



Selected Acquisition Report (SAR)

RCS: DD-A&T(Q&A)823-555



Joint Air-to-Surface Standoff Missile (JASSM)

As of December 31, 2012

Defense Acquisition Management
Information Retrieval
(DAMIR)

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Program Information

Program Name

Joint Air-to-Surface Standoff Missile - JASSM and JASSM-Extended Range (JASSM)

DoD Component

Air Force

Joint Participants

Department of the Navy

Responsible Office

Responsible Office

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Date Assigned June 7, 2011

References

JASSM Baseline

SAR Baseline (Production Estimate)

Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated April 4, 2011

Approved APB

Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated April 4, 2011

JASSM-ER

SAR Baseline (Production Estimate)

Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated April 4, 2011

Approved APB

Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated April 4, 2011

Mission and Description

Introduction:

The JASSM is a next generation cruise missile enabling the United States Air Force to destroy the enemy's war-sustaining capabilities from outside its area air defenses. It is precise, lethal, survivable, flexible, and adverse-weather capable. JASSM's inherent accuracy (three meters (m) or less using the Imaging Infrared (IIR) seeker and less than 13m with Global Positioning System (GPS)/Inertial Navigation System (INS) only) reduces the number of weapons and sorties required to destroy a target.

Mission:

JASSM provides both fighter and bomber aircraft the capability to strike critical, high value, heavily defended targets early in a campaign.

Vision:

To provide the warfighter with an autonomous, precision standoff strike weapon product line at an affordable cost and on schedule.

Description:

JASSM and JASSM-ER are low observable, highly survivable, subsonic cruise missiles which carry a 1000-pound class, hardened, penetrating warhead with a robust blast fragmentation capability. The missiles employ an IIR seeker system to attack fixed, point targets requiring precision targeting. The missiles use GPS/INS for mid-course navigation and as a back up for terminal guidance. JASSM and JASSM-ER have a 15-year warranty and are stored in their container. A launch can occur over a wide range of altitudes and at ranges greater than 200 nautical miles (nm) (Baseline) or greater than 500nm (Extended Range).

CONOPS:

JASSM employment will occur primarily in the early stages of conflict before air superiority is established, and in the later stages of conflict against high value targets remaining heavily defended. JASSM can also be employed in those cases where, due to rules of engagement/political constraints, high value, point targets must be attacked from international airspace. JASSM may be employed independently or the missile may be used as part of a composite package.

Executive Summary

During 2012, the JASSM program continued the successes of 2011. In July and August 2012, the final eleven JASSM-ER Initial Operational Test and Evaluation (IOT&E) flights were successfully flown, completing 16 flight tests with 16 successes. This dedicated Operational Test program cleared the program for Full-Rate Production and paved the way for the JASSM-ER Initial Operational Capability. The final IOT&E report was released in early January 2013 and declared the JASSM-ER suitable, effective, and mission capable. In November 2012, the program successfully flew the final Lot 6 Reliability Assessment Program flight tests, resulting in a 5-for-6 success rate. In January 2012, the final flight test required to integrate JASSM on the F-15E was successfully completed resulting in Air Combat Command (ACC) declaring this new warfighting capability.

On the production side, the program completed production of all Lot 8 JASSM missiles, completing 80 United States Air Force Baseline missiles, twelve IOT&E JASSM-ER missiles and 66 Foreign Military Sales Baseline missiles. The program also awarded the JASSM Lot 10 production contract for 191 Baseline and 30 JASSM-ER missiles. The program was successful in solving the on-going JASSM fuze availability issue by delivering 313 fuzes to the production line after passing an unprecedented eight consecutive Lot Acceptance Tests.

In 2012, 103 additional missiles were returned from overseas and Continental United States locations with coating anomalies. These coating anomalies are covered under the warranty and these missiles will be stripped and recoated. Currently 44 missiles have been repaired and returned to inventory.

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

Threshold Breaches

JASSM Baseline

APB Breaches		
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Schedule		<input type="checkbox"/>
Performance		<input type="checkbox"/>
Cost	RDT&E	<input type="checkbox"/>
	Procurement	<input type="checkbox"/>
	MILCON	<input type="checkbox"/>
	Acq O&M	<input type="checkbox"/>
O&S Cost		<input type="checkbox"/>
Unit Cost	PAUC	<input type="checkbox"/>
	APUC	<input type="checkbox"/>

Nunn-McCurdy Breaches		
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Current UCR Baseline

PAUC	None
APUC	None

Original UCR Baseline

PAUC	None
APUC	None

JASSM-ER

APB Breaches		
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Schedule		<input type="checkbox"/>
Performance		<input type="checkbox"/>
Cost	RDT&E	<input type="checkbox"/>
	Procurement	<input type="checkbox"/>
	MILCON	<input type="checkbox"/>
	Acq O&M	<input type="checkbox"/>
O&S Cost		<input type="checkbox"/>
Unit Cost	PAUC	<input type="checkbox"/>
	APUC	<input type="checkbox"/>

Nunn-McCurdy Breaches		
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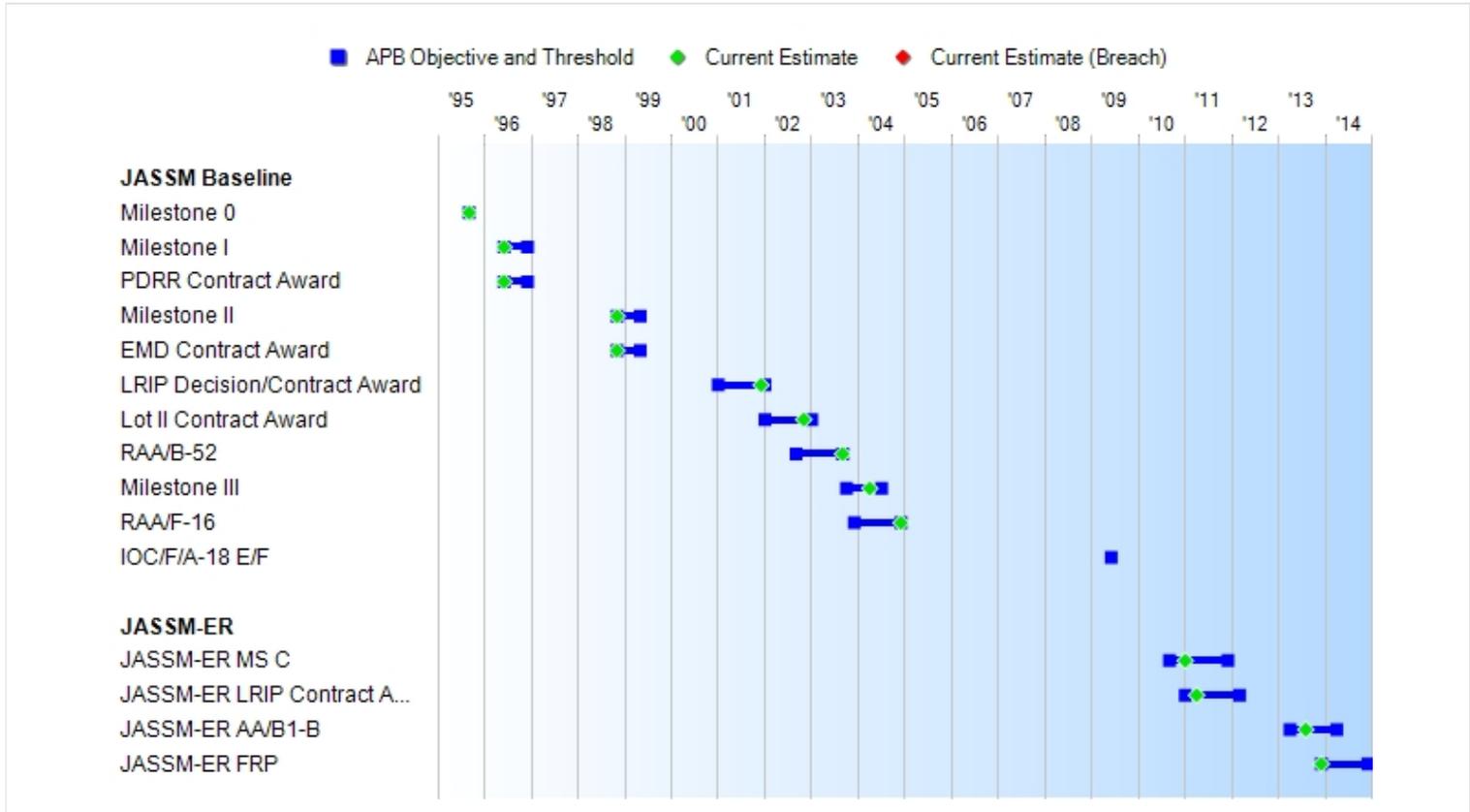
Current UCR Baseline

PAUC	None
APUC	None

Original UCR Baseline

PAUC	None
APUC	None

Schedule



JASSM Baseline				
Milestones	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Current Estimate
Milestone 0	SEP 1995	SEP 1995	SEP 1995	SEP 1995
Milestone I	JUN 1996	JUN 1996	DEC 1996	JUN 1996
PDRR Contract Award	JUN 1996	JUN 1996	DEC 1996	JUN 1996
Milestone II	NOV 1998	NOV 1998	MAY 1999	NOV 1998
EMD Contract Award	NOV 1998	NOV 1998	MAY 1999	NOV 1998
LRIP Decision/Contract Award	JAN 2001	JAN 2001	JAN 2002	DEC 2001
Lot II Contract Award	JAN 2002	JAN 2002	JAN 2003	NOV 2002
RAA/B-52	SEP 2002	SEP 2002	SEP 2003	SEP 2003
Milestone III	OCT 2003	OCT 2003	JUL 2004	APR 2004
RAA/F-16	DEC 2003	DEC 2003	DEC 2004	DEC 2004
IOC/F/A-18 E/F	JUN 2009	N/A	N/A	N/A

Acronyms And Abbreviations

EMD - Engineering and Manufacturing Development
 IOC - Initial Operational Capability
 LRIP - Low Rate Initial Production
 N/A - Not Applicable
 PDRR - Program Definition and Risk Reduction
 RAA - Required Assets Available

Change Explanations

None

JASSM-ER

Milestones	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Current Estimate	
JASSM-ER MS C	JAN 2007	SEP 2010	DEC 2011	JAN 2011	
JASSM-ER LRIP Contract Award	JAN 2011	JAN 2011	MAR 2012	APR 2011	
JASSM-ER AA/B1-B	DEC 2008	APR 2013	APR 2014	AUG 2013	(Ch-1)
JASSM-ER FRP	DEC 2013	DEC 2013	DEC 2014	DEC 2013	(Ch-2)

Acronyms And Abbreviations

AA - Assets Available
 FRP - Full Rate Production
 LRIP - Low Rate Initial Production
 MS - Milestone

Change Explanations

(Ch-1) JASSM-ER AA/B1-B changed from APR 2013 to AUG 2013 due to JASSM-ER Engine delays.

(Ch-2) JASSM-ER FRP changed from JUN 2013 to DEC 2013 due to JASSM-ER Engine delays.

Memo

The January 10, 2011 Acquisition Decision Memorandum (ADM) was signed approving MS C for the JASSM-ER sub-program. Low-Rate Initial Production was approved for 100 to 190 JASSM-ER missiles (4 percent to 7.6 percent of JASSM-ER total production). The ADM also approved Full-Rate Production (FRP) entrance criteria. The JASSM-ER increment will return for a FRP decision in FY 2013.

Performance

JASSM Baseline					
Characteristics	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Demonstrated Performance	Current Estimate
Carrier Operability (KPP)	Compatible with carrier ops	Compatible with carrier ops	Compatible with carrier ops	N/A	N/A ¹
Interoperability (KPP)	100% of top-level IER	100% of top-level IER	100% of top-level IER designated critical	100% of top-level IER	100% of top-level IER

¹APB Breach

Requirements Source: Operational Requirements Document (ORD) dated January 20, 2004

Acronyms And Abbreviations

KPP - Key Performance Parameter
 N/A - Not Applicable
 ops - operations

Change Explanations

None

Classified Performance information is provided in the classified annex to this submission.

JASSM-ER					
Characteristics	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Demonstrated Performance	Current Estimate
Materiel Availability (KPP) (CPD Para 6.1.5)	.98	.98	.95	* TBD	.98
Net-Ready (KPP) (CPD para 6.1.3)	All Ops	All Ops	Joint Critical Ops	All Ops	All Ops
Missile Reliability (KSA) (CPD para 6.2.8)	4th Lot .91	4th Lot. 91	IOT&E .80 4th Lot .85	IOT&E .95	4th Lot .91

Requirements Source: Capability Production Document (CPD) dated April 16, 2010, JASSM-ER Annex to the JASSM Operational Requirements Document (ORD) and ORD III dated January 31, 2005, and the ORD 303-95-III dated January 20, 2004

Acronyms And Abbreviations

CPD - Capability Production Document
IOT&E - Initial Operational Test and Evaluation
KPP - Key Performance Parameter
KSA - Key System Attributes
Ops - Operations
para - paragraph

Change Explanations

None

Classified Performance information is provided in the classified annex to this submission.

Memo

* Materiel Availability: To Be Determined until delivery of first missile.

Track To Budget

JASSM Baseline

RDT&E

APPN 1319	BA 07	PE 0604312N	(Navy)	
	Project 2242	Joint Air-to-Surface Standoff Missile	(Shared)	(Sunk)
APPN 3600	BA 07	PE 0207325F	(Air Force)	
	Project 4515	Joint Air-to-Surface Standoff Missile		
	Project 5356	Joint Air-to-Surface Standoff Missile	(Shared)	(Sunk)

Procurement

APPN 3020	BA 02	PE 0207325F	(Air Force)	
	ICN 654515	Joint Air-to-Surface Standoff Missile		

JASSM-ER

RDT&E

APPN 3600	BA 07	PE 0207325F	(Air Force)	
	Project 4515	Joint Air-to-Surface Standoff Missile	(Shared)	(Sunk)
	Project 5356	Joint Air-to-Surface Standoff Missile		

Procurement

APPN 3020	BA 02	PE 0207325F	(Air Force)	
	ICN 654515	Joint Air-to-Surface Standoff Missile		

Cost and Funding

Cost Summary - Total Program

Total Acquisition Cost and Quantity - Total Program

Appropriation	BY2010 \$M			BY2010 \$M	TY \$M		
	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Current Estimate	SAR Baseline Prod Est	Current APB Production Objective	Current Estimate
RDT&E	1405.8	1441.7	--	1463.7	1199.8	1252.6	1280.3
Procurement	3648.7	5869.3	--	5223.0	3756.2	6785.0	6037.9
Flyaway	3510.3	--	--	4431.0	3617.5	--	5135.3
Recurring	3510.3	--	--	4431.0	3617.5	--	5135.3
Non Recurring	0.0	--	--	0.0	0.0	--	0.0
Support	138.4	--	--	792.0	138.7	--	902.6
Other Support	138.4	--	--	792.0	138.7	--	902.6
Initial Spares	0.0	--	--	0.0	0.0	--	0.0
MILCON	31.0	0.0	--	0.0	25.1	0.0	0.0
Acq O&M	0.0	0.0	--	0.0	0.0	0.0	0.0
Total	5085.5	7311.0	N/A	6686.7	4981.1	8037.6	7318.2

Cost and Funding

Cost Summary - JASSM Baseline

Total Acquisition Cost and Quantity - JASSM Baseline

Appropriation	BY2010 \$M			BY2010 \$M	TY \$M		
	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Current Estimate	SAR Baseline Prod Est	Current APB Production Objective	Current Estimate
RDT&E	1246.7	1176.2	1293.8	1228.9	1053.2	985.6	1051.2
Procurement	1612.8	2503.2	2753.5	1825.4	1601.4	2664.7	1862.9
Flyaway	1537.1	--	--	1417.9	1529.6	--	1448.3
Recurring	1537.1	--	--	1417.9	1529.6	--	1448.3
Non Recurring	0.0	--	--	0.0	0.0	--	0.0
Support	75.7	--	--	407.5	71.8	--	414.6
Other Support	75.7	--	--	407.5	71.8	--	414.6
Initial Spares	0.0	--	--	0.0	0.0	--	0.0
MILCON	31.0	0.0	--	0.0	25.1	0.0	0.0
Acq O&M	0.0	0.0	--	0.0	0.0	0.0	0.0
Total	2890.5	3679.4	N/A	3054.3	2679.7	3650.3	2914.1

Confidence Level for Current APB Cost 50% - The Independent Cost Estimate to support JASSM Baseline and JASSM-ER Milestone C decision, like all life-cycle cost estimates previously performed by the Cost Assessment and Program Evaluation (CAPE), is built upon a product-oriented work breakdown structure, based on historical actual cost information to the maximum extent possible, and, most importantly, based on conservative assumptions that are consistent with actual demonstrated contractor and government performance for a series of acquisition programs in which the Department has been successful.

It is difficult to calculate mathematically the precise confidence levels associated with life-cycle cost estimates prepared for Major Defense Acquisition Programs (MDAPs). Based on the rigor in methods used in building estimates, the strong adherence to the collection and use of historical cost information, and the review of applied assumptions, we project that it is about equally likely that the estimate will prove too low or too high for execution of the program described.

Quantity	SAR Baseline Prod Est	Current APB Production	Current Estimate
RDT&E	87	87	87
Procurement	2853	2400	1953
Total	2940	2487	2040

Cost Summary - JASSM-ER**Total Acquisition Cost and Quantity - JASSM-ER**

Appropriation	BY2010 \$M			BY2010 \$M	TY \$M		
	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Current Estimate	SAR Baseline Prod Est	Current APB Production Objective	Current Estimate
RDT&E	159.1	265.5	292.1	234.8	146.6	267.0	229.1
Procurement	2035.9	3366.1	3702.7	3397.6	2154.8	4120.3	4175.0
Flyaway	1973.2	--	--	3013.1	2087.9	--	3687.0
Recurring	1973.2	--	--	3013.1	2087.9	--	3687.0
Non Recurring	0.0	--	--	0.0	0.0	--	0.0
Support	62.7	--	--	384.5	66.9	--	488.0
Other Support	62.7	--	--	384.5	66.9	--	488.0
Initial Spares	0.0	--	--	0.0	0.0	--	0.0
MILCON	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
Total	2195.0	3631.6	N/A	3632.4	2301.4	4387.3	4404.1

Confidence Level for Current APB Cost 50% - The Independent Cost Estimate to support JASSM Baseline and JASSM-ER Milestone C decision, like all life-cycle cost estimates previously performed by the Cost Assessment and Program Evaluation (CAPE), is built upon a product-oriented work breakdown structure, based on historical actual cost information to the maximum extent possible, and, most importantly, based on conservative assumptions that are consistent with actual demonstrated contractor and government performance for a series of acquisition programs in which the Department has been successful.

It is difficult to calculate mathematically the precise confidence levels associated with life-cycle cost estimates prepared for Major Defense Acquisition Programs (MDAPs). Based on the rigor in methods used in building estimates, the strong adherence to the collection and use of historical cost information, and the review of applied assumptions, we project that it is about equally likely that the estimate will prove too low or too high for execution of the program described.

Quantity	SAR Baseline Prod Est	Current APB Production	Current Estimate
RDT&E	7	31	31
Procurement	2500	2500	2947
Total	2507	2531	2978

Cost and Funding

Funding Summary - Total Program

Appropriation and Quantity Summary - Total Program FY2014 President's Budget / December 2012 SAR (TY\$ M)

Appropriation	Prior	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	To Complete	Total
RDT&E	1180.8	7.9	6.4	17.6	13.9	4.4	4.5	44.8	1280.3
Procurement	1416.0	240.4	291.2	341.1	449.7	444.2	452.1	2403.2	6037.9
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 2014 Total	2596.8	248.3	297.6	358.7	463.6	448.6	456.6	2448.0	7318.2
PB 2013 Total	2585.3	248.3	277.9	335.4	462.9	448.6	467.7	2480.0	7306.1
Delta	11.5	0.0	19.7	23.3	0.7	0.0	-11.1	-32.0	12.1

Cost and Funding

Funding Summary - JASSM Baseline

Appropriation and Quantity Summary - JASSM Baseline FY2014 President's Budget / December 2012 SAR (TY\$ M)

Appropriation	Prior	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	To Complete	Total
RDT&E	981.7	3.9	3.1	5.1	4.1	4.2	4.3	44.8	1051.2
Procurement	1301.8	155.2	143.2	142.4	120.3	0.0	0.0	0.0	1862.9
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 2014 Total	2283.5	159.1	146.3	147.5	124.4	4.2	4.3	44.8	2914.1
PB 2013 Total	2261.1	159.1	147.3	146.5	124.4	122.6	123.3	471.3	3555.6
Delta	22.4	0.0	-1.0	1.0	0.0	-118.4	-119.0	-426.5	-641.5

Program funding and production quantities listed in this SAR are consistent with the FY 2014 President's Budget (PB). The FY 2014 PB did not reflect the enacted DoD appropriation for FY 2013, nor sequestration; it reflected the President's requested amounts for FY 2013.

All JASSM Baseline funding and quantities will end in FY 2016. The JASSM program will transition to an all JASSM-ER program starting in FY 2017.

Quantity	Undistributed	Prior	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	To Complete	Total
Development	87	0	0	0	0	0	0	0	0	87
Production	0	1529	117	103	104	100	0	0	0	1953
PB 2014 Total	87	1529	117	103	104	100	0	0	0	2040
PB 2013 Total	87	1473	117	103	104	100	100	100	303	2487
Delta	0	56	0	0	0	0	-100	-100	-303	-447

Funding Summary - JASSM-ER

Appropriation and Quantity Summary - JASSM-ER FY2014 President's Budget / December 2012 SAR (TY\$ M)

Appropriation	Prior	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	To Complete	Total
RDT&E	199.1	4.0	3.3	12.5	9.8	0.2	0.2	0.0	229.1
Procurement	114.2	85.2	148.0	198.7	329.4	444.2	452.1	2403.2	4175.0
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 2014 Total	313.3	89.2	151.3	211.2	339.2	444.4	452.3	2403.2	4404.1
PB 2013 Total	324.2	89.2	130.6	188.9	338.5	326.0	344.4	2008.7	3750.5
Delta	-10.9	0.0	20.7	22.3	0.7	118.4	107.9	394.5	653.6

Program funding and production quantities listed in this SAR are consistent with the FY 2014 President's Budget (PB). The FY 2014 PB did not reflect the enacted DoD appropriation for FY 2013, nor sequestration; it reflected the President's requested amounts for FY 2013.

The JASSM program will transition to an all JASSM-ER program starting in FY 2017. All JASSM Baseline funding and quantities will end in FY 2016. The JASSM-ER program increased by 20 missiles and \$22.0 million in both FY 2014 and FY 2015.

Quantity	Undistributed	Prior	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	To Complete	Total
Development	31	0	0	0	0	0	0	0	0	31
Production	0	60	40	80	120	260	360	360	1667	2947
PB 2014 Total	31	60	40	80	120	260	360	360	1667	2978
PB 2013 Total	31	60	40	60	100	260	260	260	1460	2531
Delta	0	0	0	20	20	0	100	100	207	447

Cost and Funding

Annual Funding By Appropriation - JASSM Baseline

Annual Funding TY\$ - JASSM Baseline

3600 | RDT&E | Research, Development, Test, and Evaluation, Air Force

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
1996	--	--	--	--	--	--	27.6
1997	--	--	--	--	--	--	160.7
1998	--	--	--	--	--	--	163.8
1999	--	--	--	--	--	--	121.7
2000	--	--	--	--	--	--	154.4
2001	--	--	--	--	--	--	118.6
2002	--	--	--	--	--	--	82.8
2003	--	--	--	--	--	--	35.0
2004	--	--	--	--	--	--	9.8
2005	--	--	--	--	--	--	11.5
2006	--	--	--	--	--	--	22.4
2007	--	--	--	--	--	--	10.5
2008	--	--	--	--	--	--	3.5
2009	--	--	--	--	--	--	4.1
2010	--	--	--	--	--	--	--
2011	--	--	--	--	--	--	--
2012	--	--	--	--	--	--	--
2013	--	--	--	--	--	--	3.9
2014	--	--	--	--	--	--	3.1
2015	--	--	--	--	--	--	5.1
2016	--	--	--	--	--	--	4.1
2017	--	--	--	--	--	--	4.2
2018	--	--	--	--	--	--	4.3
2019	--	--	--	--	--	--	5.4
2020	--	--	--	--	--	--	5.4
2021	--	--	--	--	--	--	5.4

2022	--	--	--	--	--	--	5.4
2023	--	--	--	--	--	--	5.4
2024	--	--	--	--	--	--	5.5
2025	--	--	--	--	--	--	5.5
2026	--	--	--	--	--	--	6.8
Subtotal	81	--	--	--	--	--	995.9

Annual Funding BY\$ - JASSM Baseline**3600 | RDT&E | Research, Development, Test, and Evaluation, Air Force**

Fiscal Year	Quantity	End Item Recurring Flyaway BY 2010 \$M	Non End Item Recurring Flyaway BY 2010 \$M	Non Recurring Flyaway BY 2010 \$M	Total Flyaway BY 2010 \$M	Total Support BY 2010 \$M	Total Program BY 2010 \$M
1996	--	--	--	--	--	--	34.5
1997	--	--	--	--	--	--	198.3
1998	--	--	--	--	--	--	200.8
1999	--	--	--	--	--	--	147.7
2000	--	--	--	--	--	--	184.5
2001	--	--	--	--	--	--	139.8
2002	--	--	--	--	--	--	96.6
2003	--	--	--	--	--	--	40.3
2004	--	--	--	--	--	--	11.0
2005	--	--	--	--	--	--	12.6
2006	--	--	--	--	--	--	23.8
2007	--	--	--	--	--	--	10.9
2008	--	--	--	--	--	--	3.6
2009	--	--	--	--	--	--	4.1
2010	--	--	--	--	--	--	--
2011	--	--	--	--	--	--	--
2012	--	--	--	--	--	--	--
2013	--	--	--	--	--	--	3.6
2014	--	--	--	--	--	--	2.8
2015	--	--	--	--	--	--	4.6
2016	--	--	--	--	--	--	3.6
2017	--	--	--	--	--	--	3.6
2018	--	--	--	--	--	--	3.6
2019	--	--	--	--	--	--	4.5
2020	--	--	--	--	--	--	4.4
2021	--	--	--	--	--	--	4.3
2022	--	--	--	--	--	--	4.2
2023	--	--	--	--	--	--	4.2
2024	--	--	--	--	--	--	4.2

2025	--	--	--	--	--	--	4.1
2026	--	--	--	--	--	--	4.9
Subtotal	81	--	--	--	--	--	1165.1

Annual Funding TY\$ - JASSM Baseline

1319 | RDT&E | Research, Development, Test, and Evaluation, Navy

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
1998	--	--	--	--	--	--	5.3
1999	--	--	--	--	--	--	1.8
2000	--	--	--	--	--	--	3.4
2001	--	--	--	--	--	--	2.0
2002	--	--	--	--	--	--	5.9
2003	--	--	--	--	--	--	16.1
2004	--	--	--	--	--	--	20.8
Subtotal	6	--	--	--	--	--	55.3

Annual Funding BY\$ - JASSM Baseline
1319 | RDT&E | Research, Development, Test, and Evaluation, Navy

Fiscal Year	Quantity	End Item Recurring Flyaway BY 2010 \$M	Non End Item Recurring Flyaway BY 2010 \$M	Non Recurring Flyaway BY 2010 \$M	Total Flyaway BY 2010 \$M	Total Support BY 2010 \$M	Total Program BY 2010 \$M
1998	--	--	--	--	--	--	6.5
1999	--	--	--	--	--	--	2.2
2000	--	--	--	--	--	--	4.1
2001	--	--	--	--	--	--	2.4
2002	--	--	--	--	--	--	6.9
2003	--	--	--	--	--	--	18.5
2004	--	--	--	--	--	--	23.2
Subtotal	6	--	--	--	--	--	63.8

Annual Funding TY\$ - JASSM Baseline
3020 | Procurement | Missile Procurement, Air Force

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
2001	--	--	0.2	--	0.2	--	0.2
2002	76	33.6	--	--	33.6	9.1	42.7
2003	100	36.5	--	--	36.5	15.5	52.0
2004	240	90.2	--	--	90.2	10.7	100.9
2005	288	112.2	--	--	112.2	27.0	139.2
2006	75	69.9	--	--	69.9	28.7	98.6
2007	163	124.8	--	--	124.8	35.9	160.7
2008	111	103.5	--	--	103.5	56.5	160.0
2009	134	129.0	--	--	129.0	51.7	180.7
2010	3	2.6	--	--	2.6	17.2	19.8
2011	167	146.5	--	--	146.5	19.4	165.9
2012	172	156.7	--	--	156.7	24.4	181.1
2013	117	128.0	--	--	128.0	27.2	155.2
2014	103	111.3	--	--	111.3	31.9	143.2
2015	104	109.6	--	--	109.6	32.8	142.4
2016	100	93.7	--	--	93.7	26.6	120.3
Subtotal	1953	1448.1	0.2	--	1448.3	414.6	1862.9

Annual Funding BY\$ - JASSM Baseline
3020 | Procurement | Missile Procurement, Air Force

Fiscal Year	Quantity	End Item Recurring Flyaway BY 2010 \$M	Non End Item Recurring Flyaway BY 2010 \$M	Non Recurring Flyaway BY 2010 \$M	Total Flyaway BY 2010 \$M	Total Support BY 2010 \$M	Total Program BY 2010 \$M
2001	--	--	0.2	--	0.2	--	0.2
2002	76	38.7	--	--	38.7	10.4	49.1
2003	100	41.5	--	--	41.5	17.6	59.1
2004	240	100.4	--	--	100.4	11.9	112.3
2005	288	121.4	--	--	121.4	29.2	150.6
2006	75	73.5	--	--	73.5	30.2	103.7
2007	163	128.0	--	--	128.0	36.9	164.9
2008	111	104.3	--	--	104.3	56.9	161.2
2009	134	128.1	--	--	128.1	51.3	179.4
2010	3	2.5	--	--	2.5	16.9	19.4
2011	167	140.2	--	--	140.2	18.5	158.7
2012	172	146.9	--	--	146.9	22.9	169.8
2013	117	116.4	--	--	116.4	24.7	141.1
2014	103	99.3	--	--	99.3	28.5	127.8
2015	104	96.0	--	--	96.0	28.7	124.7
2016	100	80.5	--	--	80.5	22.9	103.4
Subtotal	1953	1417.7	0.2	--	1417.9	407.5	1825.4

Annual Funding By Appropriation - JASSM-ER

Annual Funding TY\$ - JASSM-ER

3600 | RDT&E | Research, Development, Test, and Evaluation, Air Force

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	--	--	--	--	--	--	13.6
2004	--	--	--	--	--	--	15.7
2005	--	--	--	--	--	--	31.8
2006	--	--	--	--	--	--	35.2
2007	--	--	--	--	--	--	22.5
2008	--	--	--	--	--	--	8.3
2009	--	--	--	--	--	--	20.6
2010	--	--	--	--	--	--	26.5
2011	--	--	--	--	--	--	19.3
2012	--	--	--	--	--	--	5.6
2013	--	--	--	--	--	--	4.0
2014	--	--	--	--	--	--	3.3
2015	--	--	--	--	--	--	12.5
2016	--	--	--	--	--	--	9.8
2017	--	--	--	--	--	--	0.2
2018	--	--	--	--	--	--	0.2
Subtotal	31	--	--	--	--	--	229.1

Annual Funding BY\$ - JASSM-ER**3600 | RDT&E | Research, Development, Test, and Evaluation, Air Force**

Fiscal Year	Quantity	End Item Recurring Flyaway BY 2010 \$M	Non End Item Recurring Flyaway BY 2010 \$M	Non Recurring Flyaway BY 2010 \$M	Total Flyaway BY 2010 \$M	Total Support BY 2010 \$M	Total Program BY 2010 \$M
2003	--	--	--	--	--	--	15.6
2004	--	--	--	--	--	--	17.6
2005	--	--	--	--	--	--	34.8
2006	--	--	--	--	--	--	37.4
2007	--	--	--	--	--	--	23.3
2008	--	--	--	--	--	--	8.4
2009	--	--	--	--	--	--	20.6
2010	--	--	--	--	--	--	26.2
2011	--	--	--	--	--	--	18.7
2012	--	--	--	--	--	--	5.3
2013	--	--	--	--	--	--	3.7
2014	--	--	--	--	--	--	3.0
2015	--	--	--	--	--	--	11.2
2016	--	--	--	--	--	--	8.6
2017	--	--	--	--	--	--	0.2
2018	--	--	--	--	--	--	0.2
Subtotal	31	--	--	--	--	--	234.8

Annual Funding TY\$ - JASSM-ER

3020 | Procurement | Missile Procurement, Air Force

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
2010	30	52.4	--	--	52.4	4.3	56.7
2011	--	--	--	--	--	2.3	2.3
2012	30	53.5	--	--	53.5	1.7	55.2
2013	40	73.0	--	--	73.0	12.2	85.2
2014	80	121.5	--	--	121.5	26.5	148.0
2015	120	168.9	--	--	168.9	29.8	198.7
2016	260	307.1	--	--	307.1	22.3	329.4
2017	360	418.5	--	--	418.5	25.7	444.2
2018	360	423.0	--	--	423.0	29.1	452.1
2019	360	426.5	--	--	426.5	44.5	471.0
2020	360	432.4	--	--	432.4	45.5	477.9
2021	360	438.7	--	--	438.7	46.6	485.3
2022	360	445.4	--	--	445.4	47.6	493.0
2023	227	326.1	--	--	326.1	48.6	374.7
2024	--	--	--	--	--	9.8	9.8
2025	--	--	--	--	--	10.0	10.0
2026	--	--	--	--	--	10.1	10.1
2027	--	--	--	--	--	10.3	10.3
2028	--	--	--	--	--	10.5	10.5
2029	--	--	--	--	--	10.7	10.7
2030	--	--	--	--	--	10.9	10.9
2031	--	--	--	--	--	5.6	5.6
2032	--	--	--	--	--	5.7	5.7
2033	--	--	--	--	--	5.9	5.9
2034	--	--	--	--	--	5.9	5.9
2035	--	--	--	--	--	5.9	5.9
Subtotal	2947	3687.0	--	--	3687.0	488.0	4175.0

Annual Funding BY\$ - JASSM-ER

3020 | Procurement | Missile Procurement, Air Force

Fiscal Year	Quantity	End Item Recurring Flyaway BY 2010 \$M	Non End Item Recurring Flyaway BY 2010 \$M	Non Recurring Flyaway BY 2010 \$M	Total Flyaway BY 2010 \$M	Total Support BY 2010 \$M	Total Program BY 2010 \$M
2010	30	51.3	--	--	51.3	4.2	55.5
2011	--	--	--	--	--	2.2	2.2
2012	30	50.2	--	--	50.2	1.6	51.8
2013	40	66.4	--	--	66.4	11.1	77.5
2014	80	108.4	--	--	108.4	23.7	132.1
2015	120	147.9	--	--	147.9	26.1	174.0
2016	260	263.9	--	--	263.9	19.2	283.1
2017	360	353.0	--	--	353.0	21.7	374.7
2018	360	350.1	--	--	350.1	24.1	374.2
2019	360	346.4	--	--	346.4	36.2	382.6
2020	360	344.7	--	--	344.7	36.3	381.0
2021	360	343.2	--	--	343.2	36.4	379.6
2022	360	341.9	--	--	341.9	36.6	378.5
2023	227	245.7	--	--	245.7	36.6	282.3
2024	--	--	--	--	--	7.2	7.2
2025	--	--	--	--	--	7.3	7.3
2026	--	--	--	--	--	7.2	7.2
2027	--	--	--	--	--	7.2	7.2
2028	--	--	--	--	--	7.2	7.2
2029	--	--	--	--	--	7.2	7.2
2030	--	--	--	--	--	7.2	7.2
2031	--	--	--	--	--	3.6	3.6
2032	--	--	--	--	--	3.6	3.6
2033	--	--	--	--	--	3.7	3.7
2034	--	--	--	--	--	3.6	3.6
2035	--	--	--	--	--	3.5	3.5
Subtotal	2947	3013.1	--	--	3013.1	384.5	3397.6

Low Rate Initial Production

JASSM Baseline

	Initial LRIP Decision	Current Total LRIP
Approval Date	12/21/2001	12/21/2003
Approved Quantity	176	416
Reference	ADM	FY 2004 Congressional Add
Start Year	2001	2001
End Year	2003	2003

The Current Total LRIP Quantity is more than 10% of the total production quantity due to the Defense Acquisition Executive signing the Acquisition Decision Memorandum (ADM) authorizing entry into Low-Rate Initial Production (LRIP) on December 21, 2001. The December 2001 LRIP decision approved the procurement of 76 missiles in Lot 1 and 100 missiles in Lot 2. In the summer of 2003, Congressional language for the FY 2004 budget dictated that the JASSM program remain in LRIP for Lot 3, which added an additional 240 missiles (increasing the total LRIP quantity from 176 to 416, which equates to 17 percent of expected total procurement).

JASSM-ER

	Initial LRIP Decision	Current Total LRIP
Approval Date	1/10/2011	1/10/2011
Approved Quantity	100	100
Reference	ADM	ADM
Start Year	2011	2011
End Year	2013	2013

The January 10, 2011 ADM approved LRIP of 100 to 190 JASSM-ER missiles (4 percent up to 7.6 percent of JASSM-ER total procurement).

Foreign Military Sales

JASSM Baseline

Classified Foreign Military Sales information is provided in the classified annex to this submission.

JASSM-ER

None

Nuclear Cost

JASSM Baseline

None

JASSM-ER

None

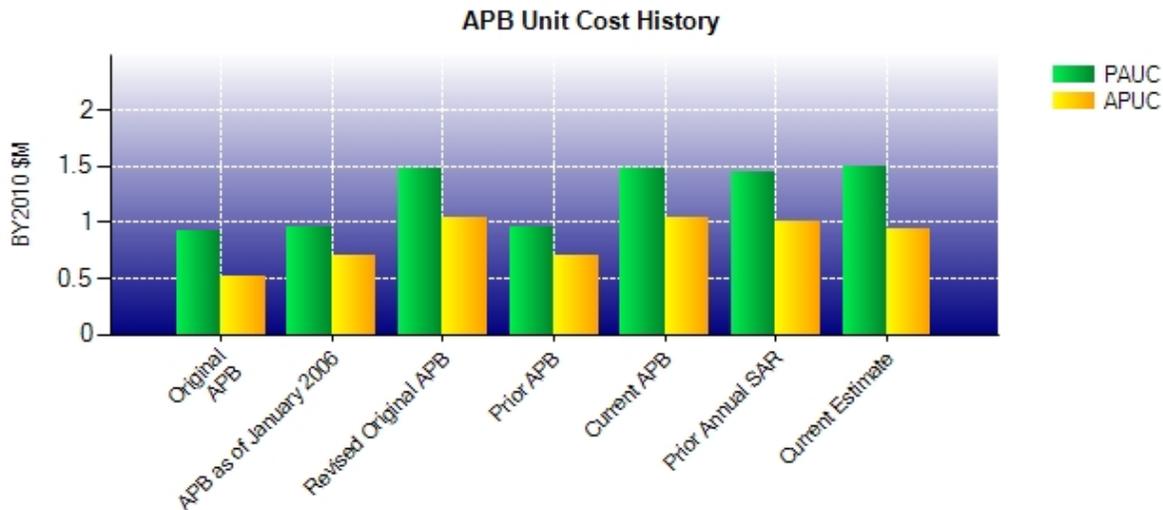
Unit Cost**JASSM Baseline****Unit Cost Report**

	BY2010 \$M	BY2010 \$M	
Unit Cost	Current UCR Baseline (APR 2011 APB)	Current Estimate (DEC 2012 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	3679.4	3054.3	
Quantity	2487	2040	
Unit Cost	1.479	1.497	+1.22
Average Procurement Unit Cost (APUC)			
Cost	2503.2	1825.4	
Quantity	2400	1953	
Unit Cost	1.043	0.935	-10.35

	BY2010 \$M	BY2010 \$M	
Unit Cost	Revised Original UCR Baseline (APR 2011 APB)	Current Estimate (DEC 2012 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	3679.4	3054.3	
Quantity	2487	2040	
Unit Cost	1.479	1.497	+1.22
Average Procurement Unit Cost (APUC)			
Cost	2503.2	1825.4	
Quantity	2400	1953	
Unit Cost	1.043	0.935	-10.35

JASSM Baseline

Unit Cost History



	Date	BY2010 \$M		TY \$M	
		PAUC	APUC	PAUC	APUC
Original APB	NOV 1998	0.914	0.516	0.840	0.504
APB as of January 2006	JUL 2004	0.951	0.700	0.914	0.702
Revised Original APB	APR 2011	1.479	1.043	1.468	1.110
Prior APB	JUL 2004	0.951	0.700	0.914	0.702
Current APB	APR 2011	1.479	1.043	1.468	1.110
Prior Annual SAR	DEC 2011	1.443	0.999	1.430	1.064
Current Estimate	DEC 2012	1.497	0.935	1.428	0.954

SAR Unit Cost History

Current SAR Baseline to Current Estimate (TY \$M)

Initial PAUC Prod Est	Changes								PAUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.911	0.040	0.080	0.176	0.063	-0.005	0.000	0.163	0.517	1.428

Current SAR Baseline to Current Estimate (TY \$M)

Initial APUC Prod Est	Changes								APUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.561	0.037	-0.078	0.184	0.066	0.013	0.000	0.171	0.393	0.954

SAR Baseline History

Item/Event	SAR Planning Estimate (PE)	SAR Development Estimate (DE)	SAR Production Estimate (PdE)	Current Estimate
Milestone I	JUN 1996	JUN 1996	JUN 1996	JUN 1996
Milestone II	JUN 1998	NOV 1998	NOV 1998	NOV 1998
Milestone III	APR 2001	JUL 2002	OCT 2003	APR 2004
IOC	JUN 2001	SEP 2002	SEP 2002	SEP 2003
Total Cost (TY \$M)	811.3	2073.3	2679.7	2914.1
Total Quantity	44	2469	2940	2040
Prog. Acq. Unit Cost (PAUC)	18.439	0.840	0.911	1.428

Initial Operational Capability represents Required Assets Available for B-52 declared at Barksdale Air Force Base on September 24, 2003.

JASSM-ER**Unit Cost Report**

	BY2010 \$M	BY2010 \$M	
Unit Cost	Current UCR Baseline (APR 2011 APB)	Current Estimate (DEC 2012 SAR)	BY % Change

Program Acquisition Unit Cost (PAUC)

Cost	3631.6	3632.4	
Quantity	2531	2978	
Unit Cost	1.435	1.220	-14.98

Average Procurement Unit Cost (APUC)

Cost	3366.1	3397.6	
Quantity	2500	2947	
Unit Cost	1.346	1.153	-14.34

	BY2010 \$M	BY2010 \$M	
Unit Cost	Original UCR Baseline (APR 2011 APB)	Current Estimate (DEC 2012 SAR)	BY % Change

Program Acquisition Unit Cost (PAUC)

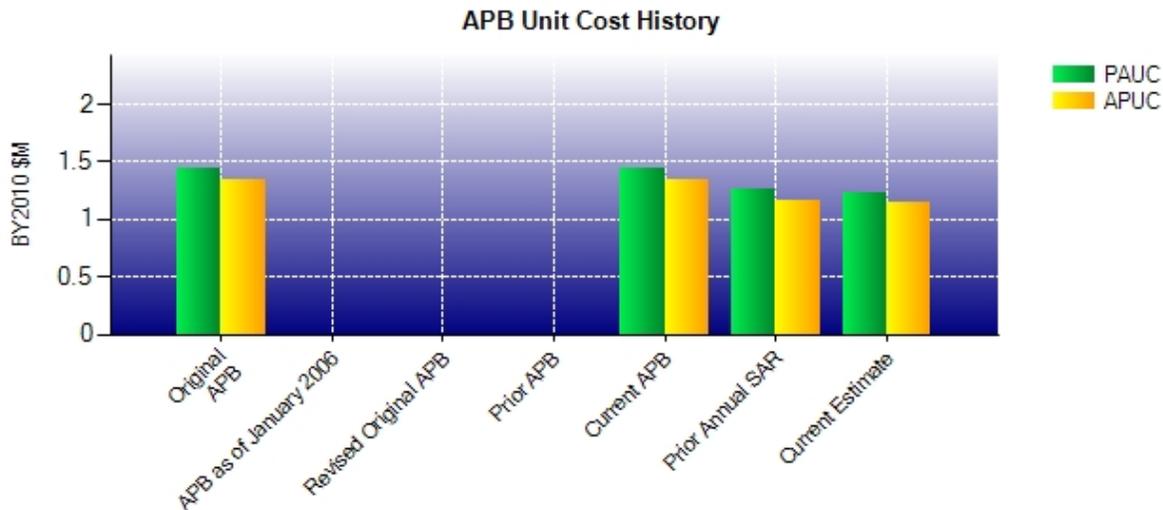
Cost	3631.6	3632.4	
Quantity	2531	2978	
Unit Cost	1.435	1.220	-14.98

Average Procurement Unit Cost (APUC)

Cost	3366.1	3397.6	
Quantity	2500	2947	
Unit Cost	1.346	1.153	-14.34

JASSM-ER

Unit Cost History



	Date	BY2010 \$M		TY \$M	
		PAUC	APUC	PAUC	APUC
Original APB	APR 2011	1.435	1.346	1.733	1.648
APB as of January 2006	N/A	N/A	N/A	N/A	N/A
Revised Original APB	N/A	N/A	N/A	N/A	N/A
Prior APB	N/A	N/A	N/A	N/A	N/A
Current APB	APR 2011	1.435	1.346	1.733	1.648
Prior Annual SAR	DEC 2011	1.255	1.162	1.482	1.390
Current Estimate	DEC 2012	1.220	1.153	1.479	1.417

SAR Unit Cost History

Current SAR Baseline to Current Estimate (TY \$M)

Initial PAUC Prod Est	Changes								PAUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.918	0.064	0.024	-0.068	0.105	0.301	0.000	0.135	0.561	1.479

Current SAR Baseline to Current Estimate (TY \$M)

Initial APUC Prod Est	Changes								APUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.862	0.064	0.018	-0.060	0.101	0.295	0.000	0.137	0.555	1.417

SAR Baseline History

Item/Event	SAR Planning Estimate (PE)	SAR Development Estimate (DE)	SAR Production Estimate (PdE)	Current Estimate
Milestone A	N/A	N/A	N/A	N/A
Milestone B	N/A	N/A	N/A	N/A
Milestone C	N/A	N/A	JAN 2007	JAN 2011
IOC	N/A	N/A	DEC 2008	AUG 2013
Total Cost (TY \$M)	N/A	N/A	2301.4	4404.1
Total Quantity	N/A	N/A	2507	2978
Prog. Acq. Unit Cost (PAUC)	N/A	N/A	0.918	1.479

Cost Variance**JASSM Baseline**

Summary Then Year \$M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Prod Est)	1053.2	1601.4	25.1	2679.7
Previous Changes				
Economic	+8.2	+42.5	--	+50.7
Quantity	--	-345.4	--	-345.4
Schedule	--	+506.0	--	+506.0
Engineering	--	+179.4	--	+179.4
Estimating	-59.2	+24.1	-25.1	-60.2
Other	--	--	--	--
Support	--	+545.4	--	+545.4
Subtotal	-51.0	+952.0	-25.1	+875.9
Current Changes				
Economic	+0.2	+30.7	--	+30.9
Quantity	--	-313.0	--	-313.0
Schedule	--	-146.6	--	-146.6
Engineering	--	-50.1	--	-50.1
Estimating	+48.8	+0.4	--	+49.2
Other	--	--	--	--
Support	--	-211.9	--	-211.9
Subtotal	+49.0	-690.5	--	-641.5
Adjustments	--	--	--	--
Total Changes	-2.0	+261.5	-25.1	+234.4
CE - Cost Variance	1051.2	1862.9	--	2914.1
CE - Cost & Funding	1051.2	1862.9	--	2914.1

Summary Base Year 2010 \$M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Prod Est)	1246.7	1612.8	31.0	2890.5
Previous Changes				
Economic	--	--	--	--
Quantity	--	-248.7	--	-248.7
Schedule	--	--	--	--
Engineering	--	+121.8	--	+121.8
Estimating	-55.8	+418.2	-31.0	+331.4
Other	--	--	--	--
Support	--	+494.4	--	+494.4
Subtotal	-55.8	+785.7	-31.0	+698.9
Current Changes				
Economic	--	--	--	--
Quantity	--	-252.9	--	-252.9
Schedule	--	-113.9	--	-113.9
Engineering	--	-40.5	--	-40.5
Estimating	+38.0	-3.2	--	+34.8
Other	--	--	--	--
Support	--	-162.6	--	-162.6
Subtotal	+38.0	-573.1	--	-535.1
Adjustments	--	--	--	--
Total Changes	-17.8	+212.6	-31.0	+163.8
CE - Cost Variance	1228.9	1825.4	--	3054.3
CE - Cost & Funding	1228.9	1825.4	--	3054.3

Previous Estimate: December 2011

RDT&E	\$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	+0.2
Reallocated funds to the JASSM Baseline program from the JASSM-ER program, FY 2018 to FY 2026. (Estimating)	+38.1	+48.9
Adjustment for current and prior escalation. (Estimating)	-0.1	-0.1
RDT&E Subtotal	+38.0	+49.0

Procurement	\$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	+30.7
Acceleration of procurement buy profile. (Schedule) (QR)	0.0	-5.4
Total Quantity variance resulting from a decrease of 447 missiles from 2,400 to 1,953. All JASSM Baseline funding and quantities were transitioned to an all JASSM-ER program, FY 2017 to FY 2035. (Subtotal)	-412.7	-511.0
Quantity variance resulting from a decrease of 447 missiles from 2,400 to 1,953. (Quantity) (QR)	(-252.9)	(-313.0)
Allocation to Schedule resulting from Quantity change. (Schedule) (QR)	(-113.9)	(-141.2)
Allocation to Engineering resulting from Quantity change. (Engineering) (QR)	(-40.5)	(-50.1)
Allocation to Estimating resulting from Quantity change. (Estimating) (QR)	(-5.4)	(-6.7)
Adjustment for current and prior escalation. (Estimating)	-3.0	-3.0
Revised estimate due to the 447 quantity shift between JASSM baseline and JASSM-ER. (Estimating) (QR)	+5.2	+10.1
Adjustment for current and prior escalation. (Support)	-0.7	-1.0
Decrease in Other Support. JASSM Baseline program ends in FY 2016. All funding requirements between FY 2017 to FY 2035 transitioned to the JASSM-ER program. (Support) (QR)	-161.9	-210.9
Procurement Subtotal	-573.1	-690.5

(QR) Quantity Related

Cost Variance**JASSM-ER**

Summary Then Year \$M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Prod Est)	146.6	2154.8	--	2301.4
Previous Changes				
Economic	+2.4	+104.3	--	+106.7
Quantity	+64.9	--	--	+64.9
Schedule	-25.8	-113.4	--	-139.2
Engineering	+14.7	+269.2	--	+283.9
Estimating	+71.6	+851.8	--	+923.4
Other	--	--	--	--
Support	--	+209.4	--	+209.4
Subtotal	+127.8	+1321.3	--	+1449.1
Current Changes				
Economic	+1.0	+83.9	--	+84.9
Quantity	--	+436.6	--	+436.6
Schedule	--	-62.4	--	-62.4
Engineering	--	+29.0	--	+29.0
Estimating	-46.3	+18.6	--	-27.7
Other	--	--	--	--
Support	--	+193.2	--	+193.2
Subtotal	-45.3	+698.9	--	+653.6
Total Changes	+82.5	+2020.2	--	+2102.7
CE - Cost Variance	229.1	4175.0	--	4404.1
CE - Cost & Funding	229.1	4175.0	--	4404.1

Summary Base Year 2010 \$M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Prod Est)	159.1	2035.9	--	2195.0
Previous Changes				
Economic	--	--	--	--
Quantity	+50.4	--	--	+50.4
Schedule	-7.2	--	--	-7.2
Engineering	+10.8	+182.6	--	+193.4
Estimating	+58.2	+506.6	--	+564.8
Other	--	--	--	--
Support	--	+180.9	--	+180.9
Subtotal	+112.2	+870.1	--	+982.3
Current Changes				
Economic	--	--	--	--
Quantity	--	+332.0	--	+332.0
Schedule	--	-9.3	--	-9.3
Engineering	--	+22.0	--	+22.0
Estimating	-36.5	+6.0	--	-30.5
Other	--	--	--	--
Support	--	+140.9	--	+140.9
Subtotal	-36.5	+491.6	--	+455.1
Total Changes	+75.7	+1361.7	--	+1437.4
CE - Cost Variance	234.8	3397.6	--	3632.4
CE - Cost & Funding	234.8	3397.6	--	3632.4

Previous Estimate: December 2011

RDT&E	\$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	+1.0
Reallocated funds to JASSM Baseline from JASSM-ER between FY 2018 to FY 2026. (Estimating)	-36.4	-46.2
Reduction to Small Business Innovation Research. (Estimating)	-0.1	-0.1
RDT&E Subtotal	-36.5	-45.3

Procurement	\$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	+83.9
Acceleration of procurement buy profile. (Schedule) (QR)	0.0	-50.2
Total Quantity variance resulting from an increase of 447 from 2,500 to 2,947. The JASSM program will transition to an all JASSM-ER missile in FY 2017. All funding and quantity requirements associated with the JASSM Baseline have transitioned to the JASSM-ER program between FY 2017 to FY 2035. (Subtotal)	+414.2	+544.7
Quantity variance resulting from an increase of 447 missiles from 2,500 to 2,947. (Quantity) (QR)	(+332.0)	(+436.6)
Allocation to Schedule resulting from Quantity change. (Schedule) (QR)	(-9.3)	(-12.2)
Allocation to Engineering resulting from Quantity change. (Engineering) (QR)	(+22.0)	(+29.0)
Allocation to Estimating resulting from Quantity change. (Estimating) (QR)	(+69.5)	(+91.3)
Revised estimate due to the 447 quantity shift between JASSM baseline and JASSM-ER. (Estimating) (QR)	-62.1	-71.3
Adjustment for current and prior escalation. (Estimating)	-1.4	-1.4
Adjustment for current and prior escalation. (Support)	-0.2	-0.3
Increase in Other Support. The JASSM program will transition to an all JASSM-ER missile in FY 2017. All support funding from the JASSM Baseline program transitioned to the JASSM-ER program between FY 2017 to FY 2035. (Support) (QR)	+141.1	+193.5
Procurement Subtotal	+491.6	+698.9

(QR) Quantity Related

Contracts

Appropriation: Procurement

Contract Name **JASSM Prod (Lot 8)**
 Contractor Lockheed Martin--Missile & Fire Control
 Contractor Location 5600 West Sand Lake Road
 Orlando, FL 32819
 Contract Number, Type FA8682-10-C-0016, FFP
 Award Date January 20, 2010
 Definitization Date September 30, 2010

Initial Contract Price (\$M)			Current Contract Price (\$M)			Estimated Price At Completion (\$M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
111.3	N/A	80	113.1	N/A	80	113.1	113.1

Cost And Schedule Variance Explanations

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

Contract Comments

The difference between the Initial Contract Price Target and the Current Contract Price Target is due to the following contract modifications. Telemetry & Flight Termination System Battery Buy, Container Requalification, Period of Performance Extension and Ship to Department of Defense Activity Address Code, Downward Adjustment in accordance with JASSM-H017 Engine Reopener Clause, Award Systems Engineering for baseline, Baseline Systems Engineering 2-Month Extension, Baseline Fuze Delta Qualification, and Production Verification Test flight test & Safety of Highly Accelerated Stress Screens.

The current negotiated cost for the Lot 8 contract is \$216.3 million which includes Research & Development, Production, Foreign Military Sales, and Operations & Maintenance funding. The funding identified here only represents production funding placed on contract to support 80 Baseline missiles, to include reliability efforts and test support.

This contract is more than 90% complete; therefore, this is the final report for this contract.

Appropriation: RDT&E

Contract Name **JASSM R&D (Lot 8)**
 Contractor Lockheed-Martin--Missile and Fire Control
 Contractor Location 5600 West Sand Lake Road
 Orlando, FL 32819
 Contract Number, Type FA8682-10-C-0016/2, FFP
 Award Date January 20, 2010
 Definitization Date September 30, 2010

Initial Contract Price (\$M)			Current Contract Price (\$M)			Estimated Price At Completion (\$M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
39.4	N/A	12	38.5	N/A	12	38.5	38.5

Cost And Schedule Variance Explanations

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

Contract Comments

The difference between the Initial Contract Price Target and the Current Contract Price Target is due to the following contract modifications. JASSM-ER Systems Engineering Period of Performance Extension, Block 1, Confidence Testing, and four Failure Review Boards.

The current negotiated cost for the Lot 8 contract is \$216.3 million which includes Research & Development (R&D), Production, Foreign Military Sales, and Operations & Maintenance funding. The funding identified here only represents R&D funding placed on contract to support the twelve Operational Test JASSM-ER missiles, to include reliability efforts and test support.

This contract is more than 90% complete; therefore, this is the final report for this contract.

Appropriation: Procurement

Contract Name **JASSM (Lot 9)**
Contractor Lockheed Martin--Missile & Fire Control
Contractor Location 5600 West Sand Lake Road
 Orlando, FL 32819
Contract Number, Type FA8682-11-C-0001, FFP
Award Date April 04, 2011
Definitization Date April 04, 2011

Initial Contract Price (\$M)			Current Contract Price (\$M)			Estimated Price At Completion (\$M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
162.7	N/A	125	218.9	N/A	200	218.9	218.9

Cost And Schedule Variance Explanations

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

Contract Comments

The difference between the Initial Contract Price Target and the Current Contract Price Target is due to the following contract modifications. The quantity increased from 125 to 200, Teledyne Engine Consideration decrease, Physical Configuration Audit, Leading Edge Tool (C-Channel), and JASSM ANTI-JAM Global Positioning System (GPS) RECEIVER – Selective Availability Anti-Spoofing Module (Joint Advance GPS Receiver-Space) (SAASM (JAGR-S)) Last Time Buy.

An Above Threshold Reprogramming package was approved in FY 2011 enabling the program office to buy the original plan of 170 JASSM Baseline and 30 JASSM-ER missiles.

The current negotiated cost for the Lot 9 contract is \$219.6 million which includes Production and Operations & Maintenance funding. The funding identified here only represents production funding placed on contract to support the 200 missiles.

Appropriation: Procurement

Contract Name **JASSM Prod (Lot 10)**
 Contractor Lockheed Martin--Missile & Fire Control
 Contractor Location 5600 West Sand Lake Road
 Orlando, FL 32819
 Contract Number, Type FA8682-12-C-0006, FFP
 Award Date June 15, 2012
 Definitization Date June 15, 2012

Initial Contract Price (\$M)			Current Contract Price (\$M)			Estimated Price At Completion (\$M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
230.3	N/A	221	233.9	N/A	221	233.9	233.9

Cost And Schedule Variance Explanations

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

Contract Comments

This is the first time this contract is being reported.

The difference between the Initial Contract Price Target and the Current Contract Price Target is due to the following contract modifications. Integration Station Support Tooling, NiCad Cells, and ER Mold Tooling.

The current negotiated cost for the Lot 10 contract is \$242.1 million which includes Research & Development, Production, Foreign Military Sales, and Operations & Maintenance funding. The funding identified here only represents production funding placed on contract to support 221 missiles; 191 JASSM Baseline and 30 JASSM-ER missiles.

Appropriation: RDT&E

Contract Name **JASSM R&D (Lot 10)**
 Contractor Lockheed Martin
 Contractor Location 5600 West Sand Lake Road
 Orlando, FL 32819
 Contract Number, Type FA8682-12-C-0006/2, FFP
 Award Date June 15, 2012
 Definitization Date June 15, 2012

Initial Contract Price (\$M)			Current Contract Price (\$M)			Estimated Price At Completion (\$M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
3.7	N/A	6	3.7	N/A	6	3.7	3.7

Cost And Schedule Variance Explanations

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

Contract Comments

This is the first time this contract is being reported.

The contract information represents the Research and Development Contract Line Item Number for the Lot 10 contract only. Funding buys six Test Instrumentation Kits that will be provided as Government Furnished Equipment to test missiles.

Deliveries and Expenditures

JASSM Baseline

Deliveries To Date	Plan To Date	Actual To Date	Total Quantity	Percent Delivered
Development	87	87	87	100.00%
Production	1179	1166	1953	59.70%
Total Program Quantities Delivered	1266	1253	2040	61.42%

Expenditures and Appropriations (TY \$M)

Total Acquisition Cost	2914.1	Years Appropriated	18
Expenditures To Date	2035.0	Percent Years Appropriated	58.06%
Percent Expended	69.83%	Appropriated to Date	2442.6
Total Funding Years	31	Percent Appropriated	83.82%

The above data is current as of 3/31/2013.

Production deliveries: Lots 1-8 total 1,133. Lot 9 total is 32.

JASSM-ER

Deliveries To Date	Plan To Date	Actual To Date	Total Quantity	Percent Delivered
Development	31	31	31	100.00%
Production	0	0	2947	0.00%
Total Program Quantities Delivered	31	31	2978	1.04%

Expenditures and Appropriations (TY \$M)

Total Acquisition Cost	4404.1	Years Appropriated	11
Expenditures To Date	267.0	Percent Years Appropriated	33.33%
Percent Expended	6.06%	Appropriated to Date	402.5
Total Funding Years	33	Percent Appropriated	9.14%

The above data is current as of 3/31/2013.

Operating and Support Cost

JASSM Baseline

Assumptions and Ground Rules

Cost Estimate Reference:

The JASSM Operating and Support (O&S) estimate includes requirements for 1,953 JASSM Baseline missiles. The latest O&S Cost estimate was prepared in January 2013 using the 2010 cost model approved by the Cost Analysis Improvement Group. This estimate has been updated to reflect the current quantity mix of JASSM Baseline and JASSM-ER missiles.

Sustainment Strategy:

The sustainment and readiness plan/estimate for JASSM has evolved to limited field repair and depot maintenance covered under a 15-year warranty. A 15-year warranty is assumed with a 15-year shelf-life and the subsequent demilitarization of the weapon. The JASSM Product Support Integrated Product Team (IPT) and Production IPT manage the warranty and field support.

The total Average cost of \$8.6 million (M) (Base Year (BY) 2010) is calculated in production during FY 2003 - FY 2018, plus 15 years of service-life, for a total of 30 years or FY 2032.

Antecedent Information:

There is no antecedent information for JASSM.

Unitized O&S Costs BY2010 \$M		
Cost Element	JASSM Baseline Average Annual Cost for all Baselines	No Antecedent (Antecedent) No Antecedent
Unit-Level Manpower	1.0	0.0
Unit Operations	0.0	0.0
Maintenance	0.3	0.0
Sustaining Support	2.5	0.0
Continuing System Improvements	4.1	0.0
Indirect Support	0.7	0.0
Other	0.0	0.0
Total	8.6	--

Unitized Cost Comments:

The total O&S Average Annual Cost of \$8.6M (BY 2010) is for 30 years (through FY 2032 for the JASSM Baseline service-life).

	Total O&S Cost \$M			
	Current Production APB Objective/Threshold		Current Estimate	
	JASSM Baseline	JASSM Baseline	No Antecedent (Antecedent)	
Base Year	541.0	595.1	258.9	N/A
Then Year	562.2	N/A	297.1	N/A

Total O&S Costs Comments:

JASSM Baseline is a wooden round, meaning there is no routine maintenance required. Also, because production quantities have varied from lot to lot and assets continue to be expended during testing, an average unit cost is not a good indicator of O&S Costs. For those reasons, total O&S Costs were reported in previous years.

Cost Variance information (\$BY10): The following factors drove a \$27.3M decrease in the JASSM O&S Cost: 1) JASSM Baseline missile production will end in FY 2016 and transition to an all JASSM-ER starting in FY 2017. Missile quantities will decrease for the JASSM Baseline and increase for JASSM-ER and 2) Disposal costs were removed from O&S totals and listed separately.

JASSM Baseline (\$BY10): Since JASSM Baseline will transition to an all JASSM-ER program in FY 2017 all funding and quantities shifted to the JASSM-ER program. JASSM Baseline missiles decreased from 2,400 to 1,953, totaling a -447 quantity decrease. The service life decreased by five years, from 35 years, through 2037 to 30 years, through 2032. Disposal cost were removed from the O&S totals and listed separately. The total O&S Cost of \$258.9M is a decrease of -\$88.7M. The total demilitarization is \$54.5M, a decrease of -\$12.5M. Total decrease from 2011 SAR to 2012 SAR (\$BY) was -\$101.2M.

Disposal Costs

The total estimated Demilitarization cost is \$54.5M (BY 2010). This cost was previously reported in the SAR as an O&S Cost.

JASSM-ER**Assumptions and Ground Rules**Cost Estimate Reference:

The JASSM Operating and Support (O&S) estimate includes requirements for 2,947 JASSM-ER missiles. The latest O&S Cost estimate was prepared in January 2013 using the 2010 cost model approved by the Cost Analysis Improvement Group. This estimate has been updated to reflect the current quantity mix of JASSM Baseline and JASSM-ER missiles.

Sustainment Strategy:

The sustainment and readiness plan/estimate for JASSM has evolved to limited field repair and depot maintenance covered under a 15-year warranty. A 15-year warranty is assumed with a 15-year shelf-life and the subsequent demilitarization of the weapon. The JASSM Product Support Integrated Product Team (IPT) and Production IPT manage the warranty and field support.

The total Average cost of \$17.2 million (M) (Base Year (BY) 2010) is calculated in production during FY 2012 - FY 2025, plus 15 years of service-life, for a total of 28 years or FY 2040.

Antecedent Information:

There is no antecedent information for JASSM.

Unitized O&S Costs BY2010 \$M		
Cost Element	JASSM-ER Average Annual Cost for all ERs	No Antecedent (Antecedent) No Antecedent
Unit-Level Manpower	1.9	0.0
Unit Operations	0.0	0.0
Maintenance	3.3	0.0
Sustaining Support	2.5	0.0
Continuing System Improvements	8.2	0.0
Indirect Support	1.3	0.0
Other	0.0	0.0
Total	17.2	--

Unitized Cost Comments:

The total Average Annual O&S cost of \$17.2M (BY 2010) is for 28 years (through FY 2040 for the JASSM-ER service-life).

	Total O&S Cost \$M			
	Current Production APB Objective/Threshold		Current Estimate	
	JASSM-ER		JASSM-ER	No Antecedent (Antecedent)
Base Year	658.5	724.4	482.7	N/A
Then Year	862.9	N/A	712.1	N/A

Total O&S Costs Comments:

JASSM-ER is a wooden round, meaning there is no routine maintenance required. Also, because production quantities have varied from lot to lot and assets continue to be expended during testing, an average unit cost is not a good indicator of operating and sustainment. For those reasons, total O&S Costs were reported in previous years.

Cost Variance information (\$BY10): The following factors drove a \$27.3M decrease in the JASSM O&S Cost: 1) JASSM Baseline missile production will end in FY 2016 and transition to an all JASSM-ER starting in FY 2017. Missile quantities will decrease for the JASSM Baseline and increase for JASSM-ER and 2) Disposal costs were removed from O&S totals and listed separately.

JASSM-ER (\$BY10): Missile quantities increased from 2,500 to 2,947, totaling a +447 quantity increase. The service-life remains the same at 28 years, through 2040. Additionally, the JASSM-ER program was given additional funding to shift 40 additional missiles into the current Future Year Defense Plan, 20 in FY 2014 and 20 in FY 2015. Disposal cost were removed from the O&S totals and listed separately. The total O&S Cost of \$482.7M is a increase of \$59.6M. The total demilitarization is \$87.4M, an increase of \$14.3M. Total increase from 2011 SAR to 2012 SAR (\$BY) was \$73.9M.

Disposal Costs

The total estimated Demilitarization cost is \$87.4M (BY 2010). This cost was previously reported in the SAR as an O&S Cost.