	-	-	5.300	-	-	0.000	-	-	5.300
Government Test		-	-	-	-	-	5.808	-	-	7.147	-	-	6.471	-	-	0.000	-	-	6.471
GMLRS Training Devices		-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Msl Test Device and Trainer		-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Spares		-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Total Recurring Cost				0.000			264.179			332.755			218.252			20.553			238.805
Total Flyaway Cost				0.000			264.179			332.755			218.252			20.553			238.805

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Exhibit P-5, Cost Analysis: PB 2013 Army												Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30						P-1 Line Item Nomenclature: C64400 - Guided MLRS Rocket (GMLRS)						Item Nomenclature (Item Number, Item Name, DODIC): C65404 - GUIDED MLRS ROCKET (GMLRS)					

Cost Elements († indicates the presence of a P-5A)	ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)
Gross Weapon System Cost				-			264.179			332.755			218.252			20.553			238.805

Remarks:																													
Secondary Distribution					FY 2011					FY 2012					FY 2013 Base					FY 2013 OCO					FY 2013 Total				
Army Active		Quantity			2,592					3,204					1,608					186					1,794				
		Total Obligation Authority			264.179					332.755					218.252					20.553					238.805				

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Army										Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30				P-1 Line Item Nomenclature: C64400 - Guided MLRS Rocket (GMLRS)					Item Nomenclature: C65404 - GUIDED MLRS ROCKET (GMLRS)			
Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$ K)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†Tactical GMLRS		2011	Lockheed Martin M.&F.C Sys. / Dallas, TX	SS / FFP	AMCOM	Mar 2011	May 2012	2,592	91.000	N		May 2010
†Tactical GMLRS		2012	Lockheed Martin M.&F.C Sys. / Dallas, TX	SS / FFP	AMCOM	Apr 2012	May 2013	3,204	92.000	N		May 2011
†Tactical GMLRS		2013	Lockheed Martin M.&F.C Sys. / Dallas, TX	SS / FFP	AMCOM	Mar 2013	Apr 2014	1,794	109.000	N		May 2012
Remarks: Lockheed Martin is currently the industry source that is both faciliitized and qualified to produce the GMLRS rocket. *Sole Source/Firm Fixed Price **Aviation and Missile Command, Redstone Arsenal, Alabama												

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Exhibit P-21, Budget Production Schedule: PB 2013 Army													Date: February 2012																		
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30						P-1 Line Item Nomenclature: C64400 - Guided MLRS Rocket (GMLRS)													Item Nomenclature: C65404 - GUIDED MLRS ROCKET (GMLRS)												

COST ELEMENTS Units in Each							Fiscal Year 2012													Fiscal Year 2013												
O C O	MFR Ref #	FY	SERVICE [±]	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2012													Calendar Year 2013												
							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	
Tactical GMLRS																																
1	2011	ARMY	2592	0	2592	-	-	-	-	-	-	-	-	30	29	29	29	343	340	340	340	340	340	340	216	216						
1	2011	♦ MC	114	0	114	-	-	-	-	-	-	-	-	9	9	9	9	9	9	9	9	9	9	11	11	11						
1	2011	♦ FMS	88	0	88	-	-	-	-	-	-	-	-	7	7	7	7	7	7	7	7	7	7	7	9	9						
1	2011	TOTAL	2794	0	2794	-	-	-	-	-	-	-	-	46	45	45	45	359	356	356	356	356	356	358	236	236						
1	2012	ARMY	3204	0	3204	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	267	267	267	267	267	1869	
1	2012	♦ MC	96	0	96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8	8	8	8	56	
1	2012	TOTAL	3300	0	3300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	275	275	275	275	275	1925	
1	2013	ARMY	1794	0	1794	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	1794	
1	2013	♦ MC	1398	0	1398	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1398	
1	2013	TOTAL	3192	0	3192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3192	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Budget Production Schedule: PB 2013 Army													Date: February 2012												
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30						P-1 Line Item Nomenclature: C64400 - Guided MLRS Rocket (GMLRS)													Item Nomenclature: C65404 - GUIDED MLRS ROCKET (GMLRS)						

COST ELEMENTS Units in Each							Fiscal Year 2014												Fiscal Year 2015												
O C O	MFR Ref #	FY	SERVICE [±]	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015												
							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
Tactical GMLRS																															
1	2011	ARMY	2592	2592	0																										
1	2011	♦ MC	114	114	0																										
1	2011	♦ FMS	88	88	0																										
1	2011	TOTAL	2794	2794	0																										
1	2012	ARMY	3204	1335	1869	267	267	267	267	267	267	267																			
1	2012	♦ MC	96	40	56	8	8	8	8	8	8	8																			
1	2012	TOTAL	3300	1375	1925	275	275	275	275	275	275	275																			
1	2013	ARMY	1794	0	1794	-	-	-	-	-	-	144	144	144	144	156	156	162	156	156	144	144	144								
1	2013	♦ MC	1398	0	1398	-	-	-	-	-	-	81	119	119	119	119	120	125	120	119	119	119	119								
1	2013	TOTAL	3192	0	3192	-	-	-	-	-	-	225	263	263	263	275	276	287	276	275	263	263	263								
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	A	M	J	J	A	S	
						C	O	E	A	E	A	P	A	U	U	U	E	C	O	D	A	E	A	P	A	U	U	A	S		
						T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P		

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Exhibit P-21, Budget Production Schedule: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30	P-1 Line Item Nomenclature: C64400 - Guided MLRS Rocket (GMLRS)	Item Nomenclature: C65404 - GUIDED MLRS ROCKET (GMLRS)

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEADTIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Lockheed Martin M.&F.C Sys. - Dallas, TX	154	250	500	8	2	11	13	0	2	11	13

Remarks:
 The PFRMS PMO is raising the Minimum Sustaining Rate (MSR) for GMLRS due to the final delivery and installation of hardware necessary to achieve the DA directed 6,000 rate capacity. Production below MSR will significantly impact unit cost due to increased overhead/maintenance required to support Department of Army directed facility. 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. Additionally, deliveries for such components are not shown in this exhibit if they occur after the last delivery for the budgeting component. See the respective components' exhibits for details, including the full delivery schedule.

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30 **P-1 Line Item Nomenclature:** C64400 - Guided MLRS Rocket (GMLRS) **Aggregated Item Name:** Various

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
(Uncategorized)																			
C65406 - GMLRS Training Devices		-	-	-	-	-	0.369	-	-	0.412	-	-	0.427	-	-	-	-	-	0.427
<i>Uncategorized Subtotal</i>				0.000			0.369			0.412			0.427			0.000			0.427
Total				0.000			0.369			0.412			0.427			0.000			0.427

Remarks:

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity:
2032A : Missile Procurement, Army / BA 2 : Other Missiles / BSA 30 : Anti-Tank/
Assault Missile Sys

P-1 Line Item Nomenclature:
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

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
	Procurement Quantity (Each)	-	2,149	2,370	2,430	-	2,430	2,412	2,706	2,706	2,688	Continuing
Gross/Weapon System Cost (\$ in Millions)	103.489	15.796	18.175	18.767	-	18.767	19.083	21.567	21.934	22.307	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	103.489	15.796	18.175	18.767	-	18.767	19.083	21.567	21.934	22.307	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	103.489	15.796	18.175	18.767	-	18.767	19.083	21.567	21.934	22.307	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	7.350	7.669	7.723	-	7.723	7.912	7.970	8.106	8.299	Continuing	Continuing

Description:

The Multiple Launch Rocket System (MLRS) Low Cost Reduced Range Practice Rocket (LCRRPR) is the only live training rocket or missile for the U.S. Army Field Artillery rocket and missile units/crews. In this capacity, the MLRS LCRRPR meets a critical validated requirement for Active and Reserve High Mobility Artillery Rocket System (HIMARS), M270A1 and M270 launcher units to achieve and maintain combat readiness in Overseas Contingency Operations (OCO). HIMARS and M270A1 Battalions are organic and attached to modular Fires Brigades supporting Brigade Combat Teams (BCTs), Joint Expeditionary Force (JEF) and Joint Special Operations Force (JSOF) combatant commands. The training rocket has an inert payload section with a blunt nose for inducing reduced range for use at multiple facilities both in the United States of America and other foreign countries. LCRRPR Rockets are manufactured in Camden, Arkansas.

Secondary Distribution		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active	Quantity	1,340	1,332	1,270	-	1,270
	Total Obligation Authority	7.994	10.217	10.632	-	10.632
Army National Guard	Quantity	809	1,038	1,160	-	1,160
	Total Obligation Authority	7.802	7.958	8.135	-	8.135

Item Nomenclature*	Exhibits	ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
C65405 - MLRS Reduced Range Practice Rockets (RRPR)	P5, P5A, P21		-	-	-	7.350	2,149	15.796	7.669	2,370	18.175	7.723	2,430	18.767	-	-	-	7.723	2,430	18.767

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity:
 2032A : Missile Procurement, Army / BA 2 : Other Missiles / BSA 30 : Anti-Tank/
 Assault Missile Sys **P-1 Line Item Nomenclature:**
 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

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Total Gross/Weapon System Cost					103.489		15.796			18.175			18.767			-			18.767	

*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.

Justification:
 FY2013 Base procurement dollars in the amount of \$18.767 million support funding to procure 2430 LCRRPRs which are required to maintain the practice rocket inventory for Standards in Training Commission (STRC) requirements.

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Exhibit P-5, Cost Analysis: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30	P-1 Line Item Nomenclature: C65405 - MLRS Reduced Range Practice Rockets (RRPR)	Item Nomenclature (Item Number, Item Name, DODIC): C65405 - MLRS Reduced Range Practice Rockets (RRPR)

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Procurement Quantity (Each)	-	2,149	2,370	2,430	-	2,430
Gross/Weapon System Cost (\$ in Millions)	-	15.796	18.175	18.767	-	18.767
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	15.796	18.175	18.767	-	18.767
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	15.796	18.175	18.767	-	18.767

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	7.350	7.669	7.723	-	7.723

Cost Elements († indicates the presence of a P-5A)	ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost																			
Recurring Cost																			
† Reduced Range Practice Rocket (LCRRPR)		-	-	-	5.320	2,149	11.433	5.650	2,370	13.399	5.850	2,430	14.221	-	-	0.000	5.850	2,430	14.221
Warheads Govt Furnished Equip (GFE)		-	-	-	-	-	1.641	-	-	2.004	-	-	1.702	-	-	0.000	-	-	1.702
Engineering Services		-	-	-	-	-	0.539	-	-	0.289	-	-	0.298	-	-	0.000	-	-	0.298
First Destination Transportation		-	-	-	-	-	0.028	-	-	0.028	-	-	0.016	-	-	0.000	-	-	0.016
Project Management Admin		-	-	-	-	-	0.651	-	-	0.654	-	-	0.675	-	-	0.000	-	-	0.675
Production Engineering Support		-	-	-	-	-	1.091	-	-	1.386	-	-	1.427	-	-	0.000	-	-	1.427
Test and Evaluation		-	-	-	-	-	0.413	-	-	0.415	-	-	0.428	-	-	0.000	-	-	0.428
Total Recurring Cost				0.000			15.796			18.175			18.767			0.000			18.767
Total Flyaway Cost				0.000			15.796			18.175			18.767			0.000			18.767
Gross Weapon System Cost				-			15.796			18.175			18.767			-			18.767

Remarks:

Secondary Distribution	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active Quantity	1,340	1,332	1,270	-	1,270

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Exhibit P-5, Cost Analysis: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30	P-1 Line Item Nomenclature: C65405 - MLRS Reduced Range Practice Rockets (RRPR)	Item Nomenclature (Item Number, Item Name, DODIC): C65405 - MLRS Reduced Range Practice Rockets (RRPR)

Secondary Distribution		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
	Total Obligation Authority	7.994	10.217	10.632	-	10.632
Army National Guard	Quantity	809	1,038	1,160	-	1,160
	Total Obligation Authority	7.802	7.958	8.135	-	8.135

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Army										Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30				P-1 Line Item Nomenclature: C65405 - MLRS Reduced Range Practice Rockets (RRPR)					Item Nomenclature: C65405 - MLRS Reduced Range Practice Rockets (RRPR)			
Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$ K)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†Reduced Range Practice Rocket (LCRRPR)		2011	Lockheed Martin / Dallas	SS / FFP	AMCOM, RSA, AL	Mar 2011	May 2012	2,149	5.320	N		May 2010
†Reduced Range Practice Rocket (LCRRPR)		2012	Lockheed Martin / Dallas	SS / FFP	AMCOM, RSA, AL	Apr 2012	May 2013	2,370	5.650	N		May 2011
†Reduced Range Practice Rocket (LCRRPR)		2013	Lockheed Martin / Dallas	SS / FFP	AMCOM, RSA,AL	Mar 2013	Apr 2014	2,430	5.850	N		May 2012
Remarks: Lockheed Martin is currently the industry source that is both facilitized and qualified to produce the Low Cost Reduced Range Practice Rocket. * Sole source/Firm Fixed Price ** Aviation and Missile Command, Redstone Arsenal, AL												

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Exhibit P-21, Budget Production Schedule: PB 2013 Army														Date: February 2012													
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30							P-1 Line Item Nomenclature: C65405 - MLRS Reduced Range Practice Rockets (RRPR)														Item Nomenclature: C65405 - MLRS Reduced Range Practice Rockets (RRPR)						

COST ELEMENTS Units in Each							Fiscal Year 2012														Fiscal Year 2013														
O C O	MFR Ref #	FY	SERVICE [‡]	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2012														Calendar Year 2013														
							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				
Reduced Range Practice Rocket (LCRRPR)																																			
1		2011	ARMY	2149	0	2149	-	-	-	-	-	-	-	-	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174						
1		2011	♦ MC	600	0	600	-	-	-	-	-	-	-	-	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54					
1		2011	TOTAL	2749	0	2749	-	-	-	-	-	-	-	-	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228					
1		2012	ARMY	2370	0	2370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	197	197	197	197	197	1385
1		2012	♦ MC	630	0	630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	53	53	53	53	365
1		2012	TOTAL	3000	0	3000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	250	250	250	250	250	1750
1		2013	ARMY ⁽¹⁾	2430	0	2430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2430
1		2013	♦ MC ⁽²⁾	732	0	732	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	732
1		2013	TOTAL	3162	0	3162	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3162
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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Exhibit P-21, Budget Production Schedule: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30	P-1 Line Item Nomenclature: C65405 - MLRS Reduced Range Practice Rockets (RRPR)	Item Nomenclature: C65405 - MLRS Reduced Range Practice Rockets (RRPR)
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COST ELEMENTS Units in Each							Fiscal Year 2014													Fiscal Year 2015										
O C O	MFR Ref #	FY	SERVICE [±]	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2014													Calendar Year 2015										
							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
Reduced Range Practice Rocket (LCRRPR)																														
	1	2011	ARMY	2149	2149	0																								
	1	2011	♦ MC	600	600	0																								
	1	2011	TOTAL	2749	2749	0																								
	1	2012	ARMY	2370	985	1385	197	198	198	198	198	198	198																	
	1	2012	♦ MC	630	265	365	53	52	52	52	52	52	52																	
	1	2012	TOTAL	3000	1250	1750	250	250	250	250	250	250	250																	
	1	2013	ARMY ⁽¹⁾	2430	0	2430	-	-	-	-	-	-	202	202	202	202	202	202	203	203	203	203	203	203						
	1	2013	♦ MC ⁽²⁾	732	0	732	-	-	-	-	-	-	61	61	61	61	61	61	61	61	61	61	61	61						
	1	2013	TOTAL	3162	0	3162	-	-	-	-	-	-	263	263	263	263	263	263	264	264	264	264	264	264						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

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Exhibit P-21, Budget Production Schedule: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30	P-1 Line Item Nomenclature: C65405 - MLRS Reduced Range Practice Rockets (RRPR)	Item Nomenclature: C65405 - MLRS Reduced Range Practice Rockets (RRPR)

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEADTIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Lockheed Martin - Dallas	42	480	960	8	2	11	13	0	2	11	13

Remarks:
 Production of LCRPRs 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.
 ‡ Delivery rows marked with the ♦ symbol indicate that they are funded through a separate Line Item. Additionally, deliveries for such components are not shown in this exhibit if they occur after the last delivery for the budgeting component. See the respective components' exhibits for details, including the full delivery schedule.
 (1)BASE
 (2)BASE

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity:
2032A : Missile Procurement, Army / BA 2 : Other Missiles / BSA 30 : Anti-Tank/
Assault Missile Sys

P-1 Line Item Nomenclature:
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

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	44	-	-	-	-	-	-	-	-	0	44
Gross/Weapon System Cost (\$ in Millions)	1,420.657	203.369	31.674	12.051	-	12.051	-	-	-	-	0.000	1,667.751
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,420.657	203.369	31.674	12.051	-	12.051	-	-	-	-	0.000	1,667.751
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,420.657	203.369	31.674	12.051	-	12.051	-	-	-	-	0.000	1,667.751
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	63.622	9.651	0.937	-	-	-	-	-	-	-	0.000	74.210
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

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.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
*** (See enclosed P-40A)	P40A				-		5.673			7.490			-			-			-	
C03000 - HIMARS LAUNCHER	P5, P5A, P21		-	-	-	44	197.696	-	-	24.184	-	-	12.051	-	-	-	-	-	12.051	
Total Gross/Weapon System Cost				1,420.657			203.369			31.674			12.051			-			12.051	

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A : Missile Procurement, Army / BA 2 : Other Missiles / BSA 30 : Anti-Tank/ Assault Missile Sys		P-1 Line Item Nomenclature: 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
<small>*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.</small>		
<p>Justification: FY13 Base procurement dollars in the amount of \$12.051 million support continued fielding end items, production related engineering services, software, field support and associated support items of equipment. HIMARS meets the Army's modernization goal for the 21st century and was selected by Army strategic planners as one of the Army's core systems of the Fires Brigade. The approved Army Acquisition Objective is 888 and the Army Procurement Objective is 375.</p>		

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Exhibit P-5, Cost Analysis: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30	P-1 Line Item Nomenclature: C02901 - High Mobility Artillery Rocket System (HIMARS)	Item Nomenclature (Item Number, Item Name, DODIC): C03000 - HIMARS LAUNCHER

Resource Summary		Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Procurement Quantity (Each)		-	44	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		-	197.696	24.184	12.051	-	12.051
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)		-	197.696	24.184	12.051	-	12.051
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)		-	197.696	24.184	12.051	-	12.051

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

Initial Spares (\$ in Millions)		-	9.651	0.937	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)		-	-	-	-	-	-

Cost Elements († indicates the presence of a P-5A)	ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost																			
Recurring Cost																			
† Launcher		-	-	-	2,953.841	44	129.969	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Carrier		-	-	-	529.795	44	23.311	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Engineering Services		-	-	-	-	-	9.213	-	-	7.256	-	-	4.521	-	-	0.000	-	-	4.521
Fielding		-	-	-	-	-	8.166	-	-	3.402	-	-	2.569	-	-	0.000	-	-	2.569
Facilitization		-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Project Management Admin		-	-	-	-	-	8.065	-	-	2.850	-	-	2.396	-	-	0.000	-	-	2.396
Production Engineering		-	-	-	-	-	9.829	-	-	1.846	-	-	1.386	-	-	0.000	-	-	1.386
Government Testing		-	-	-	-	-	2.499	-	-	0.753	-	-	0.487	-	-	0.000	-	-	0.487
Peculiar Support Equipment		-	-	-	-	-	0.971	-	-	0.587	-	-	0.692	-	-	0.000	-	-	0.692
OMEMS Tactical Trainer		-	-	-	-	-	4.904	-	-	6.758	-	-	0.000	-	-	-	-	-	0.000
MFOM Simulator (MLPA)		-	-	-	-	-	0.769	-	-	0.732	-	-	0.000	-	-	-	-	-	0.000
Organizational Maintenance Trainer		-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Initial Spares		-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Total Recurring Cost				0.000			197.696			24.184			12.051			0.000			12.051
Total Flyaway Cost				0.000			197.696			24.184			12.051			0.000			12.051
Gross Weapon System Cost				-			197.696			24.184			12.051			-			12.051

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Exhibit P-5, Cost Analysis: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30	P-1 Line Item Nomenclature: C02901 - High Mobility Artillery Rocket System (HIMARS)	Item Nomenclature (Item Number, Item Name, DODIC): C03000 - HIMARS LAUNCHER

Remarks:						
Secondary Distribution		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active	Quantity	-	-	-	-	-
	Total Obligation Authority	2.990	11.056	12.051	-	12.051
Army National Guard	Quantity	44	-	-	-	-
	Total Obligation Authority	194.706	13.128	-	-	-

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30	P-1 Line Item Nomenclature: C02901 - High Mobility Artillery Rocket System (HIMARS)	Item Nomenclature: C03000 - HIMARS LAUNCHER
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$ K)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†Launcher		2011	Lockheed Martin M. F. C. Sys / Dallas Texas	SS / FFP	AMCOM	Dec 2010	Apr 2012	44	2,953.841	N		Aug 2010

Remarks:
Note #1: Unit cost shown above reflects launcher costs only and does not reflect the cost of carriers which are provided to LMMFC as Government Furnished Equipment.

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Exhibit P-21, Budget Production Schedule: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30 **P-1 Line Item Nomenclature:** C02901 - High Mobility Artillery Rocket System (HIMARS) **Item Nomenclature:** C03000 - HIMARS LAUNCHER

COST ELEMENTS Units in Each							Fiscal Year 2012										Fiscal Year 2013														
O C O	MFR Ref #	FY	SERVICE [‡]	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2012										Calendar Year 2013														
							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
Launcher							-	-	-	-	-	-	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Budget Production Schedule: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30	P-1 Line Item Nomenclature: C02901 - High Mobility Artillery Rocket System (HIMARS)	Item Nomenclature: C03000 - HIMARS LAUNCHER

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEADTIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Lockheed Martin M. F. C. Sys - Dallas Texas	2	7	12	8	3	16	19	0	3	16	19

Remarks:
 ‡ Delivery rows marked with the ♦ symbol indicate that they are funded through a separate Line Item. Additionally, deliveries for such components are not shown in this exhibit if they occur after the last delivery for the budgeting component. See the respective components' exhibits for details, including the full delivery schedule.

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 2 / BSA 30 **P-1 Line Item Nomenclature:** C02901 - High Mobility Artillery Rocket System (HIMARS) **Aggregated Item Name:** Various

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
(Uncategorized)																			
C03001 - HIMARS Training Devices		-	-	-	-	-	5.673	-	-	7.490	-	-	-	-	-	-	-	-	-
<i>Uncategorized Subtotal</i>				0.000			5.673			7.490			0.000			0.000			0.000
Total				0.000			5.673			7.490			0.000			0.000			0.000

Remarks:

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity:
2032A : Missile Procurement, Army / BA 3 : Modification of Missiles / BSA 10 :
Modifications

P-1 Line Item Nomenclature:
C50700 - Patriot Mods

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0214401A

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2,413.630	56.849	66.925	199.565	-	199.565	258.655	234.737	328.959	329.249	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2,413.630	56.849	66.925	199.565	-	199.565	258.655	234.737	328.959	329.249	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,413.630	56.849	66.925	199.565	-	199.565	258.655	234.737	328.959	329.249	Continuing	Continuing

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

Initial Spares (\$ in Millions)	178.406	6.953	6.732	6.800	-	6.800	6.839	5.847	5.960	6.062	Continuing	Continuing
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

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: material changes identified in the Patriot Product Improvement Program (PIP); corrections identified in the field; obsolescence issues; emerging technologies; software improvements; crew interface and communication upgrades.

Secondary Distribution	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017
Army Active									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	56.849	66.925	199.565	-	199.565	258.655	234.737	328.959	329.249

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
PATRIOT MODS - Various	P3A		-	-	2,413.630	-	-	56.849	-	-	66.925	-	-	199.565	-	-	-	-	-	199.565
Total Gross/Weapon System Cost					2,413.630			56.849			66.925			199.565			-			199.565

		FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
PATRIOT MODS - Various	P3A		-	-	258.655	-	-	234.737	-	-	328.959	-	-	329.249	-	-	-	-	-	-

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A : Missile Procurement, Army / BA 3 : Modification of Missiles / BSA 10 : Modifications
P-1 Line Item Nomenclature: C50700 - Patriot Mods

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0214401A

Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Total Gross/Weapon System Cost					258.655			234.737			328.959			329.249			-			-

*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.

Justification:
 FY 2013 Base funding in the amount of \$199.565 million supports the modifications for Reliability, Availability, and Maintainability Modifications (RAM Mods), Battery Command Post/ Tactical Command System (BCP/TCS), Recapitalization, and Patriot Modernization.

 Efforts will be made to expedite Patriot materiel solutions (e.g. Radar Digital Processor, Communications Upgrades, Radars on the Net) to both enhance capability and facilitate integration into the Integrated Air and Missile Defense (IAMD) architecture.

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Exhibit P-3A, Individual Modification: PB 2013 Army								Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10				P-1 Line Item Nomenclature: C50700 - Patriot Mods				Modification Nomenclature (<i>Modification Title, Modification Number</i>): PATRIOT MODS - Various				

Models of Systems Affected: Various			Type Modification: Various					Related RDT&E PEs:				
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Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2,413.630	56.849	66.925	199.565	-	199.565	258.655	234.737	328.959	329.249	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2,413.630	56.849	66.925	199.565	-	199.565	258.655	234.737	328.959	329.249	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,413.630	56.849	66.925	199.565	-	199.565	258.655	234.737	328.959	329.249	Continuing	Continuing

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

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

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: material changes identified in the Patriot Product Improvement Program (PIP); corrections identified in the field; obsolescence issues; emerging technologies; software improvements; crew interface and communications upgrades.

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Exhibit P-3A, Individual Modification: PB 2013 Army									Date: February 2012			
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10				P-1 Line Item Nomenclature: C50700 - Patriot Mods					Modification Nomenclature (<i>Modification Title, Modification Number</i>): PATRIOT MODS - Various			
Models of Systems Affected: Various			Type Modification: Various					Related RDT&E PEs:				
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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												
RAM Mods ⁽¹⁾												
A Kits												
Recurring												
Kit Quantity	5,925	537.700	305	29.290	0	9.600	108	11.946	0	0.000	108	11.946
Installation	0	0.000	0	0.000	0	3.400	0	3.556	0	0.000	0	3.556
Training	0	0.000	0	0.000	0	11.000	0	12.046	0	0.000	0	12.046
Training Equipment	0	0.000	0	0.000	0	4.300	0	2.104	0	0.000	0	2.104
Support Equipment	0	0.000	0	0.000	0	2.500	0	9.142	0	0.000	0	9.142
Other	0	0.000	0	4.897	0	6.400	0	15.954	0	0.000	0	15.954
Contractor Logistics Support	0	0.000	0	0.800	0	1.200	0	1.052	0	0.000	0	1.052
<i>Subtotal Recurring</i>		537.700		34.987		38.400		55.800		0.000		55.800
<i>Total, RAM Mods</i>	5,925	537.700	305	34.987	0	38.400	108	55.800	0	0.000	108	55.800
Recapitalization ⁽²⁾												
A Kits												
Recurring												
Kit Quantity	8	206.700	1	10.400	1	10.000	1	10.000	0	0.000	1	10.000
Other	0	3.900	0	1.836	0	2.000	0	2.000	0	0.000	0	2.000
<i>Subtotal Recurring</i>		210.600		12.236		12.000		12.000		0.000		12.000
<i>Total, Recapitalization</i>	8	210.600	1	12.236	1	12.000	1	12.000	0	0.000	1	12.000
BCP/TCS ⁽³⁾												
A Kits												
Recurring												
Kit Quantity	27	29.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Engineering Change Orders	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Training Equipment	0	0.000	0	0.000	0	0.000	0	2.100	0	0.000	0	2.100
Other (Software)	0	10.900	0	3.100	0	2.800	0	4.600	0	0.000	0	4.600
Contractor Logistics Support	0	21.600	0	3.026	0	2.800	0	4.500	0	0.000	0	4.500

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Exhibit P-3A, Individual Modification: PB 2013 Army									Date: February 2012			
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10				P-1 Line Item Nomenclature: C50700 - Patriot Mods					Modification Nomenclature (<i>Modification Title, Modification Number</i>): PATRIOT MODS - Various			
Models of Systems Affected: Various			Type Modification: Various					Related RDT&E PEs:				
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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)
<i>Subtotal Recurring</i>		61.500		6.126		5.600		11.200		0.000		11.200
<i>Total, BCP/TCS</i>	27	61.500	0	6.126	0	5.600	0	11.200	0	0.000	0	11.200
Patriot Modernization ⁽⁴⁾												
A Kits												
Recurring												
Kit Quantity	0	0.000	0	0.000	4	10.025	79	76.503	0	0.000	79	76.503
Fielding	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Other	0	0.000	0	0.000	0	0.000	0	43.062	0	0.000	0	43.062
<i>Subtotal Recurring</i>		0.000		0.000		10.025		119.565		0.000		119.565
<i>Total, Patriot Modernization</i>	0	0.000	0	0.000	4	10.025	79	119.565	0	0.000	79	119.565
ADA School Upgrades/TADSS ⁽⁵⁾												
A Kits												
Recurring												
Kit Quantity	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Training Equipment	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Other	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Total, ADA School Upgrades/TADSS</i>	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Enhanced Launcher Electronics System (ELES) ⁽⁶⁾												
A Kits												
Recurring												
Kit Quantity	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Total, Enhanced Launcher Electronics System (ELES)</i>	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Radar Enhancement Phase 4 ⁽⁷⁾												
A Kits												
Recurring												
Kit Quantity	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

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Exhibit P-3A, Individual Modification: PB 2013 Army										Date: February 2012			
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10					P-1 Line Item Nomenclature: C50700 - Patriot Mods					Modification Nomenclature (<i>Modification Title, Modification Number</i>): PATRIOT MODS - Various			
Models of Systems Affected: Various				Type Modification: Various				Related RDT&E PEs:					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	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)	
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		0.000	
<i>Total, Radar Enhancement Phase 4</i>	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
<i>Total, All Modifications</i>		809.800		53.349		66.025		198.565		0.000		198.565	
<i>Procurement Cost (Procurement + Support)</i>		809.800		53.349		66.025		198.565		0.000		198.565	
<i>Total Installation Cost</i>		1,603.830		3.500		0.900		1.000		0.000		1.000	
Total Cost (Procurement + Support + Installation)		2,413.630		56.849		66.925		199.565		0.000		199.565	
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	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													
RAM Mods ⁽¹⁾													
A Kits													
Recurring													
Kit Quantity	86	9.000	90	9.944	0	10.040	0	11.745	7,599	399.600	14,113	1,028.865	
Installation	0	3.400	0	3.808	0	3.678	0	4.470	0	0.000	0	22.312	
Training	0	11.500	0	12.704	0	12.290	0	14.145	0	0.000	0	73.685	
Training Equipment	0	5.600	0	6.252	0	2.835	0	3.180	0	0.000	0	24.271	
Support Equipment	0	8.700	0	9.612	0	9.783	0	10.965	0	0.000	0	50.702	
Other	0	15.700	0	15.432	0	15.607	0	15.705	0	0.000	0	89.695	
Contractor Logistics Support	0	1.000	0	0.848	0	4.874	0	4.290	0	0.000	0	14.064	
<i>Subtotal Recurring</i>		54.900		58.600		59.107		64.500		399.600		1,303.594	
<i>Total, RAM Mods</i>	86	54.900	90	58.600	0	59.107	0	64.500	7,599	399.600	14,113	1,303.594	
Recapitalization ⁽²⁾													
A Kits													
Recurring													
Kit Quantity	1	10.000	1	10.000	1	10.000	1	10.000	1	98.700	16	375.800	
Other	0	2.000	0	2.000	0	4.100	0	6.000	0	7.000	0	30.836	
<i>Subtotal Recurring</i>		12.000		12.000		14.100		16.000		105.700		406.636	

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Exhibit P-3A, Individual Modification: PB 2013 Army									Date: February 2012			
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10				P-1 Line Item Nomenclature: C50700 - Patriot Mods					Modification Nomenclature (<i>Modification Title, Modification Number</i>): PATRIOT MODS - Various			
Models of Systems Affected: Various			Type Modification: Various					Related RDT&E PEs:				
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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)
<i>Total, Recapitalization</i>	1	12.000	1	12.000	1	14.100	1	16.000	1	105.700	16	406.636
BCP/TCS ⁽³⁾												
A Kits												
Recurring												
Kit Quantity	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	27	29.000
Engineering Change Orders	0	2.000	0	2.100	0	1.100	0	1.300	0	0.000	0	6.500
Training Equipment	0	2.205	0	2.100	0	2.000	0	2.000	0	0.000	0	10.405
Other (Software)	0	12.000	0	13.600	0	8.000	0	8.000	0	39.600	0	102.600
Contractor Logistics Support	0	5.000	0	5.000	0	5.000	0	5.000	0	59.400	0	111.326
<i>Subtotal Recurring</i>		21.205		22.800		16.100		16.300		99.000		259.831
<i>Total, BCP/TCS</i>	0	21.205	0	22.800	0	16.100	0	16.300	0	99.000	27	259.831
Patriot Modernization ⁽⁴⁾												
A Kits												
Recurring												
Kit Quantity	92	140.750	0	0.000	0	0.000	0	0.000	0	0.000	175	227.278
Fielding	0	0.000	0	1.840	0	1.760	0	0.000	0	0.000	0	3.600
Other	0	12.600	0	28.597	0	31.100	0	11.946	0	0.000	0	127.305
<i>Subtotal Recurring</i>		153.350		30.437		32.860		11.946		0.000		358.183
<i>Total, Patriot Modernization</i>	92	153.350	0	30.437	0	32.860	0	11.946	0	0.000	175	358.183
ADA School Upgrades/TADSS ⁽⁵⁾												
A Kits												
Recurring												
Kit Quantity	4	15.400	4	104.400	3	22.592	0	0.000	0	0.000	11	142.392
Training Equipment	0	0.000	0	0.000	0	0.000	0	96.503	0	0.000	0	96.503
Other	0	0.800	0	5.500	0	1.200	0	0.000	0	0.000	0	7.500
<i>Subtotal Recurring</i>		16.200		109.900		23.792		96.503		0.000		246.395
<i>Total, ADA School Upgrades/TADSS</i>	4	16.200	4	109.900	3	23.792	0	96.503	0	0.000	11	246.395
Enhanced Launcher Electronics System (ELES) ⁽⁶⁾												

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10	P-1 Line Item Nomenclature: C50700 - Patriot Mods	Modification Nomenclature (<i>Modification Title, Modification Number</i>): PATRIOT MODS - Various

Models of Systems Affected: Various	Type Modification: Various	Related RDT&E PEs:
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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	0	0.000	45	150.000	17	60.000	0	0.000	62	210.000
Subtotal Recurring		0.000		0.000		150.000		60.000		0.000		210.000
Total, Enhanced Launcher Electronics System (ELES)	0	0.000	0	0.000	45	150.000	17	60.000	0	0.000	62	210.000
Radar Enhancement Phase 4 ⁽⁷⁾												
A Kits												
Recurring												
Kit Quantity	0	0.000	0	0.000	2	32.000	5	64.000	0	0.000	7	96.000
Subtotal Recurring		0.000		0.000		32.000		64.000		0.000		96.000
Total, Radar Enhancement Phase 4	0	0.000	0	0.000	2	32.000	5	64.000	0	0.000	7	96.000
Total, All Modifications		257.655		233.737		327.959		329.249		604.300		2,880.639
Procurement Cost (Procurement + Support)		257.655		233.737		327.959		329.249		604.300		2,880.639
Total Installation Cost		1.000		1.000		1.000		0.000		1.000		1,613.230
Total Cost (Procurement + Support + Installation)		258.655		234.737		328.959		329.249		605.300		4,493.869

Remarks:

- (1)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 the modification and design changes which are essential to stabilize the system at the highest readiness posture available and reduction of O&S.
- (2)These modifications include communication upgrades, Family of Medium Tactical Vehicles (FMTV), training upgrades, and Depot Maintenance Plant Equipment (DMPE) and are synchronized with the recapitalization program.
- (3)The Battery Command Post/ Tactical Command System (BCP/TCS) effort continues the development of required capability while maintaining consistency and compatibility with the existing tactical software. This includes concept development and systems engineering; software requirements and requirements updates; and Independent Validation and Verification. Hardware obsolescence alleviation and technology refresh are required components to this effort. Technology refresh efforts will be required for the service life of the TCS and BCP. Training assets in the form of Laptop and RT3 workstations will be procured to assist with institutional training for TCS and BCP operators. In addition, training BCP shelters will be procured to assist with the institutional training requirements for maintaining the BCP shelters, power generation and Environmental Control Unit (ECU).
- (4)The Patriot Modernized Manstation (MMS) modification will provide the user with the latest technology: flat screen, color monitor, touch screen, and improved graphical user interface. The Radar Digital Processor (RDP) modification will enable full capability of the AN/TPX-57 IFF to include Mode 5 level 1, 2 and Combat ID implementation. Supports follow-on to counter emerging threats and support growth to netted sensor. The Patriot communications system upgrades will provide a modern IP capability. This permits Patriot to interface directly to DoD netcentric systems including WIN-T, satellite systems, provide troposcatter capabilities within the battalions for Beyond Line of Sight (BLoS) deployments, provide Voice over IP (VoIP), and collaborative capabilities for Patriot permitting worldwide access for Force Operations voice and data exchange and enhanced internal Engagement Operations capabilities as part of integrated air and missile defense.

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10	P-1 Line Item Nomenclature: C50700 - Patriot Mods	Modification Nomenclature (<i>Modification Title, Modification Number</i>): PATRIOT MODS - Various

Models of Systems Affected: Various	Type Modification: Various	Related RDT&E PEs:
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⁽⁵⁾These upgrades are necessary to upgrade school assets to Configuration 3.

4 ELES Admin Lead Time: 6 months. Production Lead Time: 18 months Contract Date: 12/2013 Delivery: 6/2015
 4 Radar Kits ALT: 6 months. PLT: 18 months Contract Date: 12/2014 Delivery: 6/2016
 3 ECS ALT: 6 months PLT: 18 months Contract Date: 12/2015 Delivery: 6/2017

⁽⁶⁾These modifications are necessary to upgrade a PAC-2 Launcher to a PAC-3 Capability.

⁽⁷⁾Radar Upgrade and Reliability Enhancement Program.

Manufacturer Information: RAM Mods							
Manufacturer Name: various				Manufacturer Location: various			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 6			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Dec 2010		Dec 2012	Dec 2013	Dec 2014		
Delivery Dates	Jun 2011		Jun 2013	Jun 2014	Jun 2015		

Manufacturer Information: Recapitalization							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 12			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Apr 2011	Apr 2012	Apr 2013	Apr 2014	Apr 2015	Apr 2016	Apr 2017
Delivery Dates	Apr 2012	Apr 2013	Apr 2014	Apr 2015	Apr 2016	Apr 2017	Apr 2018

Manufacturer Information: BCP/TCS							
Manufacturer Name: various				Manufacturer Location: various			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Sep 2011	Sep 2012	Sep 2013				
Delivery Dates	Sep 2011	Sep 2012	Sep 2013				

Manufacturer Information: Patriot Modernization							
Manufacturer Name: various				Manufacturer Location: various			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 18			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Mar 2012	Mar 2013	Mar 2014	Mar 2015	Mar 2016	
Delivery Dates		Oct 2014	Oct 2015	Jan 2015	Jan 2016	Mar 2017	

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10	P-1 Line Item Nomenclature: C50700 - Patriot Mods	Modification Nomenclature (<i>Modification Title, Modification Number</i>): PATRIOT MODS - Various

Models of Systems Affected: Various	Type Modification: Various	Related RDT&E PEs:
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Manufacturer Information: ADA School Upgrades/TADSS

Manufacturer Name: various	Manufacturer Location: various
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Administrative Leadtime (<i>in Months</i>): 6	Production Leadtime (<i>in Months</i>): 18
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Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates				Dec 2013	Dec 2014	Dec 2015	Dec 2016
Delivery Dates				Jun 2015	Jun 2016	Jun 2017	Jun 2018

Manufacturer Information: Enhanced Launcher Electronics System (ELES)

Manufacturer Name: various	Manufacturer Location: various
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Administrative Leadtime (<i>in Months</i>): 6	Production Leadtime (<i>in Months</i>): 18
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Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates						Dec 2015	Dec 2016
Delivery Dates						Jul 2017	Jul 2018

Manufacturer Information: Radar Enhancement Phase 4

Manufacturer Name: various	Manufacturer Location: various
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Administrative Leadtime (<i>in Months</i>): 6	Production Leadtime (<i>in Months</i>): 24
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Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates							
Delivery Dates							

Installation: RAM Mods	Method of Implementation: various	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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	5,663	24.800	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	262	1.900	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	305	2.300	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	54	0.000	0	0.000	54	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10		P-1 Line Item Nomenclature: C50700 - Patriot Mods
Modification Nomenclature (Modification Title, Modification Number): PATRIOT MODS - Various		

Models of Systems Affected: Various	Type Modification: Various	Related RDT&E PEs:
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Installation: RAM Mods	Method of Implementation: various	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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)
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	5,925	26.700	305	2.300	0	0.000	54	0.000	0	0.000	54	0.000

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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	0.000	0	0.000	0	0.000	0	0.000	5,663	24.800
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	262	1.900
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	305	2.300
FY 2013	54	0.000	0	0.000	0	0.000	0	0.000	0	0.000	108	0.000
FY 2014	44	0.000	42	0.000	0	0.000	0	0.000	0	0.000	86	0.000
FY 2015	0	0.000	48	0.000	42	0.000	0	0.000	0	0.000	90	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	7,599	0.000	7,599	0.000
Total	98	0.000	90	0.000	42	0.000	0	0.000	7,599	0.000	14,113	29.000

Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		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			
In	5,795	65	65	77	77	76	75	0	0	0	0	27	27	27	27	22	22	22	20	24	24	24	18	0	0	0	0	0	0	0	7,599	14,113
Out	5,731	66	65	65	77	77	76	75	0	0	0	0	27	27	27	27	22	22	20	20	24	24	24	18	0	0	0	0	0	0	7,599	14,113

Installation: Recapitalization	Method of Implementation: Various	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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	8	21.200	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	1	1.200	0	0.000	0	0.000	0	0.000	0	0.000

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10		P-1 Line Item Nomenclature: C50700 - Patriot Mods
Modification Nomenclature (Modification Title, Modification Number): PATRIOT MODS - Various		

Models of Systems Affected: Various	Type Modification: Various	Related RDT&E PEs:
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Installation: Recapitalization	Method of Implementation: Various	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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)
FY 2013	0	0.000	0	0.000	1	0.900	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	1	1.000	0	0.000	1	1.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	231.800	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	8	253.000	1	1.200	1	0.900	1	1.000	0	0.000	1	1.000

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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	0.000	0	0.000	0	0.000	0	0.000	8	21.200
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	1	1.200
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	1	0.900
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	1	1.000
FY 2015	1	1.000	0	0.000	0	0.000	0	0.000	0	0.000	1	1.000
FY 2016	0	0.000	1	1.000	0	0.000	0	0.000	0	0.000	1	1.000
FY 2017	0	0.000	0	0.000	1	1.000	0	0.000	0	0.000	1	1.000
To Complete	0	0.000	0	0.000	0	0.000	1	0.000	1	1.000	2	232.800
Total	1	1.000	1	1.000	1	1.000	1	0.000	1	1.000	16	260.100

Installation Schedule																															
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
	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			
In	8	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	1	16
Out	8	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	2	16

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10	P-1 Line Item Nomenclature: C50700 - Patriot Mods	Modification Nomenclature (<i>Modification Title, Modification Number</i>): PATRIOT MODS - Various

Models of Systems Affected: Various	Type Modification: Various	Related RDT&E PEs:
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Installation: BCP/TCS	Method of Implementation: various	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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	1,324.130	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	1,324.130	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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	0.000	0	0.000	0	0.000	0	0.000	0	1,324.130
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	1,324.130

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10		P-1 Line Item Nomenclature: C50700 - Patriot Mods
Modification Nomenclature (Modification Title, Modification Number): PATRIOT MODS - Various		

Models of Systems Affected: Various	Type Modification: Various	Related RDT&E PEs:
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Installation: BCP/TCS	Method of Implementation: various	Installation Name:
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Installation Schedule																																			
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot				
		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						
In	27	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	0	0	0	0
Out	27	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	0	0	0	0

Installation: Patriot Modernization	Method of Implementation: various	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	37	0.000	0	0.000	0	0.000	0	0.000	0	0.000	37	0.000
FY 2013	0	0.000	72	0.000	0	0.000	0	0.000	0	0.000	72	0.000
FY 2014	0	0.000	0	0.000	65	0.000	0	0.000	0	0.000	65	0.000
FY 2015	0	0.000	0	0.000	0	0.000	1	0.000	0	0.000	1	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

UNCLASSIFIED

Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10		P-1 Line Item Nomenclature: C50700 - Patriot Mods
Modification Nomenclature (Modification Title, Modification Number): PATRIOT MODS - Various		

Models of Systems Affected: Various	Type Modification: Various	Related RDT&E PEs:
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Installation: Patriot Modernization	Method of Implementation: various	Installation Name:
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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)
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	37	0.000	72	0.000	65	0.000	1	0.000	0	0.000	175	0.000

Installation Schedule		FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot		
	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				
In	-	0	0	0	0	0	0	0	0	0	0	0	0	4	11	11	11	15	19	19	19	19	19	16	15	15	0	1	0	0	0	0	175
Out	-	0	0	0	0	0	0	0	0	0	0	0	0	0	4	11	11	11	15	19	19	19	19	19	16	15	15	0	1	0	0	0	175

Installation: ADA School Upgrades/TADSS	Method of Implementation: various	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

UNCLASSIFIED

Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10		P-1 Line Item Nomenclature: C50700 - Patriot Mods
Modification Nomenclature (Modification Title, Modification Number): PATRIOT MODS - Various		

Models of Systems Affected: Various	Type Modification: Various	Related RDT&E PEs:
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Installation: ADA School Upgrades/TADSS	Method of Implementation: various	Installation Name:
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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)
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	3	0.000	0	0.000	0	0.000	0	0.000	0	0.000	3	0.000
FY 2015	1	0.000	3	0.000	0	0.000	0	0.000	0	0.000	4	0.000
FY 2016	0	0.000	1	0.000	3	0.000	0	0.000	0	0.000	4	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	4	0.000	4	0.000	3	0.000	0	0.000	0	0.000	11	0.000

Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		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			
In	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	2	1	1	0	2	1	0	0	0	0	0	0	11
Out	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	2	1	1	0	2	1	0	0	0	0	0	11

Installation: Enhanced Launcher Electronics System (ELES)	Method of Implementation: various	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

UNCLASSIFIED

Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10		P-1 Line Item Nomenclature: C50700 - Patriot Mods
		Modification Nomenclature (Modification Title, Modification Number): PATRIOT MODS - Various
Models of Systems Affected: Various	Type Modification: Various	Related RDT&E PEs:

Installation: Enhanced Launcher Electronics System (ELES)		Method of Implementation: various						Installation Name:					
Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	
All Prior Years	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
FY 2017	0	0.000	0	0.000	0	0.000	36	0.000	0	0.000	36	0.000	
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	26	0.000	26	0.000	
Total	0	0.000	0	0.000	0	0.000	36	0.000	26	0.000	62	0.000	

Installation Schedule																																			
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot				
		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						
In	-	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	9	9	9	9	9	62
Out	-	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	9	9	9	9	9	62

Installation: Radar Enhancement Phase 4		Method of Implementation: various						Installation Name:					
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	
All Prior Years	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	

UNCLASSIFIED

Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10		P-1 Line Item Nomenclature: C50700 - Patriot Mods
Modification Nomenclature (Modification Title, Modification Number): PATRIOT MODS - Various		

Models of Systems Affected: Various	Type Modification: Various	Related RDT&E PEs:
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Installation: Radar Enhancement Phase 4	Method of Implementation: various	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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)
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	7	0.000	7	0.000
Total	0	0.000	0	0.000	0	0.000	0	0.000	7	0.000	7	0.000

Installation Schedule																																			
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot				
		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						
In	-	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	0	0	7	7
Out	-	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	0	0	7	7

UNCLASSIFIED

Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity:
2032A : Missile Procurement, Army / BA 3 : Modification of Missiles / BSA 10 :
Modifications

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

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

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	13.281	13.577	-	-	-	-	-	-	-	0.000	26.858
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	13.281	13.577	-	-	-	-	-	-	-	0.000	26.858
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	13.281	13.577	-	-	-	-	-	-	-	0.000	26.858

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

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

Description:

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 is replacing all of the United States Marine Corps (USMC) ground TOW systems, and it 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).

	Secondary Distribution	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active	Quantity	-	-	-	-	-
	Total Obligation Authority	13.281	13.577	-	-	-

Justification:

There are no FY 2013 Base Procurement dollars.

UNCLASSIFIED

Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity:
2032A : Missile Procurement, Army / BA 3 : Modification of Missiles / BSA 10 :
Modifications

P-1 Line Item Nomenclature:
C67500 - MLRS Mods

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

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
	Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	367.063	8.170	8.236	2.466	-	2.466	11.571	86.333	62.024	10.705	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	367.063	8.170	8.236	2.466	-	2.466	11.571	86.333	62.024	10.705	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	367.063	8.170	8.236	2.466	-	2.466	11.571	86.333	62.024	10.705	Continuing	Continuing

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

Initial Spares (\$ in Millions)	22.513	1.008	1.031	1.064	-	1.064	1.083	1.087	1.076	1.095	Continuing	Continuing
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

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 complimented 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.

Secondary Distribution		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017
Army Active	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	8.170	8.236	2.434	-	2.434	9.287	71.539	61.176	10.705
Army National Guard	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	0.032	-	0.032	2.284	14.794	0.848	-

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Multiple Launch Rocket System (MLRS) Modifications - 000	P3A		-	-	367.063	-	-	8.170	-	-	8.236	-	-	2.466	-	-	-	-	-	2.466
Total Gross/Weapon System Cost					367.063			8.170			8.236			2.466			-			2.466

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A : Missile Procurement, Army / BA 3 : Modification of Missiles / BSA 10 : Modifications	P-1 Line Item Nomenclature: C67500 - MLRS Mods
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:									Other Related Program Elements:								
Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Multiple Launch Rocket System (MLRS) Modifications - 000	P3A		-	-	11.571	-	-	86.333	-	-	62.024	-	-	10.705	-	-	-	-	-	-
Total Gross/Weapon System Cost					11.571			86.333			62.024			10.705			-			-

*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.

Justification:
 FY 2013 Base procurement dollars in the amount of \$2.466 million procures Enhanced Command and Control (C2), M993A1 Carrier Upgrades, Obsolescence Mitigation/Engineering Change Proposal Integration to include measures for other hardware and software required in support of launcher upgrades. The MLRS product improvement program provides funding for integration efforts to the MLRS necessary for obsolescence mitigation, reliability improvements, incorporation of system hardware and software technologies.

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Exhibit P-3A, Individual Modification: PB 2013 Army							Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10				P-1 Line Item Nomenclature: C67500 - MLRS Mods			Modification Nomenclature <i>(Modification Title, Modification Number):</i> Multiple Launch Rocket System (MLRS) Modifications - 000					

Models of Systems Affected: M270A1			Type Modification: .				Related RDT&E PEs:					
Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	367.063	8.170	8.236	2.466	-	2.466	11.571	86.333	62.024	10.705	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	367.063	8.170	8.236	2.466	-	2.466	11.571	86.333	62.024	10.705	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	367.063	8.170	8.236	2.466	-	2.466	11.571	86.333	62.024	10.705	Continuing	Continuing

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

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

Description:
Modifications of the MLRS System

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Exhibit P-3A, Individual Modification: PB 2013 Army										Date: February 2012			
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10					P-1 Line Item Nomenclature: C67500 - MLRS Mods					Modification Nomenclature (<i>Modification Title, Modification Number</i>): Multiple Launch Rocket System (MLRS) Modifications - 000			
Models of Systems Affected: M270A1				Type Modification: .				Related RDT&E PEs:					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	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													
Inactive Mods													
A Kits													
Recurring													
Kit Quantity	0	291.700	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
<i>Subtotal Recurring</i>		291.700		0.000		0.000		0.000		0.000		0.000	
<i>Total, Inactive Mods</i>	0	291.700	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
M993A1 ⁽¹⁾													
A Kits													
Recurring													
Kit Quantity	0	4.233	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
Installation Kits	0	0.000	0	0.300	0	0.000	0	0.000	0	0.000	0	0.000	
<i>Subtotal Recurring</i>		4.233		0.300		0.000		0.000		0.000		0.000	
<i>Total, M993A1</i>	0	4.233	0	0.300	0	0.000	0	0.000	0	0.000	0	0.000	
Global Positioning System (GPS) Upgrades ⁽²⁾													
A Kits													
Recurring													
Installation Kits	0	0.230	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
<i>Subtotal Recurring</i>		0.230		0.000		0.000		0.000		0.000		0.000	
<i>Total, Global Positioning System (GPS) Upgrades</i>	0	0.230	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
Obsolescence Mitigations/ECP Reliability Intg ⁽³⁾													
A Kits													
Recurring													
Equipment	0	30.500	0	3.270	0	1.544	0	0.536	0	0.000	0	0.536	
<i>Subtotal Recurring</i>		30.500		3.270		1.544		0.536		0.000		0.536	
<i>Total, Obsolescence Mitigations/ECP Reliability Intg</i>	0	30.500	0	3.270	0	1.544	0	0.536	0	0.000	0	0.536	
Auxiliary Power Unit/Environmental Control Unit ⁽⁴⁾													

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Exhibit P-3A, Individual Modification: PB 2013 Army								Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10				P-1 Line Item Nomenclature: C67500 - MLRS Mods				Modification Nomenclature (<i>Modification Title, Modification Number</i>): Multiple Launch Rocket System (MLRS) Modifications - 000					
Models of Systems Affected: M270A1				Type Modification: .				Related RDT&E PEs:					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	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													
Installation Kits	0	1.800	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
Equipment	0	9.500	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
Other	0	1.200	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
<i>Subtotal Recurring</i>		12.500		0.000		0.000		0.000		0.000		0.000	
<i>Total, Auxiliary Power Unit/Environmental Control Unit</i>	0	12.500	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
Enhanced Command and Control (C2) ⁽⁵⁾													
A Kits													
Recurring													
Equipment	125	13.200	37	3.900	54	5.800	9	0.966	0	0.000	9	0.966	
<i>Subtotal Recurring</i>		13.200		3.900		5.800		0.966		0.000		0.966	
<i>Total, Enhanced Command and Control (C2)</i>	125	13.200	37	3.900	54	5.800	9	0.966	0	0.000	9	0.966	
Improved Armored Cab (IAC) ⁽⁶⁾													
A Kits													
Recurring													
Equipment	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		0.000	
<i>Total, Improved Armored Cab (IAC)</i>	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
Fire Control System (FCS) Upgrade ⁽⁷⁾													
A Kits													
Recurring													
Equipment	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		0.000	
<i>Total, Fire Control System (FCS) Upgrade</i>	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	
Drivers Vision Enhancements(DVE) ⁽⁸⁾													
A Kits													

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10	P-1 Line Item Nomenclature: C67500 - MLRS Mods	Modification Nomenclature (<i>Modification Title, Modification Number</i>): Multiple Launch Rocket System (MLRS) Modifications - 000

Models of Systems Affected: M270A1	Type Modification: .	Related RDT&E PEs:										
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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)
Recurring												
Equipment	0	6.800	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
<i>Subtotal Recurring</i>		6.800		0.000		0.000		0.000		0.000		0.000
<i>Total, Drivers Vision Enhancements(DVE)</i>	0	6.800	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total, All Modifications		359.163		7.470		7.344		1.502		0.000		1.502
<i>Procurement Cost (Procurement + Support)</i>		359.163		7.470		7.344		1.502		0.000		1.502
<i>Total Installation Cost</i>		7.900		0.700		0.892		0.964		0.000		0.964
Total Cost (Procurement + Support + Installation)		367.063		8.170		8.236		2.466		0.000		2.466

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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												
Inactive Mods												
A Kits												
Recurring												
Kit Quantity	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	291.700
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		291.700
<i>Total, Inactive Mods</i>	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	291.700
M993A1 ⁽¹⁾												
A Kits												
Recurring												
Kit Quantity	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	4.233
Installation Kits	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.300
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		4.533
<i>Total, M993A1</i>	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	4.533
Global Positioning System (GPS) Upgrades ⁽²⁾												
A Kits												

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Exhibit P-3A, Individual Modification: PB 2013 Army									Date: February 2012			
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10				P-1 Line Item Nomenclature: C67500 - MLRS Mods					Modification Nomenclature (<i>Modification Title, Modification Number</i>): Multiple Launch Rocket System (MLRS) Modifications - 000			
Models of Systems Affected: M270A1			Type Modification: .					Related RDT&E PEs:				
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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)
Recurring												
Installation Kits	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.230
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		0.230
<i>Total, Global Positioning System (GPS) Upgrades</i>	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.230
Obsolescence Mitigations/ECP Reliability Intg ⁽³⁾												
A Kits												
Recurring												
Equipment	0	7.576	0	7.270	0	4.845	0	0.425	0	0.000	0	55.966
<i>Subtotal Recurring</i>		7.576		7.270		4.845		0.425		0.000		55.966
<i>Total, Obsolescence Mitigations/ECP Reliability Intg</i>	0	7.576	0	7.270	0	4.845	0	0.425	0	0.000	0	55.966
Auxiliary Power Unit/Environmental Control Unit ⁽⁴⁾												
A Kits												
Recurring												
Installation Kits	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	1.800
Equipment	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	9.500
Other	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	1.200
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		12.500
<i>Total, Auxiliary Power Unit/Environmental Control Unit</i>	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	12.500
Enhanced Command and Control (C2) ⁽⁵⁾												
A Kits												
Recurring												
Equipment	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	225	23.866
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		23.866
<i>Total, Enhanced Command and Control (C2)</i>	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	225	23.866
Improved Armored Cab (IAC) ⁽⁶⁾												
A Kits												
Recurring												

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10	P-1 Line Item Nomenclature: C67500 - MLRS Mods	Modification Nomenclature (<i>Modification Title, Modification Number</i>): Multiple Launch Rocket System (MLRS) Modifications - 000

Models of Systems Affected: M270A1	Type Modification: .	Related RDT&E PEs:
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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)
Equipment	13	3.851	57	16.642	61	17.792	16	4.652	78	22.255	225	65.192
<i>Subtotal Recurring</i>		3.851		16.642		17.792		4.652		22.255		65.192
<i>Total, Improved Armored Cab (IAC)</i>	13	3.851	57	16.642	61	17.792	16	4.652	78	22.255	225	65.192
Fire Control System (FCS) Upgrade ⁽⁷⁾												
A Kits												
Recurring												
Equipment	0	0.000	57	62.057	33	36.936	3	3.345	132	131.458	225	233.796
<i>Subtotal Recurring</i>		0.000		62.057		36.936		3.345		131.458		233.796
<i>Total, Fire Control System (FCS) Upgrade</i>	0	0.000	57	62.057	33	36.936	3	3.345	132	131.458	225	233.796
Drivers Vision Enhancements(DVE) ⁽⁸⁾												
A Kits												
Recurring												
Equipment	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	6.800
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		6.800
<i>Total, Drivers Vision Enhancements(DVE)</i>	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	6.800
<i>Total, All Modifications</i>		11.427		85.969		59.573		8.422		153.713		694.583
<i>Procurement Cost (Procurement + Support)</i>		11.427		85.969		59.573		8.422		153.713		694.583
<i>Total Installation Cost</i>		0.144		0.364		2.451		2.283		4.667		20.365
Total Cost (Procurement + Support + Installation)		11.571		86.333		62.024		10.705		158.380		714.948

Remarks:

⁽¹⁾Subsequent to the fielding of the M270A1 Launcher, the vehicle subsystem, the M993A1 Carrier has seen the need for several reliability changes. In order to reduce system failures and improve overall reliability, modifications are required to upgrade the engine compartment fire sensor, windshield washer check valve, engine spin-on oil filter, improved secondary drive generator belt, Improved Electronics Distribution Box (IEDB) cold start improvements, primary generator arcing, APU wiring harness, relay replacement, and circuit breaker protection. These modifications are planned for application to 225 M993A1 Carriers.

⁽²⁾N/A

⁽³⁾Obsolescence dictates the replacement of many launcher components. Because of rapid electronic obsolescence, this program provides modification plans for further replacement of launcher electronic components. Circuit cards in the Line Replacement Units are rapidly approaching obsolescence. Funding on this program is necessary to procure updated components, modification kits, and the installation efforts to update M270A1 systems which can no longer find components necessary to replace parts that are unavailable due to obsolescence. This rapid advancing technology within the commercial computer

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Exhibit P-3A, Individual Modification: PB 2013 Army				Date: February 2012			
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10			P-1 Line Item Nomenclature: C67500 - MLRS Mods			Modification Nomenclature <i>(Modification Title, Modification Number):</i> Multiple Launch Rocket System (MLRS) Modifications - 000	
Models of Systems Affected: M270A1			Type Modification: .			Related RDT&E PEs:	
<p>technology market today has provided the M270A1 Improved Fire Control System (IFCS) with obsolescence issues particularly with respect to computer processing power. The current inability to buy DoD approved components marking up the Power Personal Computer 2 Executive Processor (PPC2EP) card has partly necessitated a fire control system change to IFCS.</p> <p>(4) An Auxiliary Power Unit/Environmental Control Unit (APU/ECU) system has been requested by the user as a direct result of the Manpower and Personnel Integration (MANPRINT) deficiencies identified at the M270A1 Initial Operational Test and Evaluation (IOTE). Significant electric power distribution, management, and power storage problems have occurred over the previous years between the launcher subsystem and the carrier subsystem facilitating a need to provide auxiliary electrical power to the launcher vehicle. In addition, due to the cab of the M270/M270A1 Launcher being sealed during firing and potential launch operation, there is a need to provide environmental control for crew comfort and efficiency. Digitization equipment changes have added additional electronic equipment which requires additional power and measures for reducing heat within the cab.</p> <p>(5) The current on-board fire control system for the M270A1 Launcher lacks the necessary Enhanced Command and Control (C2) functions to meet the product improvements requirement that counters emerging threat. This requirement results in increased operational flexibility with the ability to reduce the fire support footprint, and reduce the sensor-to-shoot timeline. This increased capability will eliminate the need for Field Artillery C2 nodes in close proximity to launchers, allow timely precision strikes, and be capable of integrating with Joint assets. The effort also provides increased situational awareness on the battlefield. This enhancement will consist of adding High Frequency (HF) radios and other C2 components.</p> <p>(6) The Improved Armored Cab (IAC) effort fulfills a M270A1 system requirement that incorporates the same level of crew protection capability as the HIMARS Increased Crew Protection (ICP) cab. The protection level afforded the weapon system crew in the current cab is insufficient against current and evolving threats. The IAC will enhance crew protection to meet mandated requirements, including technologies to protect against ballistic projectiles and explosive ordnance (e.g. IEDs). Approved procurement funding starting in FY14 procures the IAC for integration onto existing M270A1 vehicles. Integration will commence in FY2015. Development EMD of the IAC will commence in FY2012 and continue for 36 months. A production award for 225 IAC units will be completed in FY14, with the first IAC delivery occurring in FY2015. Initial delivery is >12 months due to facilitization and start-up. Installation of the IAC will begin in 4Q FY2015.</p> <p>(7) The Fire Control System Upgrade (FCS-U) effort replaces the current FCS due to obsolescence of electronic components. The FCS-U preserves current capabilities of firing the complete set of MFOM, and is capable of adding other munitions and fire control functions as they are identified through its open architecture. The FCS-U will minimize redesign of multiple logic cards when a component (i.e. processor) becomes obsolete in the future.</p> <p>Development of the FCS-U will commence in FY13 and continue for 36 months. A production award for 225 FCS-U sets of hardware will be completed in FY2015, with the first FCS-U delivery occurring in FY2016. Installation of the FCS-U will begin in 1Q FY2016.</p> <p>(8) The Drivers Vision Enhancements (DVE) modification utilizes a vehicle mounted thermal vehicle sensor and driver's display that significantly improves the crews survivability and situational awareness. The DVE displays thermal contrast among objects and can deliver accurate images through dust, smoke, fog, or darkness. Troops equipped with DVE can easily detect personnel, vehicles, road hazards, and threat activity.</p>							
Manufacturer Information: Inactive Mods							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime <i>(in Months)</i> :				Production Leadtime <i>(in Months)</i> :			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates							
Delivery Dates							
Manufacturer Information: M993A1							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime <i>(in Months)</i> : 3				Production Leadtime <i>(in Months)</i> : 6			

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Exhibit P-3A, Individual Modification: PB 2013 Army						Date: February 2012	
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10			P-1 Line Item Nomenclature: C67500 - MLRS Mods			Modification Nomenclature (<i>Modification Title, Modification Number</i>): Multiple Launch Rocket System (MLRS) Modifications - 000	
Models of Systems Affected: M270A1			Type Modification: .			Related RDT&E PEs:	
Manufacturer Information: M993A1							
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates							
Delivery Dates							
Manufacturer Information: Global Positioning System (GPS) Upgrades							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates							
Delivery Dates							
Manufacturer Information: Obsolescence Mitigations/ECP Reliability Intg							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates							
Delivery Dates							
Manufacturer Information: Auxiliary Power Unit/Environmental Control Unit							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 13			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates							
Delivery Dates							
Manufacturer Information: Enhanced Command and Control (C2)							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 9			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Jan 2011	Jan 2012	Jan 2013				
Delivery Dates	Oct 2011	Oct 2012	Oct 2013				
Manufacturer Information: Improved Armored Cab (IAC)							
Manufacturer Name: TBD				Manufacturer Location: TBD			

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10	P-1 Line Item Nomenclature: C67500 - MLRS Mods	Modification Nomenclature (<i>Modification Title, Modification Number</i>): Multiple Launch Rocket System (MLRS) Modifications - 000

Models of Systems Affected: M270A1	Type Modification: .	Related RDT&E PEs:
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Manufacturer Information: Improved Armored Cab (IAC)

Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 9			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates				Jan 2014	Jan 2015	Jan 2016	Jan 2017
Delivery Dates				Oct 2014	Oct 2015	Oct 2016	Oct 2016

Manufacturer Information: Fire Control System (FCS) Upgrade

Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 9			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates					Jan 2015	Jan 2016	Jan 2017
Delivery Dates					Oct 2015	Oct 2016	Oct 2017

Manufacturer Information: Drivers Vision Enhancements(DVE)

Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 9			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Jan 2010						
Delivery Dates	Oct 2010						

Installation: Inactive Mods **Method of Implementation: TBD** **Installation Name:**

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10		P-1 Line Item Nomenclature: C67500 - MLRS Mods
Modification Nomenclature (Modification Title, Modification Number): Multiple Launch Rocket System (MLRS) Modifications - 000		

Models of Systems Affected: M270A1	Type Modification: .	Related RDT&E PEs:
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Installation: Inactive Mods	Method of Implementation: TBD	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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)
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		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		
In	-	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
Out	-	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

Installation: M993A1		Method of Implementation: TBD		Installation Name:								
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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	2.600	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.200	0	0.000	0	0.000	0	0.000	0	0.000

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10		P-1 Line Item Nomenclature: C67500 - MLRS Mods
Modification Nomenclature (Modification Title, Modification Number): Multiple Launch Rocket System (MLRS) Modifications - 000		

Models of Systems Affected: M270A1	Type Modification: .	Related RDT&E PEs:
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Installation: M993A1	Method of Implementation: TBD	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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)
FY 2012	0	0.000	0	0.000	0	0.300	0	0.100	0	0.000	0	0.100
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	2.600	0	0.200	0	0.300	0	0.100	0	0.000	0	0.100

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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	0.000	0	0.000	0	0.000	0	0.000	0	2.600
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.200
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.400
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	3.200

Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		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			
In	225	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	225
Out	225	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	225

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10	P-1 Line Item Nomenclature: C67500 - MLRS Mods	Modification Nomenclature (<i>Modification Title, Modification Number</i>): Multiple Launch Rocket System (MLRS) Modifications - 000

Models of Systems Affected: M270A1	Type Modification: .	Related RDT&E PEs:
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Installation: Global Positioning System (GPS) Upgrades	Method of Implementation: TBD	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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	0.200	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.200	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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	0.000	0	0.000	0	0.000	0	0.000	0	0.200
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.200

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10	P-1 Line Item Nomenclature: C67500 - MLRS Mods	Modification Nomenclature (<i>Modification Title, Modification Number</i>): Multiple Launch Rocket System (MLRS) Modifications - 000

Models of Systems Affected: M270A1	Type Modification: .	Related RDT&E PEs:
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Installation: Global Positioning System (GPS) Upgrades	Method of Implementation: TBD	Installation Name:
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Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		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		
In	-	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
Out	-	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

Installation: Obsolescence Mitigations/ECP Reliability Intg	Method of Implementation: TBD	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10		P-1 Line Item Nomenclature: C67500 - MLRS Mods
Modification Nomenclature (Modification Title, Modification Number): Multiple Launch Rocket System (MLRS) Modifications - 000		

Models of Systems Affected: M270A1	Type Modification: .	Related RDT&E PEs:
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Installation: Obsolescence Mitigations/ECP Reliability Intg	Method of Implementation: TBD	Installation Name:
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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)
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

Installation Schedule		FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	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		
In	-	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
Out	-	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

Installation: Auxiliary Power Unit/Environmental Control Unit	Method of Implementation: TBD	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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	3.100	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	3.100	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10		P-1 Line Item Nomenclature: C67500 - MLRS Mods
		Modification Nomenclature (<i>Modification Title, Modification Number</i>): Multiple Launch Rocket System (MLRS) Modifications - 000

Models of Systems Affected: M270A1	Type Modification: .	Related RDT&E PEs:
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Installation: Auxiliary Power Unit/Environmental Control Unit	Method of Implementation: TBD	Installation Name:
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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	0.000	0	0.000	0	0.000	0	0.000	0	3.100
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	3.100

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		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		
In	225	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
Out	225	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

Installation: Enhanced Command and Control (C2)	Method of Implementation: TBD	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	37	0.592	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	54	0.864	0	0.000	54	0.864
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

UNCLASSIFIED

Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10		P-1 Line Item Nomenclature: C67500 - MLRS Mods
Modification Nomenclature (Modification Title, Modification Number): Multiple Launch Rocket System (MLRS) Modifications - 000		

Models of Systems Affected: M270A1	Type Modification: .	Related RDT&E PEs:
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Installation: Enhanced Command and Control (C2)	Method of Implementation: TBD	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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)
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	125	2.000	0	0.000	37	0.592	54	0.864	0	0.000	54	0.864

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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	0.000	0	0.000	0	0.000	0	0.000	125	2.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	37	0.592
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	54	0.864
FY 2013	9	0.144	0	0.000	0	0.000	0	0.000	0	0.000	9	0.144
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	9	0.144	0	0.000	0	0.000	0	0.000	0	0.000	225	3.600

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		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		
In	125	0	0	0	0	9	9	9	10	13	13	14	14	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Out	125	0	0	0	0	0	0	19	18	0	19	19	16	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Installation: Improved Armored Cab (IAC)	Method of Implementation: TBD	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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	0.000	0	0.000	0	0.000	0	0.000	0	0.000

UNCLASSIFIED

Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10	P-1 Line Item Nomenclature: C67500 - MLRS Mods	Modification Nomenclature (<i>Modification Title, Modification Number</i>): Multiple Launch Rocket System (MLRS) Modifications - 000

Models of Systems Affected: M270A1	Type Modification: .	Related RDT&E PEs:
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Installation: Improved Armored Cab (IAC)	Method of Implementation: TBD	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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)
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	13	0.364	0	0.000	0	0.000	0	0.000	13	0.364
FY 2015	0	0.000	0	0.000	57	1.596	0	0.000	0	0.000	57	1.596
FY 2016	0	0.000	0	0.000	0	0.000	61	1.788	0	0.000	61	1.788
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	94	2.632	94	2.632
Total	0	0.000	13	0.364	57	1.596	61	1.788	94	2.632	225	6.380

UNCLASSIFIED

Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10	P-1 Line Item Nomenclature: C67500 - MLRS Mods	Modification Nomenclature (<i>Modification Title, Modification Number</i>): Multiple Launch Rocket System (MLRS) Modifications - 000

Models of Systems Affected: M270A1	Type Modification: .	Related RDT&E PEs:
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Installation: Improved Armored Cab (IAC)	Method of Implementation: TBD	Installation Name:
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Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		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		
In	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	8	0	0	14	14	14	15	15	15	15	16	94	225
Out	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	38	19	0	19	19	23	94	225

Installation: Fire Control System (FCS) Upgrade	Method of Implementation: TBD	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	57	0.855	0	0.000	0	0.000	57	0.855

UNCLASSIFIED

Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10		P-1 Line Item Nomenclature: C67500 - MLRS Mods
Modification Nomenclature (Modification Title, Modification Number): Multiple Launch Rocket System (MLRS) Modifications - 000		

Models of Systems Affected: M270A1	Type Modification: .	Related RDT&E PEs:
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Installation: Fire Control System (FCS) Upgrade	Method of Implementation: TBD	Installation Name:
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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)
FY 2016	0	0.000	0	0.000	0	0.000	33	0.495	0	0.000	33	0.495
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	3	0.100	3	0.100
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	132	1.935	132	1.935
Total	0	0.000	0	0.000	57	0.855	33	0.495	135	2.035	225	3.385

Installation Schedule		FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	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		
In	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14	14	15	8	8	8	9	135	225
Out	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	19	19	0	0	19	14	135	225

Installation: Drivers Vision Enhancements(DVE)	Method of Implementation: TBD	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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	0.500	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	0	0.500	0	0.000	0	0.000	0	0.000	0	0.000

UNCLASSIFIED

Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10		P-1 Line Item Nomenclature: C67500 - MLRS Mods
		Modification Nomenclature (<i>Modification Title, Modification Number</i>): Multiple Launch Rocket System (MLRS) Modifications - 000

Models of Systems Affected: M270A1	Type Modification: .	Related RDT&E PEs:
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Installation: Drivers Vision Enhancements(DVE)	Method of Implementation: TBD	Installation Name:
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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	0.000	0	0.000	0	0.000	0	0.000	0	0.500
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.500

Installation Schedule																																	
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot		
		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				
In	225	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	0	225
Out	225	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	0	225

UNCLASSIFIED

Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity:
2032A : Missile Procurement, Army / BA 3 : Modification of Missiles / BSA 10 : Modifications

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

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	39.149	11.670	6.068	-	6.068	6.105	6.073	6.318	6.335	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	39.149	11.670	6.068	-	6.068	6.105	6.073	6.318	6.335	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	39.149	11.670	6.068	-	6.068	6.105	6.073	6.318	6.335	Continuing	Continuing

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

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

Description:

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.

Secondary Distribution		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017
Army Active	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	30.690	6.050	3.576	-	3.576	3.614	3.637	3.738	3.748
Army National Guard	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	8.459	5.620	2.492	-	2.492	2.491	2.436	2.580	2.587

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
HIMARS Modifications - 0000	P3A		-	-	-	-	-	39.149	-	-	11.670	-	-	6.068	-	-	-	-	-	6.068
Total Gross/Weapon System Cost								39.149			11.670			6.068			-			6.068

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A : Missile Procurement, Army / BA 3 : Modification of Missiles / BSA 10 : Modifications
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

Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
HIMARS Modifications - 0000	P3A		-	-	6.105	-	-	6.073	-	-	6.318	-	-	6.335	-	-	-	-	-	-
Total Gross/Weapon System Cost					6.105			6.073			6.318			6.335			-			-

*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.

Justification:
 FY 2013 Base procurement dollars in the amount of \$6.068 million supports the installation fielding of the ICP Cab, Enhanced Command and Control (C2), and the continuation of the hardware/software obsolescence mitigation and reliability enhancement programs.

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Exhibit P-3A, Individual Modification: PB 2013 Army							Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10				P-1 Line Item Nomenclature: C67501 - HIMARS Modifications				Modification Nomenclature (<i>Modification Title, Modification Number</i>): HIMARS Modifications - 0000				
Models of Systems Affected: M142 High Mobility Artillery Rocket System			Type Modification: Operational, Reliability, Safety, Crew Survivability				Related RDT&E PEs:					

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	39.149	11.670	6.068	-	6.068	6.105	6.073	6.318	6.335	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	39.149	11.670	6.068	-	6.068	6.105	6.073	6.318	6.335	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	39.149	11.670	6.068	-	6.068	6.105	6.073	6.318	6.335	Continuing	Continuing

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

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

Description:

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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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10		P-1 Line Item Nomenclature: C67501 - HIMARS Modifications
Models of Systems Affected: M142 High Mobility Artillery Rocket System		Modification Nomenclature (Modification Title, Modification Number): HIMARS Modifications - 0000
Type Modification: Operational, Reliability, Safety, Crew Survivability		Related RDT&E PEs:

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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) ⁽¹⁾												
A Kits												
Recurring												
Equipment	0	0.000	23	1.500	0	0.000	0	0.000	0	0.000	0	0.000
<i>Subtotal Recurring</i>		0.000		1.500		0.000		0.000		0.000		0.000
<i>Total, Enhanced Command and Control (C2)</i>	0	0.000	23	1.500	0	0.000	0	0.000	0	0.000	0	0.000
Increased Crew Protection (ICP) Cab ⁽²⁾												
A Kits												
Recurring												
Kit Quantity	0	0.000	104	2.900	66	1.800	0	0.000	0	0.000	0	0.000
<i>Subtotal Recurring</i>		0.000		2.900		1.800		0.000		0.000		0.000
<i>Total, Increased Crew Protection (ICP) Cab</i>	0	0.000	104	2.900	66	1.800	0	0.000	0	0.000	0	0.000
Reliability Obsolescence Mitigation (MOD 4)												
A Kits												
Recurring												
Equipment	0	0.000	0	31.749	0	7.070	0	5.055	0	0.000	0	5.055
<i>Subtotal Recurring</i>		0.000		31.749		7.070		5.055		0.000		5.055
<i>Total, Reliability Obsolescence Mitigation (MOD 4)</i>	0	0.000	0	31.749	0	7.070	0	5.055	0	0.000	0	5.055
<i>Total, All Modifications</i>		0.000		36.149		8.870		5.055		0.000		5.055
<i>Procurement Cost (Procurement + Support)</i>		0.000		36.149		8.870		5.055		0.000		5.055
<i>Total Installation Cost</i>		0.000		3.000		2.800		1.013		0.000		1.013
Total Cost (Procurement + Support + Installation)		0.000		39.149		11.670		6.068		0.000		6.068

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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												

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10	P-1 Line Item Nomenclature: C67501 - HIMARS Modifications	Modification Nomenclature (<i>Modification Title, Modification Number</i>): HIMARS Modifications - 0000

Models of Systems Affected: M142 High Mobility Artillery Rocket System	Type Modification: Operational, Reliability, Safety, Crew Survivability	Related RDT&E PEs:
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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)
Enhanced Command and Control (C2) ⁽¹⁾												
A Kits												
Recurring												
Equipment	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	23	1.500
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		1.500
<i>Total, Enhanced Command and Control (C2)</i>	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	23	1.500
Increased Crew Protection (ICP) Cab ⁽²⁾												
A Kits												
Recurring												
Kit Quantity	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	170	4.700
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		4.700
<i>Total, Increased Crew Protection (ICP) Cab</i>	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	170	4.700
Reliability Obsolescence Mitigation (MOD 4)												
A Kits												
Recurring												
Equipment	0	5.395	0	6.073	0	6.318	0	6.335	0	204.749	0	272.744
<i>Subtotal Recurring</i>		5.395		6.073		6.318		6.335		204.749		272.744
<i>Total, Reliability Obsolescence Mitigation (MOD 4)</i>	0	5.395	0	6.073	0	6.318	0	6.335	0	204.749	0	272.744
<i>Total, All Modifications</i>		5.395		6.073		6.318		6.335		204.749		278.944
<i>Procurement Cost (Procurement + Support)</i>		5.395		6.073		6.318		6.335		204.749		278.944
<i>Total Installation Cost</i>		0.710		0.000		0.000		0.000		0.000		7.523
Total Cost (Procurement + Support + Installation)		6.105		6.073		6.318		6.335		204.749		286.467

Remarks:
⁽¹⁾The current on-board fire control system for the M142 HIMARS Launcher lacks the necessary Enhanced Command & Control (C2) functions to meet the product improvement requirement that counters emerging threat. This requirement results in increased operational flexibility with the ability to reduce the fire support footprint, and reduce the sensor-to-shooter timeline. This increased capability will eliminate the need for Field Artillery C2 nodes in close proximity to launchers, allow timely precision strikes, and be capable of integrating with Joint assets. The effort also provides increased situational awareness on the battlefield. This enhancement will consist of adding High Frequency (HF) radios and other C2 components.

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10	P-1 Line Item Nomenclature: C67501 - HIMARS Modifications	Modification Nomenclature (<i>Modification Title, Modification Number</i>): HIMARS Modifications - 0000

Models of Systems Affected: M142 High Mobility Artillery Rocket System	Type Modification: Operational, Reliability, Safety, Crew Survivability	Related RDT&E PEs:
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⁽²⁾The original M142 HIMARS launcher cab did not meet the updated Army policy to provide armor protection for all tacticle wheeled vehicles. The HIMARS vehicle and cab is a derivative of the Family of Medium Tactical Vehicles (FMTV) and the FMTV initial design required no ballistic protection to its vehicles. Based on the results of Operation Iraqi Freedom/Operation Enduring Freedom the need for the cab to be protected against specified threats was validated. In addition to common threats to tactical wheel vehicles, protection against the launcher blast and foreign object debris is also required. Without this modification the HIMARS crew will lack adequate crew protection from IEDs and other ballistic threats.

Manufacturer Information: Enhanced Command and Control (C2)

Manufacturer Name: TDB				Manufacturer Location: TDB			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 9			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Jan 2011						
Delivery Dates	Oct 2011						

Manufacturer Information: Increased Crew Protection (ICP) Cab

Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 9			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Sep 2011						
Delivery Dates	Sep 2011						

Manufacturer Information: Reliability Obsolescence Mitigation (MOD 4)

Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Feb 2012					
Delivery Dates		Feb 2012					

Installation: Enhanced Command and Control (C2) Method of Implementation: TDB Installation Name:

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	0	0.000	19	0.100	130	1.000	130	1.013	0	0.000	130	1.013
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10		P-1 Line Item Nomenclature: C67501 - HIMARS Modifications
Models of Systems Affected: M142 High Mobility Artillery Rocket System		Modification Nomenclature (Modification Title, Modification Number): HIMARS Modifications - 0000
Type Modification: Operational, Reliability, Safety, Crew Survivability		Related RDT&E PEs:

Installation: Enhanced Command and Control (C2)	Method of Implementation: TDB	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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)
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	19	0.100	130	1.000	130	1.013	0	0.000	130	1.013

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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	73	0.500	0	0.000	0	0.000	0	0.000	0	0.000	352	2.613
FY 2011	23	0.210	0	0.000	0	0.000	0	0.000	0	0.000	23	0.210
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	96	0.710	0	0.000	0	0.000	0	0.000	0	0.000	375	2.823

Installation Schedule																																	
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot		
		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				
In	352	23	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	0
Out	-	0	0	0	19	32	32	33	33	33	33	32	32	24	24	24	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10	P-1 Line Item Nomenclature: C67501 - HIMARS Modifications	Modification Nomenclature (<i>Modification Title, Modification Number</i>): HIMARS Modifications - 0000
Models of Systems Affected: M142 High Mobility Artillery Rocket System	Type Modification: Operational, Reliability, Safety, Crew Survivability	Related RDT&E PEs:

Installation: Increased Crew Protection (ICP) Cab		Method of Implementation: TBD				Installation Name:						
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	0	0.000	104	2.900	66	1.800	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	104	2.900	66	1.800	0	0.000	0	0.000	0	0.000

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	170	4.700
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	170	4.700

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10		P-1 Line Item Nomenclature: C67501 - HIMARS Modifications
Models of Systems Affected: M142 High Mobility Artillery Rocket System		Modification Nomenclature (Modification Title, Modification Number): HIMARS Modifications - 0000
Type Modification: Operational, Reliability, Safety, Crew Survivability		Related RDT&E PEs:

Installation: Increased Crew Protection (ICP) Cab	Method of Implementation: TBD	Installation Name:
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Installation Schedule		FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	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		
In	222	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
Out	52	28	19	19	38	38	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Installation: Reliability Obsolescence Mitigation (MOD 4)	Method of Implementation: TBD	Installation Name:
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	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	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	108	0.000	141	0.000	126	0.000	0	0.000	126	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	108	0.000	141	0.000	126	0.000	0	0.000	126	0.000

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2011	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2012	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	375	0.000
FY 2013	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2014	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2015	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

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Exhibit P-3A, Individual Modification: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 3 / BSA 10		P-1 Line Item Nomenclature: C67501 - HIMARS Modifications
Models of Systems Affected: M142 High Mobility Artillery Rocket System		Modification Nomenclature (Modification Title, Modification Number): HIMARS Modifications - 0000
Type Modification: Operational, Reliability, Safety, Crew Survivability		Related RDT&E PEs:

Installation: Reliability Obsolescence Mitigation (MOD 4)	Method of Implementation: TBD	Installation Name:
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	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)
FY 2016	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
FY 2017	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
To Complete	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Total	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	375	0.000

Installation Schedule		FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot		
	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				
In	-	27	27	27	27	35	35	35	36	31	31	32	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	375
Out	-	0	0	0	0	0	27	27	27	27	35	35	35	36	31	31	32	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	375

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity:
2032A : Missile Procurement, Army / BA 3 : Modification of Missiles / BSA 10 : Modifications

P-1 Line Item Nomenclature:
C71500 - HELLFIRE Modifications

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

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	20.569	0.008	-	-	-	-	-	-	-	-	0.000	20.577
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	20.569	0.008	-	-	-	-	-	-	-	-	0.000	20.577
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	20.569	0.008	-	-	-	-	-	-	-	-	0.000	20.577

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

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

Description:

The HELLFIRE family of air-to-ground missiles provides precision kill capability against heavy, advanced armor and individual hard point targets. Laser HELLFIRE uses semi-active laser terminal guidance and is the primary anti-tank armament of the AH 64 Apache, OH-58 Kiowa Warrior, and special operations helicopters. Longbow HELLFIRE is a missile system that provides the Army with a fire-and-forget, anti-armor capability for the Apache Longbow and future helicopters. The fire-and-forget Longbow HELLFIRE system greatly increases aircraft survivability and dramatically improves target acquisition and engagement capabilities in adverse weather when the battlefield is obscured (smoke, fog, dust), and when the threat is using countermeasures. The HELLFIRE modifications will convert the existing missile variants from the current configuration to a new variant to support the warfighters immediate operational requirements. These modifications could include, but would not be limited to, retro fits, warhead conversions, software modifications, modifications to systems performance and alternative platforms.

	Secondary Distribution	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active	Quantity	-	-	-	-	-
	Total Obligation Authority	0.008	-	-	-	-

Justification:

There is no funding for FY13.

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A : Missile Procurement, Army / BA 4 : Spares and Repair Parts / BSA 10 : Spares And Repair Parts
P-1 Line Item Nomenclature: CA0250 - Spares And Repair Parts

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

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
	Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2,992.817	19.458	8.700	7.864	-	7.864	7.922	6.934	7.036	7.157	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2,992.817	19.458	8.700	7.864	-	7.864	7.922	6.934	7.036	7.157	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,992.817	19.458	8.700	7.864	-	7.864	7.922	6.934	7.036	7.157	Continuing	Continuing

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

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

Description:

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

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
*** (See enclosed P-40A)	P40A				0.000			19.458			8.700			7.864			0.000			7.864
Total Gross/Weapon System Cost					2,992.817			19.458			8.700			7.864			-			7.864

*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.

Justification:

FY 13 Base procurement dollars in the amount of \$7.864 million procure 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 13 (\$M)
 MLRS Mods \$1.064
 Patriot Mods \$6.800
 Total \$7.864

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 4 / BSA 10 **P-1 Line Item Nomenclature:** CA0250 - Spares And Repair Parts **Aggregated Item Name:** Various

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
(Uncategorized)																			
CA0265 - MLRS MODIFICATION INITIAL SPARES		-	-	-	-	-	1.008	-	-	1.031	-	-	1.064	-	-	-	-	-	1.064
CA0267 - PATRIOT MODIFICATION INITIAL SPARES		-	-	-	-	-	6.953	-	-	6.732	-	-	6.800	-	-	-	-	-	6.800
CA0288 - INITIAL SPARES, HIMARS		-	-	-	-	-	9.651	-	-	0.937	-	-	-	-	-	-	-	-	-
CA0289 - HIMARS MODIFICATIONS: INITIAL SPARES		-	-	-	-	-	1.846	-	-	-	-	-	-	-	-	-	-	-	-
<i>Uncategorized Subtotal</i>				0.000			19.458			8.700			7.864			0.000			7.864
Total				0.000			19.458			8.700			7.864			0.000			7.864

Remarks:

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity:
2032A : Missile Procurement, Army / BA 5 : Support Equipment and Facilities / BSA
10 : Support Equipment & Facilities

P-1 Line Item Nomenclature:
C93000 - Air Defense Targets

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

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	402.266	3.592	3.674	3.864	-	3.864	3.974	4.088	4.211	4.337	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	402.266	3.592	3.674	3.864	-	3.864	3.974	4.088	4.211	4.337	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	402.266	3.592	3.674	3.864	-	3.864	3.974	4.088	4.211	4.337	Continuing	Continuing

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

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

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.

Secondary Distribution	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active					
Quantity	-	-	-	-	-
Total Obligation Authority	3.592	3.674	3.864	-	3.864

Item Schedule	ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
C93000 - Air Defense Targets	P5, P5A	-	-	-	-	-	3.592	-	-	3.674	-	-	3.864	-	-	-	-	-	3.864
Total Gross/Weapon System Cost				402.266			3.592			3.674			3.864			-			3.864

*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.

Justification:

FY 2013 Base procurement dollars in the amount of \$3.864 million support Air Defense Artillery Targets and scoring, payload, and ground support equipment in support of 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 as well as providing targets for Missile Live Fire training when missiles are allocated in accordance with (IAW) the Missile Distribution Plan. These targets support U.S. Army Avenger systems worldwide. Training requirements are generated

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A : Missile Procurement, Army / BA 5 : Support Equipment and Facilities / BSA 10 : Support Equipment & Facilities		P-1 Line Item Nomenclature: C93000 - Air Defense Targets
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
<p>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 are essential to qualify soldiers in support of unit readiness.</p>		

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Exhibit P-5, Cost Analysis: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 5 / BSA 10	P-1 Line Item Nomenclature: C93000 - Air Defense Targets	Item Nomenclature (Item Number, Item Name, DODIC): C93000 - Air Defense Targets

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Procurement Quantity (Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	3.592	3.674	3.864	-	3.864
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	3.592	3.674	3.864	-	3.864
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	3.592	3.674	3.864	-	3.864

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

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

Cost Elements († indicates the presence of a P-5A)	ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost																			
Recurring Cost																			
† Remotely Piloted Vehicle Target (RPVT)		-	-	-	7.000	174	1.218	8.000	199	1.592	7.000	222	1.554	-	-	0.000	7.000	222	1.554
† Scoring (Sensors)		-	-	-	6.000	49	0.294	6.000	50	0.300	7.000	3	0.021	-	-	0.000	7.000	3	0.021
† Ground Station		-	-	-	-	-	0.000	42.000	2	0.084	-	-	0.000	-	-	-	-	-	0.000
† RPVT Beyond Visual Range (BVR) Payload		-	-	-	13.000	19	0.247	12.000	6	0.072	12.000	20	0.240	-	-	0.000	12.000	20	0.240
† Scoring (Airborne Kit)		-	-	-	16.000	20	0.320	16.000	5	0.080	16.000	30	0.480	-	-	0.000	16.000	30	0.480
Program Management Support		-	-	-	-	-	1.225	-	-	1.231	-	-	1.254	-	-	0.000	-	-	1.254
Logistics/Field Svc Support		-	-	-	-	-	0.288	-	-	0.315	-	-	0.315	-	-	0.000	-	-	0.315
<i>Total Recurring Cost</i>				<i>0.000</i>			<i>3.592</i>			<i>3.674</i>			<i>3.864</i>			<i>0.000</i>			<i>3.864</i>
<i>Total Flyaway Cost</i>				<i>0.000</i>			<i>3.592</i>			<i>3.674</i>			<i>3.864</i>			<i>0.000</i>			<i>3.864</i>
Gross Weapon System Cost				-			3.592			3.674			3.864			-			3.864

Remarks:

Secondary Distribution	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active					
Quantity	-	-	-	-	-
Total Obligation Authority	3.592	3.674	3.864	-	3.864

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Army										Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 5 / BSA 10				P-1 Line Item Nomenclature: C93000 - Air Defense Targets				Item Nomenclature: C93000 - Air Defense Targets				
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Remotely Piloted Vehicle Target (RPVT)		2011	Griffon Aerospace Inc. / Madison, AL	C / FFP	AMCOM	Mar 2011	Jun 2011	174	7.000	N		
Remotely Piloted Vehicle Target (RPVT)		2012	Griffon Aerospace Inc. / Madison, AL	C / FFP	AMCOM	Mar 2012	Jun 2012	199	8.000	N		
Remotely Piloted Vehicle Target (RPVT)		2013	Griffon Aerospace Inc. / Madison, AL	C / FFP	AMCOM	Mar 2013	Jun 2013	222	7.000	N		
Scoring (Sensors)		2011	Griffon Aerospace Inc. / Madison, AL	C / FFP	AMCOM	Mar 2011	Jun 2011	49	6.000	N		
Scoring (Sensors)		2012	Griffon Aerospace Inc. / Madison, AL	C / FFP	AMCOM	Mar 2012	Jun 2012	50	6.000	N		
Scoring (Sensors)		2013	Griffon Aerospace Inc. / Madison, AL	C / FFP	AMCOM	Mar 2013	Jun 2013	3	7.000	N		
Ground Station		2012	Griffon Aerospace Inc. / Madison, AL	C / FFP	AMCOM	Mar 2012	Jun 2012	2	42.000	N		
RPVT Beyond Visual Range (BVR) Payload		2011	Griffon Aerospace Inc. / Madison, AL	C / FFP	AMCOM	Mar 2011	Jun 2011	19	13.000	N		
RPVT Beyond Visual Range (BVR) Payload		2012	Griffon Aerospace Inc. / Madison, AL	C / FFP	AMCOM	Mar 2012	Jun 2012	6	12.000	N		
RPVT Beyond Visual Range (BVR) Payload		2013	Griffon Aerospace Inc. / Madison, AL	C / FFP	AMCOM	Mar 2013	Jun 2013	20	12.000	N		
Scoring (Airborne Kit)		2011	Griffon Aerospace Inc. / Madison, AL	C / FFP	AMCOM	Mar 2011	Jun 2011	20	16.000	N		
Scoring (Airborne Kit)		2012	Griffon Aerospace Inc. / Madison, AL	C / FFP	AMCOM	Mar 2012	Jun 2012	5	16.000	N		
Scoring (Airborne Kit)		2013	Griffon Aerospace Inc. / Madison, AL	C / FFP	AMCOM	Mar 2013	Jun 2013	30	16.000	N		
Remarks:												

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity:
2032A : Missile Procurement, Army / BA 5 : Support Equipment and Facilities / BSA
10 : Support Equipment & Facilities

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

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

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	42.744	1.208	1.459	1.540	-	1.540	1.528	1.518	1.547	1.547	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	42.744	1.208	1.459	1.540	-	1.540	1.528	1.518	1.547	1.547	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	42.744	1.208	1.459	1.540	-	1.540	1.528	1.518	1.547	1.547	Continuing	Continuing

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

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

Description:

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

Secondary Distribution	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active					
Quantity	-	-	-	-	-
Total Obligation Authority	1.208	1.459	1.540	-	1.540

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
CL2000 - Items Less Than \$5.0m (Missiles)	P5		-	-	-	-	-	1.208	-	-	1.459	-	-	1.540	-	-	-	-	-	1.540
Total Gross/Weapon System Cost					42.744			1.208			1.459			1.540			-			1.540

*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.

Justification:

FY13 Base procurement dollars in the amount of \$1.540 million supports the procurement of tools and shop sets for support of 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 materiel support to U.S. Army combat units. Under the AMCOM-LCMC, the Program Executive Office, Missiles and Space (PEO MS) is

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A : Missile Procurement, Army / BA 5 : Support Equipment and Facilities / BSA 10 : Support Equipment & Facilities		P-1 Line Item Nomenclature: CL2000 - Items Less Than \$5.0m (Missiles)
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
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.		

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Exhibit P-5, Cost Analysis: PB 2013 Army		Date: February 2012
Appropriation / Budget Activity / Budget Sub Activity: 2032A / BA 5 / BSA 10	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)

Resource Summary		Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Procurement Quantity (Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		-	1.208	1.459	1.540	-	1.540
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)		-	1.208	1.459	1.540	-	1.540
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)		-	1.208	1.459	1.540	-	1.540

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

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

Cost Elements († indicates the presence of a P-5A)	ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Quantity (Each)	Total Cost (\$ M)
Flyaway Cost																			
Recurring Cost																			
Shop Sets / Tools		-	-	-	-	-	1.208	-	-	1.459	-	-	1.540	-	-	0.000	-	-	1.540
Total Recurring Cost				0.000			1.208			1.459			1.540			0.000			1.540
Total Flyaway Cost				0.000			1.208			1.459			1.540			0.000			1.540
Gross Weapon System Cost				-			1.208			1.459			1.540			-			1.540

Remarks:

Secondary Distribution		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Army Active	Quantity	-	-	-	-	-
	Total Obligation Authority	1.208	1.459	1.540	-	1.540

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity:
2032A : Missile Procurement, Army / BA 5 : Support Equipment and Facilities / BSA 10 : Support Equipment & Facilities

P-1 Line Item Nomenclature:
CA0100 - Production Base Support

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

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	336.325	4.484	5.043	5.200	-	5.200	5.285	5.333	5.364	5.455	0.000	372.489
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	336.325	4.484	5.043	5.200	-	5.200	5.285	5.333	5.364	5.455	0.000	372.489
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	336.325	4.484	5.043	5.200	-	5.200	5.285	5.333	5.364	5.455	0.000	372.489

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

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

Project Schedule		ID CD	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Project	Exhibits		Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)
Production Support			0.000	4.484	5.043	5.200	0.000	5.200
Iowa Army Ammunition Plant			0.000	2.286	2.796	2.879	0.000	2.879
Production Support Equipment Replacement (Missile)	P25		-	2.286	2.796	2.879	-	2.879
Redstone Tech Test Center; White Sands Test Center			0.000	2.198	2.247	2.321	0.000	2.321
PIF FOR OTHER	P25		-	2.198	2.247	2.321	-	2.321
Total Gross/Weapon System Cost			0.000	4.484	5.043	5.200	0.000	5.200

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Army	Date: February 2012
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Appropriation / Budget Activity / Budget Sub Activity: 2032A : Missile Procurement, Army / BA 5 : Support Equipment and Facilities / BSA 10 : Support Equipment & Facilities	P-1 Line Item Nomenclature: CA0100 - Production Base Support
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
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*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 2013 Base procurement dollars in the amount of \$5.200 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 Support and Industrial Facilities Cost Analysis: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A : Missile Procurement, Army / BA 5 : Support Equipment and Facilities / BSA 10 : Support Equipment & Facilities	P-1 Line Item Nomenclature: CA0100 - Production Base Support
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Project Title: Production Support Equipment Replacement (Missile)	Project Number: 6XX5333	Project Category: Production Support
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End Item Supported Model: Missile Warheads	Annual Capacity Before / After (1-8-5): /
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Cost Element	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	Facility Name: Iowa Army Ammunition Plant Facility Location: Middletown, IA Facility Type (GOGO, GOCO, COCO): GOCO
A. Construction Cost	0.899	0.949	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Dec 2012 Initial/Final Project Award: Mar 2013 / Apr 2013 Construction Complete: Equipment Installation Complete: Oct 2014 Prove Out Begins: Prove Out Complete:
B. Equipment Cost	1.023	1.365	2.117	0.000	2.117	
C. Equipment Installation Cost	0.304	0.414	0.728	0.000	0.728	
D. Contractor Support Cost	0.060	0.068	0.034	0.000	0.034	
E. Corps of Engineers Support Cost	-	-	-	-	-	
F. Other In-House Support Cost	-	-	-	-	-	
G. Other Costs	-	-	-	-	-	
Total Project Cost	2.286	2.796	2.879	-	2.879	

Related Projects						
Project Number	Title	FY & Appn	Value (\$M)	Facing	Start Date	Compl Date

Narrative Explanation:
 FY 2013 Base procurement dollars in the amount of \$2.879 million supports numerous efforts at Iowa Ammunition Plant. The project will procure and install two computer numerically controlled (CNC) drill machines for drilling the body and retaining ring prior to assembly, a horizontal CNC lathe for machining to final shape pressed explosive warhead billets, and a warhead machining center in one of the explosive storage magazines within Line 4B. It will replace the existing coordinate measuring machine (CMM) in building 4B-22, which is needed to perform precise warhead component measurements, and rehabilitate the vertical test fire framework at FS-6. In addition, this project will reconstruct the existing lighting protection systems in all active explosive area buildings on Line 1, in accordance with applicable Army regulations.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2013 Army **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 2032A : Missile Procurement, Army / BA 5 : Support Equipment and Facilities / BSA 10 : Support Equipment & Facilities	P-1 Line Item Nomenclature: CA0100 - Production Base Support
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Project Title: PIF FOR OTHER	Project Number: 6XXXXXX	Project Category: Production Support
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End Item Supported Model: Testing of Missile Systems	Annual Capacity Before / After (1-8-5): /
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Cost Element	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	Facility Name: Redstone Tech Test Center; White Sands Test Center Facility Location: Huntsville, AL; White Sands Missile Range, NM Facility Type (GOGO, GOCO, COCO): GOGO																
A. Construction Cost	-	-	-	-	-	<table border="0" style="width: 100%;"> <tr> <td style="width: 70%;">Principal Milestones</td> <td style="width: 30%;">Month & Year</td> </tr> <tr> <td>Concept Design Complete:</td> <td></td> </tr> <tr> <td>Final Design Complete:</td> <td></td> </tr> <tr> <td>Initial/Final Project Award:</td> <td align="center">Dec 2012 / Mar 2013</td> </tr> <tr> <td>Construction Complete:</td> <td></td> </tr> <tr> <td>Equipment Installation Complete:</td> <td align="center">Dec 2013</td> </tr> <tr> <td>Prove Out Begins:</td> <td></td> </tr> <tr> <td>Prove Out Complete:</td> <td></td> </tr> </table>	Principal Milestones	Month & Year	Concept Design Complete:		Final Design Complete:		Initial/Final Project Award:	Dec 2012 / Mar 2013	Construction Complete:		Equipment Installation Complete:	Dec 2013	Prove Out Begins:		Prove Out Complete:	
Principal Milestones	Month & Year																					
Concept Design Complete:																						
Final Design Complete:																						
Initial/Final Project Award:	Dec 2012 / Mar 2013																					
Construction Complete:																						
Equipment Installation Complete:	Dec 2013																					
Prove Out Begins:																						
Prove Out Complete:																						
B. Equipment Cost	2.198	2.247	2.321	0.000	2.321																	
C. Equipment Installation Cost	-	-	-	-	-																	
D. Contractor Support Cost	-	-	-	-	-																	
E. Corps of Engineers Support Cost	-	-	-	-	-																	
F. Other In-House Support Cost	-	-	-	-	-																	
G. Other Costs	-	-	-	-	-																	
Total Project Cost	2.198	2.247	2.321	-	2.321																	

Related Projects						
Project Number	Title	FY & Appn	Value (\$M)	Facing	Start Date	Compl Date

Narrative Explanation:
 FY 2013 Base procurement dollars in the amount of \$2.321 million support the following: At RTC, replaces old, unreliable and incapable vibration table and control system with modern equipment used for shock and vibration testing of missile systems. At WSTC, 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).