Selected Acquisition Report (SAR)

RCS: DD-A&T(Q&A)823-367

HIMARS

As of December 31, 2010

Defense Acquisition Management
Information Retrieval
(DAMIR)

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Program Information

Designation And Nomenclature (Popular Name)

High Mobility Artillery Rocket System (HIMARS)

DoD Component

Army

Responsible Office

Responsible Office

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Date Assigned June 12, 2007

References

SAR Baseline (Production Estimate)

Army Acquisition Executive (AAE) Approved Acquisition Program Baseline (APB) dated August 17, 2005

Approved APB

AAE Approved Acquisition Program Baseline (APB) dated August 17, 2005

Mission and Description

The High Mobility Artillery Rocket System (HIMARS) fully supports the joint early-entry expeditionary forces, contingency forces, and Modular Fires Brigades. HIMARS is a C-130 transportable (combat loaded), wheeled, indirect fire launcher system that is capable of firing all rockets and missiles in the current and future Multiple Launch Rocket System (MLRS) Family of Munitions (MFOM) to include Guided Multiple Launch Rocket System (GMLRS) (Dual Purpose Improved Conventional Munition (DPICM) and Unitary) and Army Tactical Missile System (ATACMS) (Block I, II, and Unitary). The HIMARS launcher is mounted on a modified Family of Medium Tactical Vehicles (FMTV) 6X6 all-wheel drive 5-ton truck chassis. HIMARS provides rocket/missile capability to joint, current and future forces through a lighter weight, more deployable system in both early and forced entry scenarios. The HIMARS mission, as part of the MLRS fleet of launchers, is to provide field artillery medium and long-range rocket and long-range missile fires in support of Brigade Combat Teams. HIMARS, as part of the Modular Fires Brigade, provides fires that shape the battlefield, and shield the force. HIMARS will replace select MLRS M270 launcher units, as well as selected M198 Howitzer units. The United States Marine Corps will procure two battalions of HIMARS.

Executive Summary

The Sixth Full Rate Production (FRP VI) contract was awarded on December 23, 2010, for 44 units for the US Army. The objective armored cab design was cut into production in FY 2009. A second Life Cycle Contract Support (LCCS) contract was awarded on December 28, 2007, providing support for four years until 2011. With regard to schedule, 11 HIMARS battalions have been fielded to date and all future fieldings are on track. The HIMARS program is within cost. HIMARS launchers are greatly contributing to the war efforts in Iraq and Afghanistan. The HIMARS program won the William J. Perry Precision Strike Award for outstanding combat effectiveness in 2008 and the Secretary of Defense Performance-Based Logistics Award for the second time in 2009 for its LCCS program, the only program in the Defense Department to do so.

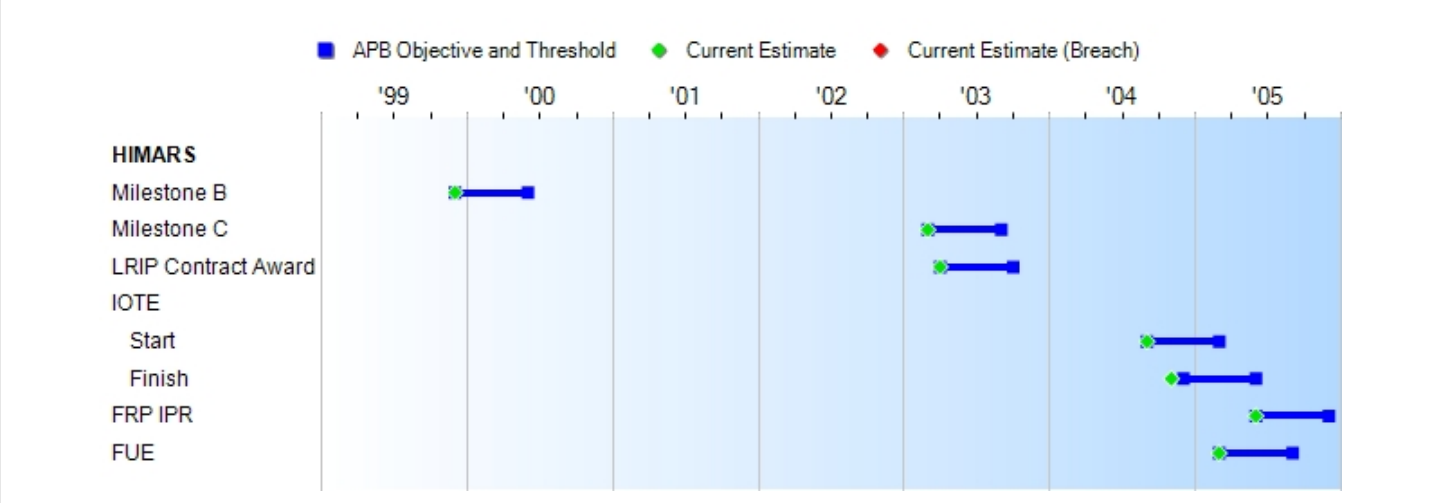
There are no significant software related issues with this program at this time.

Threshold Breaches

APB Breaches		
Schedule		☐
Performance		☐
Cost	RDT&E	☐
	Procurement	☐
	MILCON	☐
	Acq O&M	☐
Unit Cost	PAUC	☐
	APUC	☐

Nunn-McCurdy Breaches		
Current UCR Baseline		
	PAUC	None
	APUC	None
Original UCR Baseline		
	PAUC	None
	APUC	None

Schedule



Milestones	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Current Estimate
Milestone B	DEC 1999	DEC 1999	JUN 2000	DEC 1999
Milestone C	MAR 2003	MAR 2003	SEP 2003	MAR 2003
LRIP Contract Award	APR 2003	APR 2003	OCT 2003	APR 2003
IOTE				
Start	SEP 2004	SEP 2004	MAR 2005	SEP 2004
Finish	DEC 2004	DEC 2004	JUN 2005	NOV 2004
FRP IPR	JUN 2005	JUN 2005	DEC 2005	JUN 2005
FUE	MAR 2005	MAR 2005	SEP 2005	MAR 2005

Acronyms And Abbreviations

FRP - Full Rate Production
FUE - First Unit Equipped
IOTE - Initial Operational Test and Evaluation
IPR - Interim Program Review
LRIP - Low Rate Initial Production

Change Explanations

None

Performance

Characteristics	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Demonstrated Performance	Current Estimate	
Reaction Time Total Mission Cycle (Rockets) (Min)	9	9	13	12:59	12:59	
Transportability (fully combat loaded)						
C130 Load (min)	25	N/A	N/A	N/A	N/A	(Ch-1)
C130 Off-Load (min)	5	N/A	N/A	N/A	N/A	(Ch-1)
Fire All Current and Future MFOM	No degradation in MFOM effectiveness	No degradation in MFOM effectiveness	No degradation in MFOM effectiveness	Effectiveness equivalent to M270/M270 A1 demonstrated performance	No degradation in MFOM effectiveness	
Interoperability w/FA Voice and Digital Systems	Use AFATDS	N/A	N/A	N/A	N/A	(Ch-1)
Reload Cycle Time (min)	4	4	7	5:35	5:35	
Block II Enhanced C2	Perform technical and tactical fire control using JVMF operating on the T1	Perform technical and tactical fire control using JVMF operating on the T1	Receive and execute fire mission digitally from FA Sensor	Successfully used digital communications	Must be able to receive and execute fire missions digitally from field artillery sensors.	
Block II Increased Crew Protection	Cab survives direct hit by Artillery: 155 frag @ 60m; Ammo: 7.62 mm x51 AP, 7.65mm x 54R API	Cab survives direct hit by Artillery: 155 frag @ 60m; Ammo: 7.62mm x51 AP, 7.65mm x 54R API	Cab survives direct hit by Artillery: 155 frag @ 80m; Ammo: 7.62mm x39 API	Successfully qualified ICP cab to required protection level except for multiple glass hits. Working on new glass recipe.	Cab survives direct hit by Artillery: 155 frag @ 60m; Ammo: 7.62mm x 51 AP, 7.65mm x 54R API	
Block II Improved Initialization	Transition from power-onto an operational ready state in 5.5 mins	Transition from power-onto an operational ready state in 5.5 mins	Transition from power-onto an operational ready state in 4 mins	Successfully completed three hot panel exercises that	Transition from power-onto an operational ready state in 5.5 mins	

	given a stored heading, valid location and valid GPS keys	given a stored heading, valid location and valid GPS keys	given a stored heading, valid location and valid GPS keys	demonstrated reduced power-on to operational readiness time.	given a stored heading, valid location and valid GPS keys
Block II Reliability					
Mean Time Between Essential Function Failures (MTBEFF) (hrs)	45	45	34	152	>41
Mean Time Between System Aborts (MTBSA) (hrs)	81	81	58	259	>70

Requirements Source: Operational Requirements Document (ORD), dated January 5, 2004

Acronyms And Abbreviations

AFATDS - Advanced Field Artillery Tactical Data System
APB - Aquisition Program Baseline
API - Armor Piercing Incindeary
FA - Field Artillery
GPS - Global Positioning System
Hrs - Hours
ICP - Increased Crew Protection
JVMF - Joint Variable Message Format
KPP - Key Performance Parameter
m - Meters
MFOM - Multiple Launch Rocket System (MLRS) Family of Munitions
min - Minutes
mm - Millimeters
TBD - To Be Determined

Change Explanations

(Ch-1) No longer KPP's on the current APB.

Memo

Demonstrated performance values were collected during System Development and Demonstration (SDD) testing, Production Qualification Testing (PQT) II, and the joint HIMARS/GMLRS IOT&E (Guided Multiple Launch Rocket System Initial Operational Test and Evaluation). Demonstrated performance met Acquisition Program Baseline threshold requirements. Block II reliability requirements were demonstrated during continued reliability testing through November 14, 2006.

The Demonstrated Performance for Block II Increased Crew Protection Characteristics changed from “TBD” to "Successfully qualified Increased Crew Protection (ICP) cab to required protection level except for multiple glass hits. Working on new glass recipe due to testing and demonstration results."

Track To Budget

RDT&E

APPN 2040	BA 07	PE 0603778A	(Army)
	Project 090	MLRS HIMARS	(Shared)

The HIMARS Program of Record will complete production in FY 2012. RDT&E funds FY 2013 and beyond apply to post production modifications and are not reflected in this report. The current program schedule shows HIMARS will be 90% delivered in the 1st quarter of FY 2012.

Procurement

APPN 2032	BA 02	PE 0603778A	(Army)
	ICN C03000	HIMARS Launcher	
	ICN C03001	HIMARS Training Devices	(Sunk)
	ICN CA0250	Initial Spares, HIMARS	

C02901 is the parent line.

Cost and Funding

Cost Summary

Total Acquisition Cost and Quantity

	BY2003 $M			BY2003 $M	TY $M		
Appropriation	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Current Estimate	SAR Baseline Prod Est	Current APB Production Objective	Current Estimate
RDT&E	206.3	235.7	259.3	242.2	206.4	239.6	249.0
Procurement	3421.1	1856.1	2041.7	1540.2	4074.9	2129.7	1764.3
Flyaway	3047.1	--	--	1255.2	3626.3	--	1435.2
Recurring	3024.1	--	--	1236.0	3601.6	--	1413.4
Non Recurring	23.0	--	--	19.2	24.7	--	21.8
Support	374.0	--	--	285.0	448.6	--	329.1
Other Support	228.6	--	--	216.9	273.0	--	249.9
Initial Spares	145.4	--	--	68.1	175.6	--	79.2
MILCON	84.2	0.0	--	0.0	107.1	0.0	0.0
Acq O&M	0.0	0.0	--	0.0	0.0	0.0	0.0
Total	3711.6	2091.8	N/A	1782.4	4388.4	2369.3	2013.3

Quantity	SAR Baseline Prod Est	Current APB Production	Current Estimate
RDT&E	6	6	6
Procurement	888	450	375
Total	894	456	381

Cost and Funding

Funding Summary

Appropriation and Quantity Summary
FY2012 President's Budget / December 2010 SAR (TY$ M)

Appropriation	Prior	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	To Complete	Total
RDT&E	239.5	3.4	6.1	0.0	0.0	0.0	0.0	0.0	249.0
Procurement	1484.3	221.2	32.6	21.4	1.6	1.6	1.6	0.0	1764.3
MILCON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acq O&M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PB 2012 Total	1723.8	224.6	38.7	21.4	1.6	1.6	1.6	0.0	2013.3
PB 2011 Total	1722.9	224.6	39.0	27.8	14.6	14.9	0.0	0.0	2043.8
Delta	0.9	0.0	-0.3	-6.4	-13.0	-13.3	1.6	0.0	-30.5

Quantity	Undistributed	Prior	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	To Complete	Total
Development	6	0	0	0	0	0	0	0	0	6
Production	0	331	44	0	0	0	0	0	0	375
PB 2012 Total	6	331	44	0	0	0	0	0	0	381
PB 2011 Total	6	331	44	0	0	0	0	0	0	381
Delta	0	0	0	0	0	0	0	0	0	0

Cost and Funding

Annual Funding By Appropriation

Annual Funding TY$
2040 | RDT&E | Research, Development, Test, and Evaluation, Army

Fiscal Year	Quantity	End Item Recurring Flyaway TY $M	Non End Item Recurring Flyaway TY $M	Non Recurring Flyaway TY $M	Total Flyaway TY $M	Total Support TY $M	Total Program TY $M
1999	--	--	--	--	--	--	5.0
2000	--	--	--	--	--	--	34.8
2001	--	--	--	--	--	--	47.4
2002	--	--	--	--	--	--	55.6
2003	--	--	--	--	--	--	28.8
2004	--	--	--	--	--	--	18.6
2005	--	--	--	--	--	--	9.2
2006	--	--	--	--	--	--	12.1
2007	--	--	--	--	--	--	18.1
2008	--	--	--	--	--	--	4.3
2009	--	--	--	--	--	--	3.7
2010	--	--	--	--	--	--	1.9
2011	--	--	--	--	--	--	3.4
2012	--	--	--	--	--	--	6.1
Subtotal	**6**	**--**	**--**	**--**	**--**	**--**	**249.0**

Annual Funding BY$
2040 | RDT&E | Research, Development, Test, and Evaluation, Army

Fiscal Year	Quantity	End Item Recurring Flyaway BY 2003 $M	Non End Item Recurring Flyaway BY 2003 $M	Non Recurring Flyaway BY 2003 $M	Total Flyaway BY 2003 $M	Total Support BY 2003 $M	Total Program BY 2003 $M
1999	--	--	--	--	--	--	5.2
2000	--	--	--	--	--	--	35.6
2001	--	--	--	--	--	--	47.9
2002	--	--	--	--	--	--	55.6
2003	--	--	--	--	--	--	28.2
2004	--	--	--	--	--	--	17.8
2005	--	--	--	--	--	--	8.6
2006	--	--	--	--	--	--	11.0
2007	--	--	--	--	--	--	16.0
2008	--	--	--	--	--	--	3.7
2009	--	--	--	--	--	--	3.2
2010	--	--	--	--	--	--	1.6
2011	--	--	--	--	--	--	2.8
2012	--	--	--	--	--	--	5.0
Subtotal	**6**	**--**	**--**	**--**	**--**	**--**	**242.2**

Annual Funding TY$
2032 | Procurement | Missile Procurement, Army

Fiscal Year	Quantity	End Item Recurring Flyaway TY $M	Non End Item Recurring Flyaway TY $M	Non Recurring Flyaway TY $M	Total Flyaway TY $M	Total Support TY $M	Total Program TY $M
2003	28	119.2	--	--	119.2	13.3	132.5
2004	24	95.6	--	--	95.6	28.4	124.0
2005	37	154.4	--	--	154.4	14.7	169.1
2006	38	135.2	--	7.7	142.9	18.3	161.2
2007	44	142.8	--	8.3	151.1	47.1	198.2
2008	57	190.5	--	5.8	196.3	44.4	240.7
2009	57	187.7	--	--	187.7	52.7	240.4
2010	46	168.7	--	--	168.7	49.5	218.2
2011	44	166.5	--	--	166.5	54.7	221.2
2012	--	--	31.7	--	31.7	0.9	32.6
2013	--	--	20.2	--	20.2	1.2	21.4
2014	--	--	0.3	--	0.3	1.3	1.6
2015	--	--	0.3	--	0.3	1.3	1.6
2016	--	--	0.3	--	0.3	1.3	1.6
Subtotal	**375**	**1360.6**	**52.8**	**21.8**	**1435.2**	**329.1**	**1764.3**

Annual Funding BY$
2032 | Procurement | Missile Procurement, Army

Fiscal Year	Quantity	End Item Recurring Flyaway BY 2003 $M	Non End Item Recurring Flyaway BY 2003 $M	Non Recurring Flyaway BY 2003 $M	Total Flyaway BY 2003 $M	Total Support BY 2003 $M	Total Program BY 2003 $M
2003	28	114.5	--	--	114.5	12.8	127.3
2004	24	89.4	--	--	89.4	26.6	116.0
2005	37	140.5	--	--	140.5	13.4	153.9
2006	38	120.4	--	6.9	127.3	16.2	143.5
2007	44	124.8	--	7.3	132.1	41.1	173.2
2008	57	164.0	--	5.0	169.0	38.2	207.2
2009	57	160.0	--	--	160.0	44.9	204.9
2010	46	141.9	--	--	141.9	41.7	183.6
2011	44	137.9	--	--	137.9	45.3	183.2
2012	--	--	25.9	--	25.9	0.7	26.6
2013	--	--	16.1	--	16.1	1.0	17.1
2014	--	--	0.2	--	0.2	1.1	1.3
2015	--	--	0.2	--	0.2	1.0	1.2
2016	--	--	0.2	--	0.2	1.0	1.2
Subtotal	**375**	**1193.4**	**42.6**	**19.2**	**1255.2**	**285.0**	**1540.2**

Low Rate Initial Production

	Initial LRIP Decision	Current Total LRIP
Approval Date	12/1/1999	12/1/1999
Approved Quantity	89	89
Reference	MS B	MS B
Start Year	2003	2003
End Year	2007	2007

HIMARS had three LRIP contracts beginning in 2003, with the last deliveries from LRIP III taking place in February 2007.

Foreign Military Sales

Country	Date of Sale	Quantity	Total Cost $M	Memo
Jordan	1/27/2010	12	53.3	
Singapore	12/28/2007	18	52.8	
United Arab Emirates	12/28/2007	20	62.6	
United Kingdom	12/23/2004	15	10.1	

As part of the Third Full Rate Production (FRP) contract signed December 28, 2007, in addition to the 57 HIMARS launchers contracted for the US Army, there were 20 launchers for the United Arab Emirates and 18 for Singapore. The United Kingdom also procured 15 fire control systems for $10.1M as part of the LRIP III contract signed December 23, 2004. As part of the Fifth FRP contract signed January 27, 2010, Jordan contracted for 12 launchers.

Nuclear Cost

None

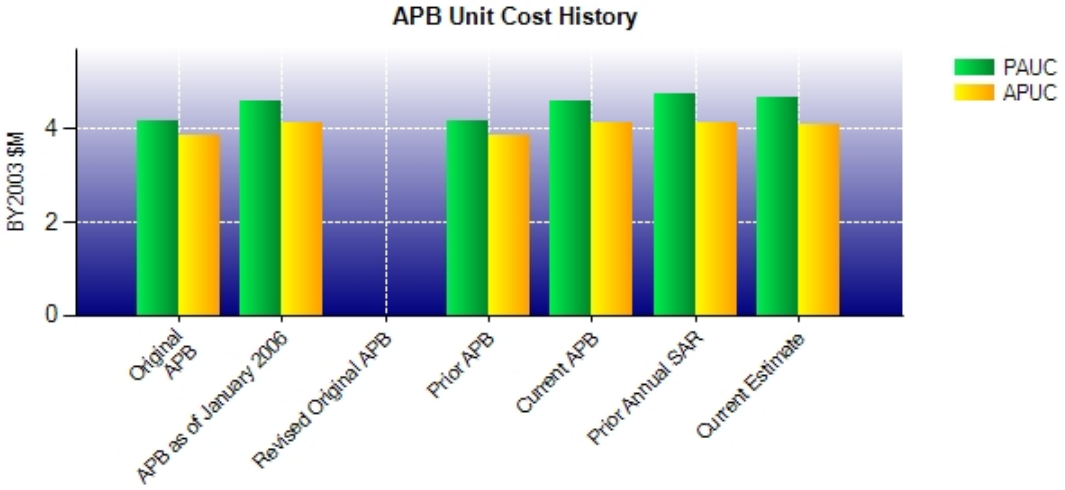
Unit Cost

Unit Cost Report

Unit Cost	BY2003 $M Current UCR Baseline (AUG 2005 APB)	BY2003 $M Current Estimate (DEC 2010 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	2091.8	1782.4	
Quantity	456	381	
Unit Cost	4.587	4.678	+1.98
Average Procurement Unit Cost (APUC)			
Cost	1856.1	1540.2	
Quantity	450	375	
Unit Cost	4.125	4.107	-0.44

Unit Cost	BY2003 $M Original UCR Baseline (MAR 2003 APB)	BY2003 $M Current Estimate (DEC 2010 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	3711.6	1782.4	
Quantity	894	381	
Unit Cost	4.152	4.678	+12.67
Average Procurement Unit Cost (APUC)			
Cost	3421.1	1540.2	
Quantity	888	375	
Unit Cost	3.853	4.107	+6.59

Unit Cost History



		BY2003 $M		TY $M	
	Date	PAUC	APUC	PAUC	APUC
Original APB	MAR 2003	4.152	3.853	4.909	4.589
APB as of January 2006	AUG 2005	4.587	4.125	5.196	4.733
Revised Original APB	N/A	N/A	N/A	N/A	N/A
Prior APB	MAR 2003	4.152	3.853	4.909	4.589
Current APB	AUG 2005	4.587	4.125	5.196	4.733
Prior Annual SAR	DEC 2009	4.740	4.130	5.364	4.735
Current Estimate	DEC 2010	4.678	4.107	5.284	4.705

SAR Unit Cost History

Initial SAR Baseline to Current SAR Baseline (TY $M)

Initial PAUC Dev Est	Changes								PAUC Prod Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
4.824	0.000	0.000	0.000	0.000	-0.014	0.000	0.099	0.085	4.909

Current SAR Baseline to Current Estimate (TY $M)

PAUC Prod Est	Changes								PAUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
4.909	0.602	0.486	-0.045	0.104	-0.395	0.000	-0.377	0.375	5.284

Initial SAR Baseline to Current SAR Baseline (TY $M)

Initial APUC Dev Est	Changes								APUC Prod Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
4.630	0.000	0.000	0.000	0.000	-0.141	0.000	0.100	-0.041	4.589

Current SAR Baseline to Current Estimate (TY $M)

APUC Prod Est	Changes								APUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
4.589	0.623	0.057	-0.046	0.000	-0.135	0.000	-0.383	0.116	4.705

SAR Baseline History

Item/Event	SAR Planning Estimate (PE)	SAR Development Estimate (DE)	SAR Production Estimate (PdE)	Current Estimate
Milestone I	N/A	N/A	N/A	N/A
Milestone B	N/A	DEC 1999	DEC 1999	DEC 1999
Milestone C	N/A	MAR 2003	MAR 2003	MAR 2003
FUE	N/A	MAR 2005	MAR 2005	MAR 2005
Total Cost (TY $M)	N/A	4312.9	4388.4	2013.3
Total Quantity	N/A	894	894	381
Prog. Acq. Unit Cost (PAUC)	N/A	4.824	4.909	5.284

Cost Variance

Cost Variance Summary

Summary Then Year $M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Prod Est)	206.4	4074.9	107.1	4388.4
Previous Changes				
Economic	+1.2	+234.1	-5.4	+229.9
Quantity	--	-2332.3	--	-2332.3
Schedule	--	-17.3	--	-17.3
Engineering	+39.6	--	--	+39.6
Estimating	+21.0	-37.8	-101.7	-118.5
Other	--	--	--	--
Support	--	-146.0	--	-146.0
Subtotal	+61.8	-2299.3	-107.1	-2344.6
Current Changes				
Economic	-0.1	-0.5	--	-0.6
Quantity	--	--	--	--
Schedule	--	--	--	--
Engineering	--	--	--	--
Estimating	-19.1	-13.0	--	-32.1
Other	--	--	--	--
Support	--	+2.2	--	+2.2
Subtotal	-19.2	-11.3	--	-30.5
Total Changes	+42.6	-2310.6	-107.1	-2375.1
CE - Cost Variance	249.0	1764.3	--	2013.3
CE - Cost & Funding	249.0	1764.3	--	2013.3

Summary Base Year 2003 $M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Prod Est)	206.3	3421.1	84.2	3711.6
Previous Changes				
Economic	--	--	--	--
Quantity	--	-1689.8	--	-1689.8
Schedule	--	-16.6	--	-16.6
Engineering	+35.5	--	--	+35.5
Estimating	+15.7	-75.3	-84.2	-143.8
Other	--	--	--	--
Support	--	-90.8	--	-90.8
Subtotal	+51.2	-1872.5	-84.2	-1905.5
Current Changes				
Economic	--	--	--	--
Quantity	--	--	--	--
Schedule	--	--	--	--
Engineering	--	--	--	--
Estimating	-15.3	-10.2	--	-25.5
Other	--	--	--	--
Support	--	+1.8	--	+1.8
Subtotal	-15.3	-8.4	--	-23.7
Total Changes	+35.9	-1880.9	-84.2	-1929.2
CE - Cost Variance	242.2	1540.2	--	1782.4
CE - Cost & Funding	242.2	1540.2	--	1782.4

Previous Estimate: December 2009

RDT&E	$M	
Current Change Explanations	**Base Year**	**Then Year**
Revised escalation indices. (Economic)	N/A	-0.1
FY 2013 - FY 2015 were erroneously included in last year's SAR. (Estimating)	-15.0	-18.9
Revised effort requirements for technical insertion and obsolescence mitigation. (Estimating)	-0.3	-0.2
RDT&E Subtotal	-15.3	-19.2

Procurement	$M	
Current Change Explanations	**Base Year**	**Then Year**
Revised escalation indices. (Economic)	N/A	-0.5
Adjustment for current and prior escalation. (Estimating)	+0.4	+0.2
One additional funding year added (FY 2016). Funds to be used for obsolescence mitigation. (Estimating)	+0.2	+0.3
Program funding reduction to accommodate high priority bill payers. (Estimating)	-10.8	-13.5
Adjustment for current and prior escalation. (Support)	-0.1	+0.1
Increase in other support. (Support)	+0.1	+0.1
Change in Initial Spares requirements. (Support)	+1.8	+2.0
Procurement Subtotal	-8.4	-11.3

Contracts

Appropriation: Procurement

Contract Name	**LRIP III**
Contractor	Lockheed Martin
Contractor Location	Dallas, TX 75051
Contract Number, Type	DAAH01-03-C-0005/38, FFP/CPFF
Award Date	December 23, 2004
Definitization Date	December 23, 2004

Initial Contract Price ($M)			Current Contract Price ($M)			Estimated Price At Completion ($M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
109.2	N/A	37	113.7	N/A	37	113.7	113.7

Cost And Schedule Variance Explanations

Cost and Schedule variance reporting is not required on this FFP/CPFF contract.

Contract Comments

The current contract target price (CCTP) for this contract is $126.4M for 38 units (37 for the US Army and one for the USMC). The Army portion is $113.7M, the USMC portion is $2.6M, and there is an additional $10.1M for 15 fire control systems for the United Kingdom.

The delta between the initial contract price target (ICPT) and the CCTP was a change order executed to perform system level qualification, a final configuration audit for the replacement of the gunner's display unit.

Appropriation: Procurement

Contract Name	**FRP II**
Contractor	Lockheed Martin
Contractor Location	Dallas, TX 75051
Contract Number, Type	W31P4Q-06-C-0001/10, FFP/CPFF
Award Date	December 28, 2006
Definitization Date	December 28, 2006

Initial Contract Price ($M)			Current Contract Price ($M)			Estimated Price At Completion ($M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
123.9	N/A	44	130.3	N/A	44	130.3	130.3

Cost And Schedule Variance Explanations

Cost and Schedule variance reporting is not required on this FFP/CPFF contract.

Contract Comments

The total quantity of 60 launchers on this contract includes 44 for the US Army at $130.3M and 16 for United States Marine Corps at $43.5M.

The increase from the initial contract price target (ICPT) and the current contract target price (CCTP) was a change order executed to procure Line Replaceable Units for the new universal fire control system.

Appropriation: Procurement

Contract Name	**FRP III**
Contractor	Lockheed Martin
Contractor Location	Dallas, TX 75051
Contract Number, Type	W31P4Q-08-C-0001/1, FFP/CPFF
Award Date	December 28, 2007
Definitization Date	December 28, 2007

Initial Contract Price ($M)			Current Contract Price ($M)			Estimated Price At Completion ($M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
150.7	N/A	57	157.6	N/A	57	157.6	157.6

Cost And Schedule Variance Explanations

Cost and Schedule variance reporting is not required on this FFP/CPFF contract.

Contract Comments

The total quantity of 95 launchers on this contract includes 57 for the US Army at $157.6M, 20 for the United Arab Emirates, and 18 for Singapore.

The difference between the initial contract price target (ICPT) and the current contract target price (CCTP) was a change order executed for effort required to qualify the new universal positioning navigational units.

Appropriation: Procurement

Contract Name	**FRP IV**
Contractor	Lockheed Martin
Contractor Location	Dallas, TX 75051
Contract Number, Type	W31P4Q-08-C-0001/2, FFP/CPFF
Award Date	December 28, 2008
Definitization Date	December 28, 2008

Initial Contract Price ($M)			Current Contract Price ($M)			Estimated Price At Completion ($M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
161.0	N/A	57	161.0	N/A	57	161.0	161.0

Cost And Schedule Variance Explanations

Cost and Schedule variance reporting is not required on this FFP/CPFF contract.

Contract Comments

This contract is for 64 units comprised of 57 for the US Army ($161.0M) and 7 for the USMC ($19.0M).

Appropriation: Procurement

Contract Name	**FRP V**
Contractor	Lockheed Martin
Contractor Location	Dallas, TX 75051
Contract Number, Type	W31P4Q-08-C-0001/3, FFP/CPFF
Award Date	December 22, 2009
Definitization Date	December 22, 2009

Initial Contract Price ($M)			Current Contract Price ($M)			Estimated Price At Completion ($M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
143.5	N/A	46	143.5	N/A	46	143.5	143.5

Cost And Schedule Variance Explanations

Cost and Schedule variance reporting is not required on this FFP/CPFF contract.

Contract Comments

The current unit total is 58 launchers on the contract comprised of 46 for the US Army ($143.5M) and 12 for Jordan ($34.8M).

Appropriation: Procurement

Contract Name	**FRP VI**
Contractor	Lockheed Martin Corporation
Contractor Location	Dallas, TX 75051
Contract Number, Type	W31P4Q-11-C-0101, FFP/CPFF
Award Date	December 23, 2010
Definitization Date	December 23, 2010

Initial Contract Price ($M)			Current Contract Price ($M)			Estimated Price At Completion ($M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
139.6	N/A	44	139.6	N/A	44	139.6	139.6

Cost And Schedule Variance Explanations

Cost and Schedule variance reporting is not required on this FFP/CPFF contract.

Contract Comments

This contract is for 44 units for the US Army.

This is the first time this contract is being reported.

Deliveries and Expenditures

Deliveries To Date	Plan To Date	Actual To Date	Total Quantity	Percent Delivered
Development	6	6	6	100.00%
Production	284	284	375	75.73%
Total Program Quantities Delivered	290	290	381	76.12%

Expenditures and Appropriations (TY $M)			
Total Acquisition Cost	2013.3	Years Appropriated	13
Expenditures To Date	1353.2	Percent Years Appropriated	72.22%
Percent Expended	67.21%	Appropriated to Date	1948.4
Total Funding Years	18	Percent Appropriated	96.78%

The HIMARS Program of Record will complete production in FY 2012. RDT&E funds for FY 2013 and beyond apply to post production modifications and are not reflected in this report. The current program schedule shows HIMARS will be 90% delivered in the 1st quarter of FY 2012.

Operating and Support Cost

Assumptions And Ground Rules
The unit for tracking O&S costs is a Battalion (BN). Each BN consists of three firing batteries of six launchers plus one float, for a total of 19 launchers. The estimated cost assumes 19 BNs and a HIMARS service life of 20 years. The reflected O&S costs were estimated in the March 2003 Army Cost Position (ACP). The ACP includes operating tempo, reliability/maintainability, maintenance concept, manning and logistics policies. The O&S costs are based on the Level of Repair Analysis and the Army Cost Position. Life Cycle Contractor Support is being executed for HIMARS. The M270 Basic Launcher was the antecedent system for the HIMARS.

Costs BY2003 $M		
Cost Element	HIMARS Avg Annual Cost Per Battalion	MLRS M270 Avg Annual Cost Per Battalion
Unit-Level Manpower	2.1	17.7
Unit Operations	0.2	0.3
Maintenance	0.1	1.8
Sustaining Support	0.1	--
Continuing System Improvements	--	--
Indirect Support	0.1	1.2
Other	--	--
Total Unitized Cost (Base Year 2003 $)	2.6	21.0

Total O&S Costs $M	HIMARS	MLRS M270
Base Year	988.0	29201.0
Then Year	1174.5	44339.8