

UNCLASSIFIED

PE NUMBER: 0207325F

PE TITLE: Joint Air-to-Surface Standoff Missile (JASSM)

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207325F Joint Air-to-Surface Standoff Missile (JASSM)
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Cost (\$ in Millions)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	58.820	40.727	12.152	35.689	51.878	36.258	5.167	5.110	0.000	1,192.750
4515 Joint Air-to-Surface Standoff Missile (JASSM)	58.820	40.727	12.152	35.689	51.878	36.258	5.167	5.110	0.000	1,192.750

(U) A. Mission Description and Budget Item Justification

JASSM is an Air Force program designated ACAT 1C by the Defense Acquisition Board (DAB) during the Low Rate Initial Production (LRIP) decision. This program provides a long range, conventional air-to-surface, autonomous, precision guided, standoff cruise missile compatible with fighter and bomber aircraft able to attack a variety of fixed or relocatable targets. Aircraft integration is complete on the B-52H, F-16 (Block 50), B-1, and B-2. Objective aircraft include the F-15E, F-16 (Block 40), F-117, F-35, and F/A-18E/F. The JASSM Extended Range (ER) provides the capability to attack high value targets with precision, deeper into enemy territory while minimizing the threat to the launch aircraft. The threshold integration platform for JASSM-ER is the B-1. Follow-on development/component upgrades include two-way communications and time sensitive/moving surface targeting (Data Link , Maritime Interdiction) capabilities. The government is buying the JASSM system based on a contractor-developed, government-approved System Performance Specification (SPS) which became contractually binding at downselect. The contractor assumes total system performance responsibility as defined in the SPS and warrants system performance for 15 years. In late Summer/Fall 2004, OSD/Air Force convened an independent Reliability Enhancement Team (RET) to review JASSM processes, system engineering procedures, and investigate reliability/quality initiatives. The Air Force continues to implement RET recommendations through a combination of reliability initiatives, component upgrades, producibility enhancements, production quality reviews, comprehensive ground and flight testing, component obsolescence management, and pursue affordability initiatives. This activity is reflected in Budget Activity 7, Operational Systems Development, because production (Low Rate Initial Production) started in FY02.

(U) B. Program Change Summary (\$ in Millions)

	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Previous President's Budget	66.042	40.881	9.935	0.000
(U) Current PBR/President's Budget	58.820	40.727	12.152	35.689
(U) Total Adjustments	-7.222	-0.154		
(U) Congressional Program Reductions	0.000	0.000		
Congressional Rescissions	-0.002	-0.154		
Congressional Increases	0.000	0.000		
Reprogrammings	-6.032	0.000		
SBIR/STTR Transfer	-1.188	0.000		

(U) Significant Program Changes:

Funding: In FY06 the Air Force reprogrammed \$6M to support higher priority programs. In FY08 funding increased by \$2.2M for the JASSM-ER program. FY09

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increased by \$35.689M (\$11.5M for JASSM-ER, \$1.689M for JASSM Data Link and \$22.5M for JASSM Maritime Interdiction development Phase II)

Schedule: JASSM-ER production start moved from FY07 to FY08 due to Congressional direction.

Technical: Maritime Interdiction Phase II development added. Provides greater capability to target and destroy ships.

Exhibit R-2a, RDT&E Project Justification

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BUDGET ACTIVITY				PE NUMBER AND TITLE				PROJECT NUMBER AND TITLE		
07 Operational System Development				0207325F Joint Air-to-Surface Standoff Missile (JASSM)				4515 Joint Air-to-Surface Standoff Missile (JASSM)		
Cost (\$ in Millions)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
4515 Joint Air-to-Surface Standoff Missile (JASSM)	58.820	40.727	12.152	35.689	51.878	36.258	5.167	5.110	0.000	1,192.750
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

(U) **A. Mission Description and Budget Item Justification**

JASSM is an Air Force program designated ACAT 1C by the Defense Acquisition Board (DAB) during the Low Rate Initial Production (LRIP) decision. This program provides a long range, conventional air-to-surface, autonomous, precision guided, standoff cruise missile compatible with fighter and bomber aircraft able to attack a variety of fixed or relocatable targets. Aircraft integration is complete on the B-52H, F-16 (Block 50), B-1, and B-2. Objective aircraft include the F-15E, F-16 (Block 40), F-117, F-35, and F/A-18E/F. The JASSM Extended Range (ER) provides the capability to attack high value targets with precision, deeper into enemy territory while minimizing the threat to the launch aircraft. The threshold integration platform for JASSM-ER is the B-1. Follow-on development/component upgrades include two-way communications and time sensitive/moving surface targeting (Data Link , Maritime Interdiction) capabilities. The government is buying the JASSM system based on a contractor-developed, government-approved System Performance Specification (SPS) which became contractually binding at downselect. The contractor assumes total system performance responsibility as defined in the SPS and warrants system performance for 15 years. In late Summer/Fall 2004, OSD/Air Force convened an independent Reliability Enhancement Team (RET) to review JASSM processes, system engineering procedures, and investigate reliability/quality initiatives. The Air Force continues to implement RET recommendations through a combination of reliability initiatives, component upgrades, producibility enhancements, production quality reviews, comprehensive ground and flight testing, component obsolescence management, and pursue affordability initiatives. This activity is reflected in Budget Activity 7, Operational Systems Development, because production (Low Rate Initial Production) started in FY02.

(U) **B. Accomplishments/Planned Program (\$ in Millions)**

	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Continue JASSM-ER Phase II development, including component upgrades/studies/development.	30.193	21.436	4.500	5.000
(U) Continue JASSM Data Link development and weapon integration.	11.048	2.000	3.952	1.689
(U) Begin JASSM Maritime Interdiction development and weapon integration.	0.000	10.000	0.000	22.500
(U) Continue JASSM-ER and component refresh/upgrade/flight testing. Continue ground/live fire test support, Reliability Program, and affordability initiatives	13.332	4.917	2.200	5.000
(U) Continue JASSM-ER aircraft integration on B-1 and other component integration efforts.	3.000	1.000	0.000	0.000
(U) Continue program office/mission support.	1.247	1.374	1.500	1.500
(U) Total Cost	58.820	40.727	12.152	35.689

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(U) C. Other Program Funding Summary (\$ in Millions)

	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>Cost to Complete</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>								
(U) Missile Procurement (AF) JASSM	98.660	163.540	201.125	242.198	243.277	244.138	252.300	256.782	2,514.110	4,543.797
(U) SEEK EAGLE	0.000	2.962	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.265
Total includes prior year not shown.										

(U) D. Acquisition Strategy

All major contracts within this Program Element were awarded through full and open competition. The EMD phase option for JASSM is Cost Plus Award Fee (CPAF). JASSM-ER is being developed in two phases: Phase I Risk Reduction and Phase II Development. The Phase I Risk Reduction contract was a Firm Fixed Price (FFP) contract awarded June 2003. This phase completed March 2004. The Phase II Development contract is a CPAF contract awarded Feb 2004. The Weapon Data Link Development contract is a CPFF contract awarded March 2006.

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Exhibit R-3, RDT&E Project Cost Analysis

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<u>(U) Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY 2006 Cost</u>	<u>FY 2006 Cost</u>	<u>FY 2006 Award Date</u>	<u>FY 2007 Cost</u>	<u>FY 2007 Award Date</u>	<u>FY 2008 Cost</u>	<u>FY 2008 Award Date</u>	<u>FY 2009 Cost</u>	<u>FY 2009 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
<u>(U) Product Development</u>														
MDA - PDRR I	C/CPFF	McDonnell Douglas Aircraft, MO	120.571	0.000	N/A	0.000	N/A	0.000	N/A	0.000	N/A	0.000	120.571	120.571
LM - PDRR I& II	C/CPFF	Lockheed Martin, FL	151.109	0.000	N/A	0.000	N/A	0.000	N/A	0.000	N/A	0.000	151.109	151.109
LM - EMD & Follow on Development	C/CPAF	Lockheed Martin, FL	409.915	0.000	N/A	0.000	N/A	0.000	N/A	0.000	N/A	0.000	409.915	409.915
LM - JASSM ER Risk Reduction Phase I	SS/FFP	Lockheed Martin, FL	9.700	0.000	N/A	0.000	N/A	0.000	N/A	0.000	N/A	0.000	9.700	9.700
LM - JASSM ER Development Phase II	SS/CPAF	Lockheed Martin, FL	51.258	30.193	Feb-04	21.436	Feb-04	4.500	Jan-08	5.000	N/A	0.000	112.387	112.387
Data Link	SS/CPFF	Lockheed Martin, FL	0.000	11.048	Mar-06	2.000	Mar-06	3.952	Mar-08	1.689	Jan-09	0.000	18.689	18.689
LM - JASSM Maritime Interdiction			0.000	0.000	N/A	10.000	Jan-07	0.000	N/A	22.500	Mar-09	88.424	120.924	120.924
Subtotal Product Development			742.553	41.241		33.436		8.452		29.189		88.424	943.295	943.295
Remarks:														
<u>(U) Support</u>														
F-16 SPO	PO (in-house)	WPAFB, OH	26.605	0.000	N/A	0.000	N/A	0.000	N/A	0.000	N/A	0.000	26.605	26.605
B-52 SPO	PO (in-house)	Tinker AFB, OK	31.229	0.000	N/A	0.000	N/A	0.000	N/A	0.000	N/A	0.000	31.229	31.229
B-1 SPO	PO (in-house)	WPAFB, OH	3.031	3.000	N/A	1.000	N/A	0.000	N/A	0.000	N/A	0.000	7.031	7.031
Other Acft Integ	PO (in-house)	various	3.463	0.000	N/A	0.000	N/A	0.000	N/A	0.000	N/A	0.000	3.463	3.463
Sverdrup Inc.	C/CPAF	Eglin AFB, FL	15.952	0.000	N/A	0.000	N/A	0.000	N/A	0.000	N/A	0.000	15.952	15.952
Other Support	Misc	various	35.994	1.247	N/A	1.374	N/A	1.500	N/A	1.500	N/A	1.967	43.582	43.582
Subtotal Support			116.274	4.247		2.374		1.500		1.500		1.967	127.862	127.862
Remarks:														
<u>(U) Test & Evaluation</u>														
46TW	PO (in-house)	Eglin AFB, FL	82.600	13.332	N/A	4.917	N/A	2.200	N/A	5.000	N/A	8.022	116.071	116.071
Arnold Eng Dev Center	PO (in-house)	Arnold AFB, TN	5.522	0.000	N/A	0.000	N/A	0.000	N/A	0.000	N/A	0.000	5.522	5.522
Subtotal Test & Evaluation			88.122	13.332		4.917		2.200		5.000		8.022	121.593	121.593
Remarks:														

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Project 4515

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PROJECT NUMBER AND TITLE

4515 Joint Air-to-Surface Standoff Missile (JASSM)

(U) Total Cost	946.949	58.820	40.727	12.152	35.689	98.413	1,192.750	1,192.750
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Exhibit R-4, RDT&E Schedule Profile

DATE

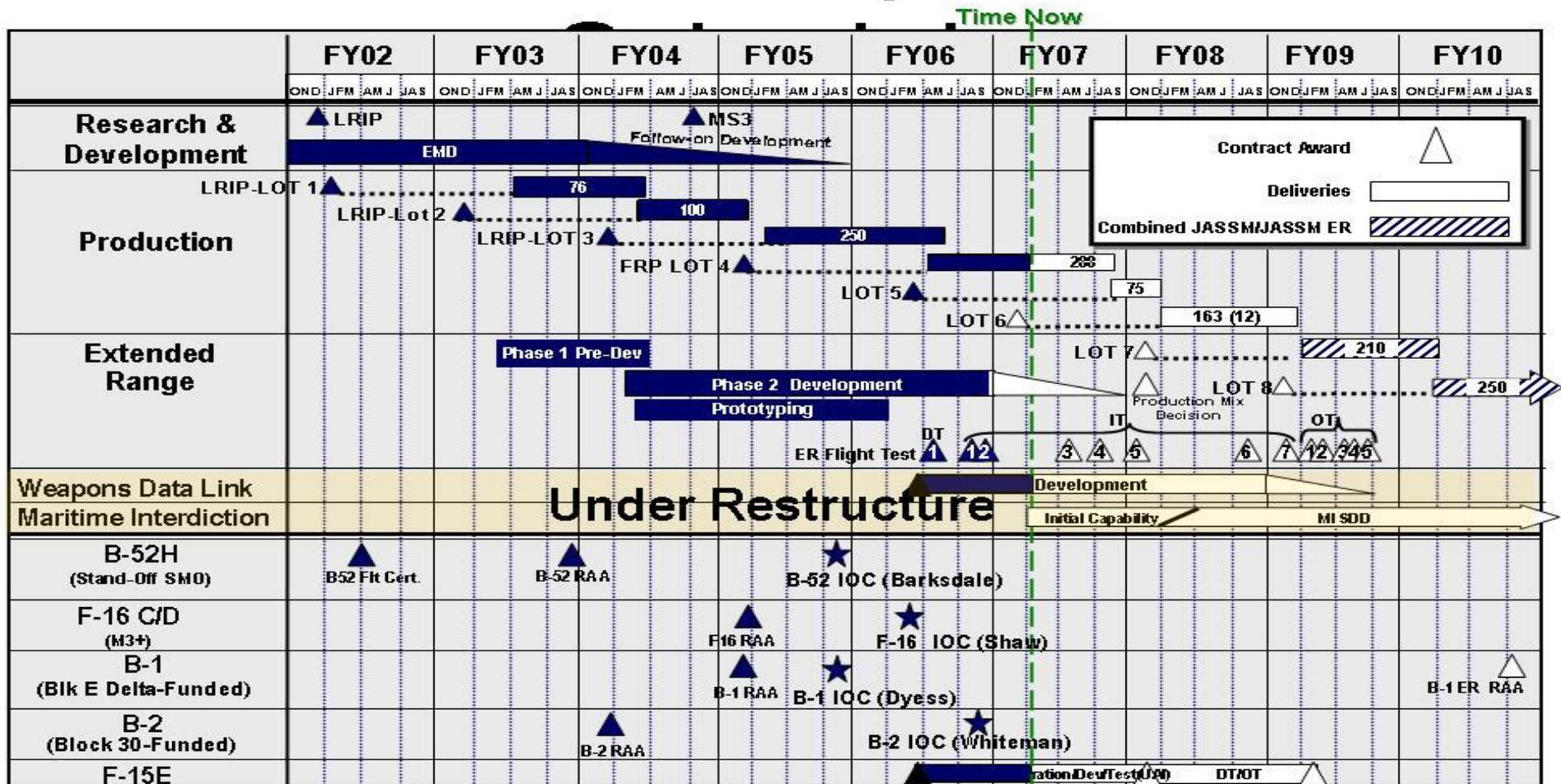
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0207325F Joint Air-to-Surface
Standoff Missile (JASSM)

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JASSM Top Level



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Exhibit R-4a, RDT&E Schedule Detail

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4515 Joint Air-to-Surface Standoff Missile (JASSM)

(U) Schedule Profile

(U) Begin JASSM ER Flight Testing (DT/IT/OT)

(U) Data Link Contract Award

(U) Maritime Interdiction Contract Award (Phase I)

(U) Maritime Interdiction Contract Award (Phase II)

FY 2006

2Q

2Q

FY 2007

2Q

FY 2008

FY 2009

2Q