



# Selected Acquisition Report (SAR)

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



## **JASSM (JASSM/JASSM-ER)**

As of December 31, 2011

Defense Acquisition Management  
Information Retrieval  
(DAMIR)

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**UNCLASSIFIED**

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## Program Information

### Designation And Nomenclature (Popular Name)

Joint Air-to-Surface Standoff Missile (JASSM)

### DoD Component

Air Force

### Joint Participants

Department of the Navy

## Responsible Office

### Responsible Office

Col William Ellis	<b>Phone</b>	850-883-5340
Long Range Systems Range Division (AAC/EBJ)	<b>Fax</b>	850-882-5394
JASSM System Program Office	<b>DSN Phone</b>	875-5340
205 West D Ave, Suite 632, Bldg 350	<b>DSN Fax</b>	872-5394
Eglin AFB, FL 32542-6807		
<a href="mailto:william.ellis@eglin.af.mil">william.ellis@eglin.af.mil</a>	<b>Date Assigned</b>	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 (USAF) 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 or less using the Imaging Infrared [IIR] seeker and less than 13 meters 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 (Baseline) or greater than 500 nautical miles (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

In 2011, the JASSM program office made significant progress in production and testing on both the JASSM Baseline and JASSM-Extended Range (JASSM-ER). On January 10, 2011, USD(AT&L), signed and issued the JASSM-ER Milestone C Acquisition Decision Memorandum, approving JASSM-ER's entry into Low Rate Initial Production. In addition, the revised JASSM Acquisition Program Baseline was signed by the Defense Acquisition Executive on April 4, 2011. Finally the JASSM/JASSM-ER program had a successful Defense Acquisition Executive Summary review on November 4, 2011, chaired by the USD(AT&L).

### Production:

On March 8, 2011, an Above Threshold Reprogramming package was approved. Of the original \$90M request, \$53.4M was approved. On April 4, 2011, the Lot 9 contract was awarded for 95 JASSM Baselines and 30 JASSM-ER at a cost of \$162.7M. In anticipation of National Defense Authorization Act direction, the program office negotiated an option with the contractor to garner lower prices. This option was executed when the program office received budget authority and authorization required, increasing Lot 9 production levels to the original plan of 170 JASSM Baseline and 30 JASSM-ERs. On May 9, 2011, the contract modification was completed fulfilling better buying power initiatives.

In April 2011, the program office completed the world-wide retrofit of Wing Retention Devices on all 960 JASSM missiles. In August 2011, 51 JASSM missiles were returned from Guam and Letterkenny with coating anomalies and were inspected at the contractor facility. These coating anomalies are covered under the warranty and these missiles will be stripped and recoated. Finally, on November 17, 2011, the Lot 8 fuze passed a Lot Acceptance Test (LAT) resulting in 32 fuzes being delivered to the production line. This allowed delivery of the first six JASSM, Lot 8 missiles in December 2011. The program office will conduct additional fuze LAT and if successful, will produce the remaining 127 fuzes needed to complete Lot 8 production.

### Testing:

During 2011, the JASSM program conducted 13 tests. All 13 were successful, validating a continuous improvement in reliability. Notable test events follow:

On June 30, 2011, JASSM Production Verification Test (PVT)-9 was successfully released from a B-52 at an altitude of 25,000 feet over White Sands Missile Range (WSMR). The missile navigated a pre-planned route of multiple waypoints for approximately 27 minutes before striking the target. The purpose of PVT-9 was to prove out the production Lot 8 mission software and all indications are it operated properly. On July 21, 2011, JASSM-ER Operational Testing began with a 3-missile launch event. The Air Force Operational Test and Evaluation Center (AFOTEC) quick-look report indicated all three missiles separated, flew, and impacted the targets nominally. This was the first of 6 flight events (16 missiles total) for Initial Operational Test & Evaluation (IOT&E). AFOTEC conducted the second of six scheduled IOT&E flights on October 21, 2011. Two JASSM-ER assets were released from a B1-B over WSMR. An initial assessment indicates both were nominal test events within all planned flight parameters resulting in high-order warhead detonations. Finally, on October 25, 2011, the Weapon System Evaluation Program conducted four JASSM Baseline flight test shots at WSMR. The missions were flown by operational crews using four B-1 bombers: two from Dyess Air Force Base and two from Ellsworth Air Force Base. All four shots were scored as successes by the Test Data Scoring Board. In addition, three Foreign Military Sales test missions were conducted in Australia in July 2011, all three were successful.

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"/>
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"/>
Unit Cost	PAUC	<input type="checkbox"/>
	APUC	<input type="checkbox"/>

Nunn-McCurdy Breaches		
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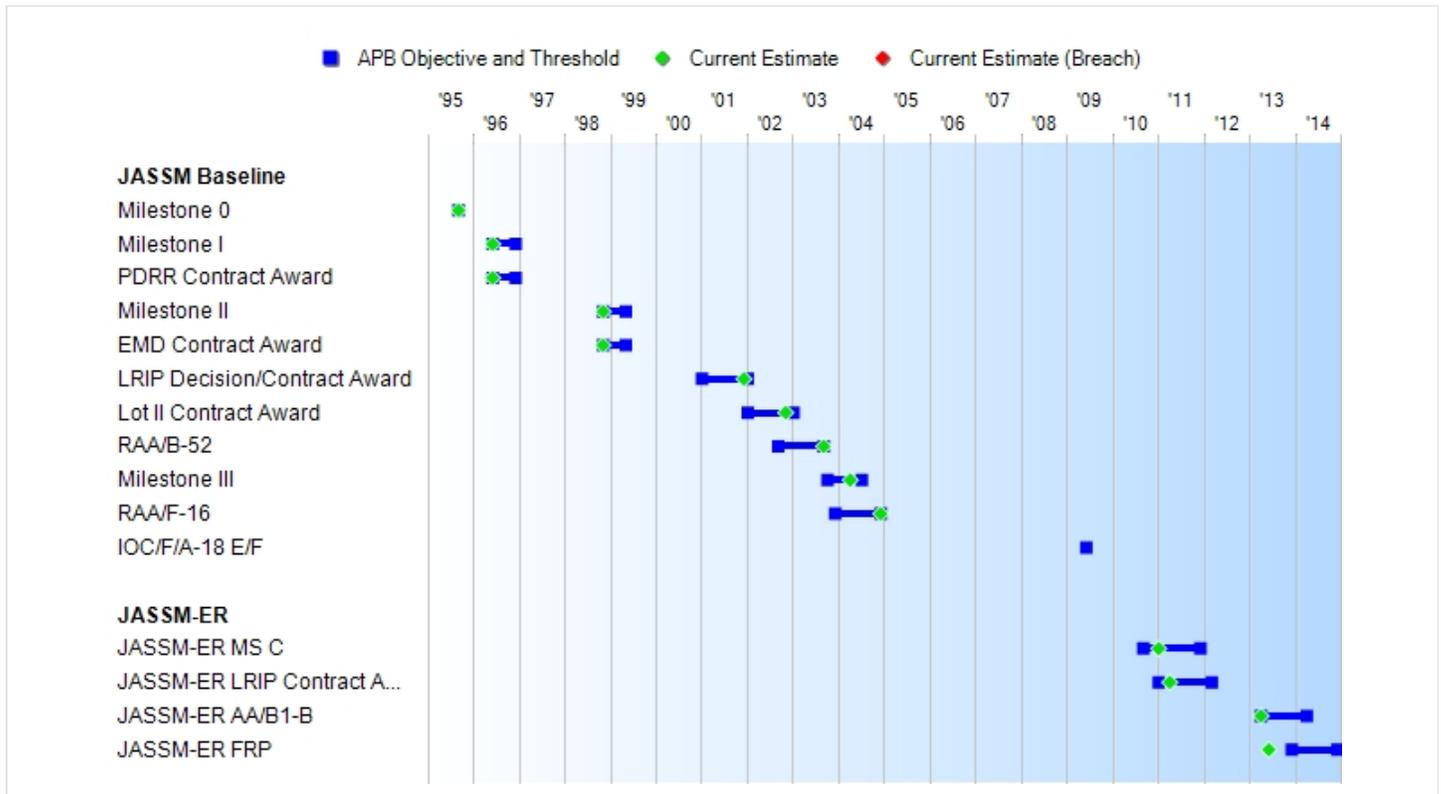
#### Current UCR Baseline

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	APR 2013
JASSM-ER FRP	DEC 2013	DEC 2013	DEC 2014	JUN 2013

### Acronyms And Abbreviations

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

### Change Explanations

None

### Memo

The January 10, 2011 Acquisition Decision Memorandum (ADM) was signed approving MS C for JASSM-ER increment. Low-Rate Initial Production (LRIP) was approved for 100 to 190 JASSM-ER missiles (4% to 7.6% of JASSM-ER total procurement). The ADM also approved Full Rate Production (FRP) entrance criteria. The JASSM-ER increment will return for a FRP decision in FY2013.

## Performance

JASSM Baseline					
Characteristics	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Demonstrated Performance	Current Estimate
Missile Mission Effectiveness (MME) (KPP)	One Missile per target	One Missile per target	55 Missiles for 17 target types	Classified	One Missile per target
Carrier Operability (KPP)	Compatible with carrier ops	Compatible with carrier ops	Compatible with carrier ops	TBD	None
Interoperability (KPP)	100% of top-level IER	100% of top-level IER	100% of top-level IER designated critical	Classified	100% of top-level IER

### Requirements Source:

Operational Requirements Document (ORD) Combat Air Force (CAF) 303-95-III dated January 20, 2004.

### Acronyms And Abbreviations

IER - Information Exchange Requirements  
 KPP - Key Performance Parameter  
 MME - Missile Mission Effectiveness  
 OPS - Operations  
 TBD - To Be Determined

### Change Explanations

None

JASSM-ER					
Characteristics	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Demonstrated Performance	Current Estimate
Missile Mission Effectiveness (MME) (KPP) (CPD Para 6.1.2)	20 for 17	20 for 17	55 Missiles for 17 target types	TBD	20 for 17
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	TBD	All Ops
Missile Reliability (KSA) (CPD para 6.2.8)	4th Lot.91	4th Lot.91	IOT&E-.80 4th Lot-.85	TBD	4th Lot.91

**Requirements Source:** Capability Production Document (CPD), approved by Joint Requirements Oversight Council (JROC) April 16, 2010. JASSM-ER Annex to the JASSM ORD III, approved by JROC January 31, 2005. ORD CAF 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  
OPS - Operations  
para - paragraph  
TBD - To Be Determined

#### **Change Explanations**

None

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

**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		(Sunk)

**Procurement**

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

**Track To Budget****JASSM-ER****RDT&E**

APPN 3600	BA 07	PE 0207325F	(Air Force)
	Project 4515	Joint Air-to-Surface Standoff Missile	(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	--	1462.2	1199.8	1252.6	1276.6
Procurement	3648.7	5869.3	--	5304.5	3756.2	6785.0	6029.5
Flyaway	3510.3	--	--	4490.8	3617.5	--	5123.3
Recurring	3510.3	--	--	4490.8	3617.5	--	5123.3
Non Recurring	0.0	--	--	0.0	0.0	--	0.0
Support	138.4	--	--	813.7	138.7	--	906.2
Other Support	138.4	--	--	813.7	138.7	--	906.2
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	6766.7	4981.1	8037.6	7306.1

## 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	1190.9	1053.2	985.6	1002.2
Procurement	1612.8	2503.2	2753.5	2398.5	1601.4	2664.7	2553.4
Flyaway	1537.1	--	--	1828.4	1529.6	--	1935.2
Recurring	1537.1	--	--	1828.4	1529.6	--	1935.2
Non Recurring	0.0	--	--	0.0	0.0	--	0.0
Support	75.7	--	--	570.1	71.8	--	618.2
Other Support	75.7	--	--	570.1	71.8	--	618.2
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	3589.4	2679.7	3650.3	3555.6

Confidence Level is 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 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. 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	2400
Total	2940	2487	2487

**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	271.3	146.6	267.0	274.4
Procurement	2035.9	3366.1	3702.7	2906.0	2154.8	4120.3	3476.1
Flyaway	1973.2	--	--	2662.4	2087.9	--	3188.1
Recurring	1973.2	--	--	2662.4	2087.9	--	3188.1
Non Recurring	0.0	--	--	0.0	0.0	--	0.0
Support	62.7	--	--	243.6	66.9	--	288.0
Other Support	62.7	--	--	243.6	66.9	--	288.0
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	3177.3	2301.4	4387.3	3750.5

Confidence Level is 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 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. 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	2500
Total	2507	2531	2531

**Cost and Funding****Funding Summary - Total Program**

**Appropriation and Quantity Summary - Total Program  
FY2013 President's Budget / December 2011 SAR (TY\$ M)**

<b>Appropriation</b>	<b>Prior</b>	<b>FY2012</b>	<b>FY2013</b>	<b>FY2014</b>	<b>FY2015</b>	<b>FY2016</b>	<b>FY2017</b>	<b>To Complete</b>	<b>Total</b>
RDT&E	1175.2	5.8	7.9	8.7	16.3	13.2	4.5	45.0	1276.6
Procurement	1168.1	236.2	240.4	269.2	319.1	449.7	444.1	2902.7	6029.5
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 2013 Total	2343.3	242.0	248.3	277.9	335.4	462.9	448.6	2947.7	7306.1
PB 2012 Total	2340.3	242.0	241.3	271.5	320.6	556.3	294.4	3771.1	8037.5
Delta	3.0	0.0	7.0	6.4	14.8	-93.4	154.2	-823.4	-731.4

## Cost and Funding

### Funding Summary - JASSM Baseline

#### Appropriation and Quantity Summary - JASSM Baseline FY2013 President's Budget / December 2011 SAR (TY\$ M)

Appropriation	Prior	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	To Complete	Total
RDT&E	981.7	0.0	3.9	4.1	4.1	4.1	4.3	0.0	1002.2
Procurement	1112.2	167.2	155.2	143.2	142.4	120.3	118.3	594.6	2553.4
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 2013 Total	2093.9	167.2	159.1	147.3	146.5	124.4	122.6	594.6	3555.6
PB 2012 Total	2079.6	157.6	156.1	141.7	128.5	86.9	111.4	788.2	3650.0
Delta	14.3	9.6	3.0	5.6	18.0	37.5	11.2	-193.6	-94.4

Quantity	Undistributed	Prior	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	To Complete	Total
Development	87	0	0	0	0	0	0	0	0	87
Production	0	1361	112	117	103	104	100	100	403	2400
PB 2013 Total	87	1361	112	117	103	104	100	100	403	2487
PB 2012 Total	87	1314	112	117	103	104	76	82	492	2487
Delta	0	47	0	0	0	0	24	18	-89	0

## Funding Summary - JASSM-ER

### Appropriation and Quantity Summary - JASSM-ER FY2013 President's Budget / December 2011 SAR (TY\$ M)

Appropriation	Prior	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	To Complete	Total
RDT&E	193.5	5.8	4.0	4.6	12.2	9.1	0.2	45.0	274.4
Procurement	55.9	69.0	85.2	126.0	176.7	329.4	325.8	2308.1	3476.1
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 2013 Total	249.4	74.8	89.2	130.6	188.9	338.5	326.0	2353.1	3750.5
PB 2012 Total	260.7	84.4	85.2	129.8	192.1	469.4	183.0	2982.9	4387.5
Delta	-11.3	-9.6	4.0	0.8	-3.2	-130.9	143.0	-629.8	-637.0

Quantity	Undistributed	Prior	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	To Complete	Total
Development	31	0	0	0	0	0	0	0	0	31
Production	0	30	30	40	60	100	260	260	1720	2500
PB 2013 Total	31	30	30	40	60	100	260	260	1720	2531
PB 2012 Total	31	30	30	40	60	100	250	100	1890	2531
Delta	0	0	0	0	0	0	10	160	-170	0

## 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	--	--	--	--	--	--	4.1
2015	--	--	--	--	--	--	4.1
2016	--	--	--	--	--	--	4.1
2017	--	--	--	--	--	--	4.3
<b>Subtotal</b>	<b>81</b>	--	--	--	--	--	<b>946.9</b>

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

<b>Fiscal Year</b>	<b>Quantity</b>	<b>End Item Recurring Flyaway BY 2010 \$M</b>	<b>Non End Item Recurring Flyaway BY 2010 \$M</b>	<b>Non Recurring Flyaway BY 2010 \$M</b>	<b>Total Flyaway BY 2010 \$M</b>	<b>Total Support BY 2010 \$M</b>	<b>Total Program BY 2010 \$M</b>
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	--	--	--	--	--	--	3.7
2014	--	--	--	--	--	--	3.8
2015	--	--	--	--	--	--	3.7
2016	--	--	--	--	--	--	3.6
2017	--	--	--	--	--	--	3.8
<b>Subtotal</b>	<b>81</b>	--	--	--	--	--	<b>1127.1</b>

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

<b>Fiscal Year</b>	<b>Quantity</b>	<b>End Item Recurring Flyaway TY \$M</b>	<b>Non End Item Recurring Flyaway TY \$M</b>	<b>Non Recurring Flyaway TY \$M</b>	<b>Total Flyaway TY \$M</b>	<b>Total Support TY \$M</b>	<b>Total Program TY \$M</b>
1998	--	--	--	--	--	--	5.3
1999	--	--	--	--	--	--	1.8
2000	--	--	--	--	--	--	3.4
2001	--	--	--	--	--	--	2.0
2002	--	--	--	--	--	--	5.9
2003	--	--	--	--	--	--	16.1
2004	--	--	--	--	--	--	20.8
<b>Subtotal</b>	<b>6</b>	--	--	--	--	--	<b>55.3</b>

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

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

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

<b>Fiscal Year</b>	<b>Quantity</b>	<b>End Item Recurring Flyaway TY \$M</b>	<b>Non End Item Recurring Flyaway TY \$M</b>	<b>Non Recurring Flyaway TY \$M</b>	<b>Total Flyaway TY \$M</b>	<b>Total Support TY \$M</b>	<b>Total Program TY \$M</b>
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	8.7	11.3
2011	171	148.3	--	--	148.3	17.6	165.9
2012	112	130.8	--	--	130.8	36.4	167.2
2013	117	124.2	--	--	124.2	31.0	155.2
2014	103	112.1	--	--	112.1	31.1	143.2
2015	104	109.7	--	--	109.7	32.7	142.4
2016	100	94.3	--	--	94.3	26.0	120.3
2017	100	95.0	--	--	95.0	23.3	118.3
2018	100	97.2	--	--	97.2	26.1	123.3
2019	100	97.4	--	--	97.4	26.6	124.0
2020	100	98.8	--	--	98.8	27.2	126.0
2021	103	124.9	--	--	124.9	27.8	152.7
2022	--	--	--	--	--	4.4	4.4
2023	--	--	--	--	--	4.4	4.4
2024	--	--	--	--	--	4.5	4.5
2025	--	--	--	--	--	4.6	4.6
2026	--	--	--	--	--	4.7	4.7
2027	--	--	--	--	--	4.8	4.8
2028	--	--	--	--	--	4.8	4.8
2029	--	--	--	--	--	4.9	4.9
2030	--	--	--	--	--	5.0	5.0
2031	--	--	--	--	--	5.1	5.1
2032	--	--	--	--	--	5.2	5.2
2033	--	--	--	--	--	5.3	5.3
2034	--	--	--	--	--	5.4	5.4
2035	--	--	--	--	--	5.5	5.5
<b>Subtotal</b>	<b>2400</b>	<b>1935.0</b>	<b>0.2</b>	<b>--</b>	<b>1935.2</b>	<b>618.2</b>	<b>2553.4</b>

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

<b>Fiscal Year</b>	<b>Quantity</b>	<b>End Item Recurring Flyaway BY 2010 \$M</b>	<b>Non End Item Recurring Flyaway BY 2010 \$M</b>	<b>Non Recurring Flyaway BY 2010 \$M</b>	<b>Total Flyaway BY 2010 \$M</b>	<b>Total Support BY 2010 \$M</b>	<b>Total Program BY 2010 \$M</b>
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	51.4	179.5
2010	3	2.5	--	--	2.5	8.5	11.0
2011	171	142.1	--	--	142.1	16.9	159.0
2012	112	123.2	--	--	123.2	34.3	157.5
2013	117	115.0	--	--	115.0	28.7	143.7
2014	103	102.0	--	--	102.0	28.3	130.3
2015	104	98.1	--	--	98.1	29.2	127.3
2016	100	82.8	--	--	82.8	22.9	105.7
2017	100	82.0	--	--	82.0	20.1	102.1
2018	100	82.4	--	--	82.4	22.1	104.5
2019	100	81.1	--	--	81.1	22.1	103.2
2020	100	80.8	--	--	80.8	22.2	103.0
2021	103	100.3	--	--	100.3	22.4	122.7
2022	--	--	--	--	--	3.5	3.5
2023	--	--	--	--	--	3.4	3.4
2024	--	--	--	--	--	3.4	3.4
2025	--	--	--	--	--	3.4	3.4
2026	--	--	--	--	--	3.5	3.5
2027	--	--	--	--	--	3.5	3.5
2028	--	--	--	--	--	3.4	3.4
2029	--	--	--	--	--	3.4	3.4
2030	--	--	--	--	--	3.4	3.4
2031	--	--	--	--	--	3.4	3.4
2032	--	--	--	--	--	3.4	3.4
2033	--	--	--	--	--	3.4	3.4
2034	--	--	--	--	--	3.4	3.4
2035	--	--	--	--	--	3.4	3.4
<b>Subtotal</b>	<b>2400</b>	<b>1828.2</b>	<b>0.2</b>	<b>--</b>	<b>1828.4</b>	<b>570.1</b>	<b>2398.5</b>

## 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	--	--	--	--	--	--	5.8
2013	--	--	--	--	--	--	4.0
2014	--	--	--	--	--	--	4.6
2015	--	--	--	--	--	--	12.2
2016	--	--	--	--	--	--	9.1
2017	--	--	--	--	--	--	0.2
2018	--	--	--	--	--	--	5.0
2019	--	--	--	--	--	--	5.0
2020	--	--	--	--	--	--	5.0
2021	--	--	--	--	--	--	5.0
2022	--	--	--	--	--	--	5.0
2023	--	--	--	--	--	--	5.0
2024	--	--	--	--	--	--	5.0
2025	--	--	--	--	--	--	5.0
2026	--	--	--	--	--	--	5.0
<b>Subtotal</b>	<b>31</b>	--	--	--	--	--	<b>274.4</b>

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

<b>Fiscal Year</b>	<b>Quantity</b>	<b>End Item Recurring Flyaway BY 2010 \$M</b>	<b>Non End Item Recurring Flyaway BY 2010 \$M</b>	<b>Non Recurring Flyaway BY 2010 \$M</b>	<b>Total Flyaway BY 2010 \$M</b>	<b>Total Support BY 2010 \$M</b>	<b>Total Program BY 2010 \$M</b>
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	--	--	--	--	--	--	5.5
2013	--	--	--	--	--	--	3.7
2014	--	--	--	--	--	--	4.2
2015	--	--	--	--	--	--	11.0
2016	--	--	--	--	--	--	8.1
2017	--	--	--	--	--	--	0.2
2018	--	--	--	--	--	--	4.3
2019	--	--	--	--	--	--	4.2
2020	--	--	--	--	--	--	4.1
2021	--	--	--	--	--	--	4.1
2022	--	--	--	--	--	--	4.0
2023	--	--	--	--	--	--	3.9
2024	--	--	--	--	--	--	3.9
2025	--	--	--	--	--	--	3.8
2026	--	--	--	--	--	--	3.7
<b>Subtotal</b>	<b>31</b>	--	--	--	--	--	<b>271.3</b>

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

<b>Fiscal Year</b>	<b>Quantity</b>	<b>End Item Recurring Flyaway TY \$M</b>	<b>Non End Item Recurring Flyaway TY \$M</b>	<b>Non Recurring Flyaway TY \$M</b>	<b>Total Flyaway TY \$M</b>	<b>Total Support TY \$M</b>	<b>Total Program TY \$M</b>
2010	30	52.6	--	--	52.6	1.0	53.6
2011	--	--	--	--	--	2.3	2.3
2012	30	55.4	--	--	55.4	13.6	69.0
2013	40	72.9	--	--	72.9	12.3	85.2
2014	60	101.1	--	--	101.1	24.9	126.0
2015	100	147.8	--	--	147.8	28.9	176.7
2016	260	308.3	--	--	308.3	21.1	329.4
2017	260	310.8	--	--	310.8	15.0	325.8
2018	260	317.3	--	--	317.3	22.1	339.4
2019	260	318.2	--	--	318.2	22.6	340.8
2020	260	322.6	--	--	322.6	23.1	345.7
2021	257	324.8	--	--	324.8	23.6	348.4
2022	360	444.6	--	--	444.6	38.3	482.9
2023	323	411.7	--	--	411.7	39.2	450.9
<b>Subtotal</b>	<b>2500</b>	<b>3188.1</b>	<b>--</b>	<b>--</b>	<b>3188.1</b>	<b>288.0</b>	<b>3476.1</b>

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

<b>Fiscal Year</b>	<b>Quantity</b>	<b>End Item Recurring Flyaway BY 2010 \$M</b>	<b>Non End Item Recurring Flyaway BY 2010 \$M</b>	<b>Non Recurring Flyaway BY 2010 \$M</b>	<b>Total Flyaway BY 2010 \$M</b>	<b>Total Support BY 2010 \$M</b>	<b>Total Program BY 2010 \$M</b>
2010	30	51.3	--	--	51.3	1.0	52.3
2011	--	--	--	--	--	2.2	2.2
2012	30	52.2	--	--	52.2	12.8	65.0
2013	40	67.5	--	--	67.5	11.4	78.9
2014	60	92.0	--	--	92.0	22.7	114.7
2015	100	132.1	--	--	132.1	25.9	158.0
2016	260	270.8	--	--	270.8	18.5	289.3
2017	260	268.1	--	--	268.1	13.0	281.1
2018	260	268.9	--	--	268.9	18.7	287.6
2019	260	264.9	--	--	264.9	18.8	283.7
2020	260	263.8	--	--	263.8	18.9	282.7
2021	257	260.9	--	--	260.9	19.0	279.9
2022	360	350.8	--	--	350.8	30.3	381.1
2023	323	319.1	--	--	319.1	30.4	349.5
<b>Subtotal</b>	<b>2500</b>	<b>2662.4</b>	<b>--</b>	<b>--</b>	<b>2662.4</b>	<b>243.6</b>	<b>2906.0</b>

**Low Rate Initial Production****JASSM Baseline**

	<b>Initial LRIP Decision</b>	<b>Current Total LRIP</b>
<b>Approval Date</b>	1/31/2001	12/21/2001
<b>Approved Quantity</b>	176	416
<b>Reference</b>	ADM	N/A
<b>Start Year</b>	2001	2001
<b>End Year</b>	2003	2003

The Defense Acquisition Executive signed the Acquisition Decision Memorandum 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. Total procurement buy over 10% ).

## Low Rate Initial Production

### JASSM-ER

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

The January 10, 2011 Acquisition Decision Memorandum (ADM) approved Low-Rate Initial Production (LRIP) of 100 to 190 JASSM-ER missiles (4% to 7.6% of JASSM-ER total procurement).

## Foreign Military Sales

### JASSM Baseline

Country	Date of Sale	Quantity	Total Cost \$M	Memo
Australia	1/20/2010		63.7	Quantity information is considered classified by Australia.
Australia	6/26/2008		30.1	Quantity information is considered classified by Australia.

## Foreign Military Sales

### JASSM-ER

None

**Nuclear Cost**

**JASSM Baseline**

None

**JASSM-ER**

None

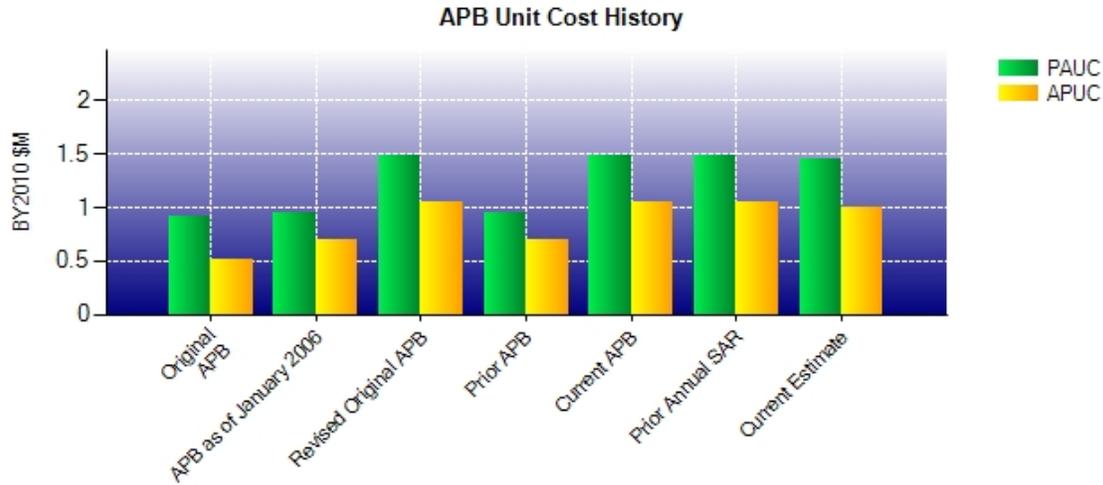
**Unit Cost****JASSM Baseline****Unit Cost Report**

	BY2010 \$M	BY2010 \$M	
Unit Cost	Current UCR Baseline (APR 2011 APB)	Current Estimate (DEC 2011 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	3679.4	3589.4	
Quantity	2487	2487	
Unit Cost	1.479	1.443	-2.43
Average Procurement Unit Cost (APUC)			
Cost	2503.2	2398.5	
Quantity	2400	2400	
Unit Cost	1.043	0.999	-4.22

	BY2010 \$M	BY2010 \$M	
Unit Cost	Revised Original UCR Baseline (APR 2011 APB)	Current Estimate (DEC 2011 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	3679.4	3589.4	
Quantity	2487	2487	
Unit Cost	1.479	1.443	-2.43
Average Procurement Unit Cost (APUC)			
Cost	2503.2	2398.5	
Quantity	2400	2400	
Unit Cost	1.043	0.999	-4.22

**JASSM Baseline**

**Unit Cost History**



	Date	BY2010 \$M		TY \$M	
		PAUC	APUC	PAUC	APUC
<b>Original APB</b>	NOV 1998	0.914	0.516	0.840	0.504
<b>APB as of January 2006</b>	JUL 2004	0.951	0.700	0.914	0.702
<b>Revised Original APB</b>	APR 2011	1.479	1.043	1.468	1.110
<b>Prior APB</b>	JUL 2004	0.951	0.700	0.914	0.702
<b>Current APB</b>	APR 2011	1.479	1.043	1.468	1.110
<b>Prior Annual SAR</b>	DEC 2010	1.479	1.043	1.468	1.110
<b>Current Estimate</b>	DEC 2011	1.443	0.999	1.430	1.064

**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	0.020	0.029	0.203	0.072	-0.024	0.000	0.219	0.519	1.430

## 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	0.018	-0.038	0.211	0.075	0.010	0.000	0.227	0.503	1.064

## 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	3555.6
Total Quantity	44	2469	2940	2487
Prog. Acq. Unit Cost (PAUC)	18.439	0.840	0.911	1.430

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

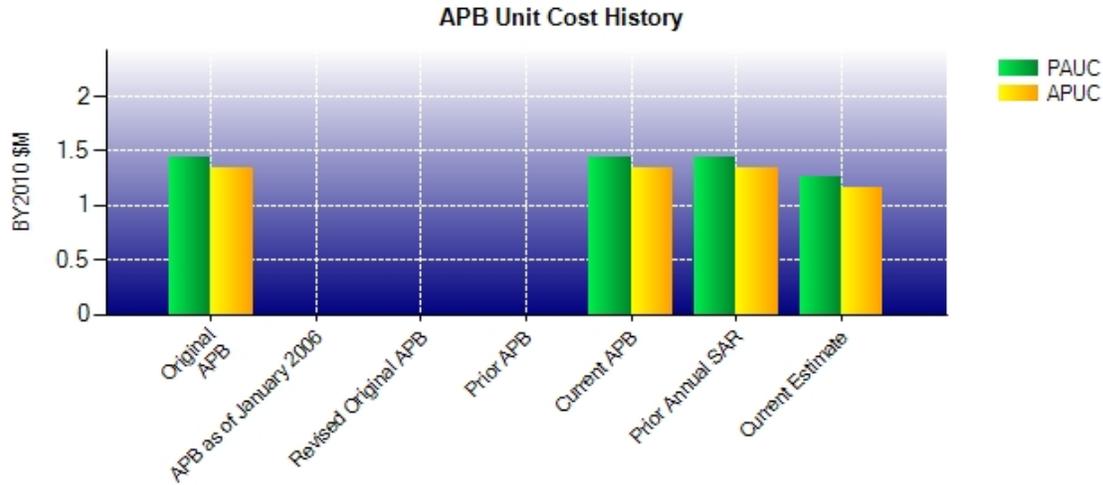
**JASSM-ER****Unit Cost Report**

	BY2010 \$M	BY2010 \$M	
Unit Cost	Current UCR Baseline (APR 2011 APB)	Current Estimate (DEC 2011 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	3631.6	3177.3	
Quantity	2531	2531	
Unit Cost	1.435	1.255	-12.54
Average Procurement Unit Cost (APUC)			
Cost	3366.1	2906.0	
Quantity	2500	2500	
Unit Cost	1.346	1.162	-13.67

	BY2010 \$M	BY2010 \$M	
Unit Cost	Original UCR Baseline (APR 2011 APB)	Current Estimate (DEC 2011 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	3631.6	3177.3	
Quantity	2531	2531	
Unit Cost	1.435	1.255	-12.54
Average Procurement Unit Cost (APUC)			
Cost	3366.1	2906.0	
Quantity	2500	2500	
Unit Cost	1.346	1.162	-13.67

**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 2010	1.435	1.346	1.734	1.648
Current Estimate	DEC 2011	1.255	1.162	1.482	1.390

**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	0.042	0.017	-0.055	0.112	0.365	0.000	0.083	0.564	1.482

## 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	0.042	0.000	-0.045	0.108	0.341	0.000	0.084	0.530	1.390

## 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	APR 2013
Total Cost (TY \$M)	N/A	N/A	2301.4	3750.5
Total Quantity	N/A	N/A	2507	2531
Prog. Acq. Unit Cost (PAUC)	N/A	N/A	0.918	1.482

**Cost Variance****JASSM Baseline****Cost Variance Summary**

<b>Summary Then Year \$M</b>				
	<b>RDT&amp;E</b>	<b>Proc</b>	<b>MILCON</b>	<b>Total</b>
SAR Baseline (Prod Est)	1053.2	1601.4	25.1	2679.7
Previous Changes				
Economic	+8.2	+14.5	--	+22.7
Quantity	--	-345.4	--	-345.4
Schedule	--	+520.7	--	+520.7
Engineering	--	+179.4	--	+179.4
Estimating	-75.8	+665.0	-25.1	+564.1
Other	--	--	--	--
Support	--	+28.8	--	+28.8
Subtotal	-67.6	+1063.0	-25.1	+970.3
Current Changes				
Economic	--	+28.0	--	+28.0
Quantity	--	--	--	--
Schedule	--	-14.7	--	-14.7
Engineering	--	--	--	--
Estimating	+16.6	-640.9	--	-624.3
Other	--	--	--	--
Support	--	+516.6	--	+516.6
Subtotal	+16.6	-111.0	--	-94.4
Total Changes	-51.0	+952.0	-25.1	+875.9
CE - Cost Variance	1002.2	2553.4	--	3555.6
CE - Cost & Funding	1002.2	2553.4	--	3555.6

<b>Summary Base Year 2010 \$M</b>				
	<b>RDT&amp;E</b>	<b>Proc</b>	<b>MILCON</b>	<b>Total</b>
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	-70.5	+993.0	-31.0	+891.5
Other	--	--	--	--
Support	--	+24.1	--	+24.1
Subtotal	-70.5	+890.2	-31.0	+788.7
Current Changes				
Economic	--	--	--	--
Quantity	--	--	--	--
Schedule	--	--	--	--
Engineering	--	--	--	--
Estimating	+14.7	-574.8	--	-560.1
Other	--	--	--	--
Support	--	+470.3	--	+470.3
Subtotal	+14.7	-104.5	--	-89.8
Total Changes	-55.8	+785.7	-31.0	+698.9
CE - Cost Variance	1190.9	2398.5	--	3589.4
CE - Cost & Funding	1190.9	2398.5	--	3589.4

Previous Estimate: December 2010

<b>RDT&amp;E</b>	<b>\$M</b>	
	<b>Base Year</b>	<b>Then Year</b>
<b>Current Change Explanations</b>		
Funding reallocated to JASSM-ER in support of the Operational Test program. (Estimating)	-3.9	-3.9
Funding reallocated from JASSM-Extended Range to support Electronic Safe and Arm Fuze (ESAF). FY2013 to FY2017. (Estimating)	+18.6	+20.5
<b>RDT&amp;E Subtotal</b>	<b>+14.7</b>	<b>+16.6</b>

<b>Procurement</b>	<b>\$M</b>	
	<b>Base Year</b>	<b>Then Year</b>
<b>Current Change Explanations</b>		
Revised escalation indices. (Economic)	N/A	+28.0
Acceleration of procurement buy profile. (Schedule)	0.0	-14.7
Quantities adjusted to minimum sustainment rates in support of program goals to achieve economic order quantity. FY2016 to FY2021. (Estimating)	-99.8	-120.0
Flyaway decreased to support realignment of elements between flyaway and support. FY2001 to FY2035. (Estimating)	-470.7	-516.6
Increase in Other Support. Elements adjusted between flyaway and support. FY2001 to FY2035. (Support)	+470.2	+516.7
Adjustment for current and prior escalation. (Estimating)	-4.3	-4.3
Adjustment for current and prior escalation. (Support)	+0.1	-0.1
<b>Procurement Subtotal</b>	<b>-104.5</b>	<b>-111.0</b>

**JASSM-ER****Cost Variance Summary**

<b>Summary Then Year \$M</b>				
	<b>RDT&amp;E</b>	<b>Proc</b>	<b>MILCON</b>	<b>Total</b>
SAR Baseline (Prod Est)	146.6	2154.8	--	2301.4
Previous Changes				
Economic	+0.6	+21.1	--	+21.7
Quantity	+64.9	--	--	+64.9
Schedule	-25.8	+72.5	--	+46.7
Engineering	+14.7	+269.2	--	+283.9
Estimating	+66.0	+1583.0	--	+1649.0
Other	--	--	--	--
Support	--	+19.9	--	+19.9
Subtotal	+120.4	+1965.7	--	+2086.1
Current Changes				
Economic	+1.8	+83.2	--	+85.0
Quantity	--	--	--	--
Schedule	--	-185.9	--	-185.9
Engineering	--	--	--	--
Estimating	+5.6	-731.2	--	-725.6
Other	--	--	--	--
Support	--	+189.5	--	+189.5
Subtotal	+7.4	-644.4	--	-637.0
Total Changes	+127.8	+1321.3	--	+1449.1
CE - Cost Variance	274.4	3476.1	--	3750.5
CE - Cost & Funding	274.4	3476.1	--	3750.5

<b>Summary Base Year 2010 \$M</b>				
	<b>RDT&amp;E</b>	<b>Proc</b>	<b>MILCON</b>	<b>Total</b>
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	+52.4	+1131.1	--	+1183.5
Other	--	--	--	--
Support	--	+16.1	--	+16.1
<b>Subtotal</b>	<b>+106.4</b>	<b>+1329.8</b>	<b>--</b>	<b>+1436.2</b>
Current Changes				
Economic	--	--	--	--
Quantity	--	--	--	--
Schedule	--	--	--	--
Engineering	--	--	--	--
Estimating	+5.8	-624.5	--	-618.7
Other	--	--	--	--
Support	--	+164.8	--	+164.8
<b>Subtotal</b>	<b>+5.8</b>	<b>-459.7</b>	<b>--</b>	<b>-453.9</b>
<b>Total Changes</b>	<b>+112.2</b>	<b>+870.1</b>	<b>--</b>	<b>+982.3</b>
CE - Cost Variance	271.3	2906.0	--	3177.3
CE - Cost & Funding	271.3	2906.0	--	3177.3

Previous Estimate: December 2010

RDT&E	\$M	
	Base Year	Then Year
<b>Current Change Explanations</b>		
Revised escalation indices. (Economic)	N/A	+1.8
Funding reallocated from JASSM baseline to support the Operational Test program. (Estimating)	+3.9	+3.9
Funding realigned for proper execution. (Estimating)	-2.0	-2.0
Congressional Small Business Innovation Research reduction (Air Force) (Estimating)	-0.6	-0.6
Congressional General Reduction (Air Force) (Estimating)	-0.1	-0.1
Additional funding received for the Common Test Instrumentation Kits (C-TIK). FY2013 to FY 2017. (Estimating)	+26.9	+29.8
Adjustment for current and prior escalation. (Estimating)	-0.4	-0.4
Funding reallocated to JASSM Baseline to support Electronic Safe and Arm Fuze (ESAF). FY2013 to FY2017. (Estimating)	-18.6	-20.5
Revised estimate to reflect more recent cost information. (Estimating)	-3.3	-4.5
RDT&E Subtotal	+5.8	+7.4

Procurement	\$M	
	Base Year	Then Year
<b>Current Change Explanations</b>		
Revised escalation indices. (Economic)	N/A	+83.2
Acceleration of procurement buy profile between. FY 2028 - FY 2023. (Schedule)	0.0	-185.9
Achieved economic order quantity and decreased program by 5 years. FY 2028 - FY 2023. (Estimating)	-457.2	-540.1
Support and flyaway profile adjusted, decreasing flyaway. (Estimating)	-165.8	-189.5
Adjustment for current and prior escalation. (Estimating)	-1.5	-1.6
Increase in Other Support. Elements adjusted between flyaway and support. FY2010 to FY2023. (Support)	+164.8	+189.5
Procurement Subtotal	-459.7	-644.4

## Contracts

### Appropriation: Procurement

Contract Name	<b>JASSM Prod (Lot 8)</b>
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	111.0	N/A	80	175.6	175.6

### 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 downward adjustment to engine reopener clause.

This is a Firm Fixed Price (FFP) contract so Earned Value Management (EVM) is not reported. The negotiated cost for the Lot 8 contract is \$215.9 million which includes Research & Development (R&D), Production, Foreign Military Sales (FMS), and Operations & Maintenance (O&M) funding. The funding identified here only represents production funding placed on contract to support 80 Baseline missiles, to include reliability efforts and Test support.

**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	39.9	N/A	12	39.9	39.9

**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 system engineering PoP extension.

This is a Firm Fixed Price (FFP) contract so Earned Value Management (EVM) is not reported. The negotiated cost for the Lot 8 contract is \$215.9 million which includes Research & Development (R&D), Production, Foreign Military Sales (FMS), and Operations & Maintenance (O&M) funding. The funding identified here only represents Research & Development (R&D) funding placed on contract to support the 12 Operational Test (OT) JASSM-Extended Range (ER) missiles. to include reliability efforts, and Test support.

**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

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	213.4	N/A	200	214.1	214.1

**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 quantity increase from 125 to 200, Teledyne Engine Consideration decrease, Physical Configuration Audit, Leading Edge Tool (C-Channel), and JASSM ANTI-JAM GPS RECEIVER – SAASM (JAGR-S) Last Time Buy.

This is the first time this contract is being reported.

An Above Threshold Reprogramming (ATR) package was approved March 8, 2011 by the final Congressional committee. 53.4M of the original 90 million request was approved. The Lot 9 contract was awarded on April 4, 2011 for 95 baselines and 30 ERs at a cost of 162.7M. The program office subsequently received budget authority required to increase the Lot 9 missile buy to the original planned levels of 170 baseline and 30 JASSM-Extended Range (ER). The contract modification was completed May 9, 2011.

## 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	1060	1060	2400	44.17%
Total Program Quantities Delivered	1147	1147	2487	46.12%

Expenditures and Appropriations (TY \$M)			
Total Acquisition Cost	3555.6	Years Appropriated	17
Expenditures To Date	1875.2	Percent Years Appropriated	42.50%
Percent Expended	52.74%	Appropriated to Date	2261.1
Total Funding Years	40	Percent Appropriated	63.59%

Expenditures as of January 20, 2011.

Production deliveries: Lots 1-7 total 1,053. Lot 8 total is 7.

### JASSM-ER

Deliveries To Date	Plan To Date	Actual To Date	Total Quantity	Percent Delivered
Development	31	19	31	61.29%
Production	0	0	2500	0.00%
Total Program Quantities Delivered	31	19	2531	0.75%

Expenditures and Appropriations (TY \$M)			
Total Acquisition Cost	3750.5	Years Appropriated	10
Expenditures To Date	188.2	Percent Years Appropriated	41.67%
Percent Expended	5.02%	Appropriated to Date	324.2
Total Funding Years	24	Percent Appropriated	8.64%

Expenditures as of January 20, 2011.

## Operating and Support Cost

### JASSM Baseline

#### Assumptions And Ground Rules

The JASSM Operating and Support (O&S) estimate includes requirements for 2,400 JASSM Baseline missiles. The sustainment and readiness plan/estimate for JASSM has evolved to one of total Contractor Logistics Support (CLS). Previous classifications of sustainment functions have now been realigned to reflect this logistics strategy. A 15-year warranty is assumed with a 15-year shelf-life and the subsequent demilitarization of the weapon. The JASSM program office will function as a logistics center. The latest Operations and Support (O&S) cost estimate was January 2010.

The O&S Cost of \$414.6M (9BY 2010), is for 35 years (through 2037 for the JASSM Baseline service life). There is no antecedent system for JASSM.

Cost Element	Costs BY2010 \$M	
	JASSM Baseline Average Annual Cost for all Baselines	No Antecedent
Unit-Level Manpower	1.071	--
Unit Operations	0.000	--
Maintenance	0.597	--
Sustaining Support	3.143	--
Continuing System Improvements	4.366	--
Indirect Support	0.746	--
Other	1.923	--
Total Unitized Cost (Base Year 2010 \$)	11.846	--

Total O&S Costs \$M	JASSM Baseline	No Antecedent
Base Year	414.6	--
Then Year	514.6	--

JASSM Baseline and JASSM-ER are wooden rounds, 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 cost. For those reasons total Operations and Support (O&S) costs are reported.

**JASSM-ER****Assumptions And Ground Rules**

The JASSM Operating and Support (O&S) estimate includes requirements for 2,500 JASSM-ER missiles. The sustainment and readiness plan/estimate for JASSM has evolved to one of total Contractor Logistics Support (CLS). Previous classifications of sustainment functions have now been realigned to reflect this logistics strategy. A 15-year warranty is assumed with a 15-year shelf-life and the subsequent demilitarization of the weapon. The JASSM program office will function as a logistics center. The latest Operations and Support (O&S) cost estimate January 2012.

The O&S Cost of \$496.2M (BY 2010), is for 28 years (through 2040 for the JASSM-ER service life). There is no antecedent system for JASSM.

<b>Costs BY2010 \$M</b>		
<b>Cost Element</b>	<b>JASSM-ER Average Annual Cost for all ERs</b>	<b>No Antecedent</b>
Unit-Level Manpower	1.682	--
Unit Operations	0.000	--
Maintenance	2.889	--
Sustaining Support	2.193	--
Continuing System Improvements	7.179	--
Indirect Support	1.168	--
Other	2.611	--
<b>Total Unitized Cost (Base Year 2010 \$)</b>	<b>17.722</b>	<b>--</b>

<b>Total O&amp;S Costs \$M</b>	<b>JASSM-ER</b>	<b>No Antecedent</b>
Base Year	496.2	--
Then Year	741.8	--

JASSM Baseline and JASSM-ER are wooden rounds, 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 cost. For those reasons total Operations and Support (O&S) costs are reported.