

## UNCLASSIFIED

PE NUMBER: 0207325F

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

Exhibit R-2, RDT&E Budget Item Justification								DATE February 2006		
BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0207325F Joint Air-to-Surface Standoff Missile (JASSM)						
Cost (\$ in Millions)		FY 2005 Actual	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost		43.298	66.042	40.881	9.935	0.000	0.000	0.000	0.000	1,063.807
4515	Joint Air-to-Surface Standoff Missile (JASSM)	43.298	66.042	40.881	9.935	0.000	0.000	0.000	0.000	1,063.807
The FY03 National Defense Authorization Act language directed Test & Evaluation (T&E) centers to charge only direct costs beginning in FY06. This resulted in a zero balance transfer (ZBT) of funding over the FYDP from the customer accounts (for indirect test costs) to T&E support, PE 0605807F.										
(U) <b><u>A. Mission Description and Budget Item Justification</u></b>										
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 an affordable 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) will allow us 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 (TSPR) 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 detailed design analysis, production quality reviews, and comprehensive ground and flight testing. This activity is reflected in Budget Activity 7, Operational Systems Development, because production (Low Rate Initial Production) started in FY02.										
(U) <b><u>B. Program Change Summary (\$ in Millions)</u></b>										
						<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>		
(U)	Previous President's Budget					45.374	66.997	30.696		
(U)	Current PBR/President's Budget					43.298	66.042	40.881		
(U)	Total Adjustments					-2.076	-0.955			
(U)	Congressional Program Reductions									
	Congressional Rescissions					-0.035	-0.955			
	Congressional Increases									
	Reprogrammings					-0.831				
	SBIR/STTR Transfer					-1.210				
(U) <b><u>Significant Program Changes:</u></b>										
Funding: FY07 funding increased by \$10.185M (\$10M add for Maritime Interdiction development)										
R-1 Shopping List - Item No. 143-2 of 143-8										
Exhibit R-2 (PE 0207325F)										

R-1 Shopping List - Item No. 143-2 of 143-8

Exhibit R-2 (PE 0207325F)

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Exhibit R-2, RDT&E Budget Item Justification

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February 2006

BUDGET ACTIVITY

**07 Operational System Development**

PE NUMBER AND TITLE

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

Schedule: None.

Technical: None.

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## Exhibit R-2a, RDT&amp;E Project Justification

DATE

February 2006

## BUDGET ACTIVITY

## 07 Operational System Development

## PE NUMBER AND TITLE

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

## PROJECT NUMBER AND TITLE

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

Cost (\$ in Millions)	FY 2005 Actual	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4515 Joint Air-to-Surface Standoff Missile (JASSM)	43.298	66.042	40.881	9.935	0.000	0.000	0.000	0.000	1,063.807
Quantity of RDT&E Articles	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 an affordable 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) will allow us 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 (TSPR) 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 detailed design analysis, production quality reviews, and comprehensive ground and flight testing. 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 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Complete JASSM EMD and follow-on development activities, including component upgrades studies/development.	1.003	0.000	0.000
(U) Continue JASSM-ER Phase II development.	31.479	30.193	5.393
(U) Continue JASSM Data Link development	0.000	11.442	15.761
(U) Begin JASSM Maritime Interdiction	0.000	0.000	10.000
(U) Continue JASSM-ER flight testing. Continue ground and live fire test support, and Reliability Program.	2.843	15.372	4.917
(U) Continue JASSM-ER wind tunnel test support.	3.815	0.000	0.000
(U) Continue JASSM-ER aircraft integration on B-1.	3.006	7.654	3.436
(U) Continue mission planning and intelligence systems integration.	0.273	0.000	0.000
(U) Continue program office/mission support.	0.879	1.381	1.374
(U) Total Cost	43.298	66.042	40.881

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## Exhibit R-2a, RDT&amp;E Project Justification

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PROJECT NUMBER AND TITLE

4515 Joint Air-to-Surface Standoff  
Missile (JASSM)(U) **C. Other Program Funding Summary (\$ in Millions)**

	<u>FY 2005</u>	<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>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	
(U) Missile Procurement (AF) JASSM	136.388	98.676	184.191	233.799	342.978	292.410	203.984	2,106.738	3,790.443
(U) SEEK EAGLE	2.826	0.000	2.974	0.000	0.000	0.000	0.000	0.000	10.277

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 is a Firm Fixed Price (FFP) contract awarded June 2003. This phase was completed March 2004. The Phase II Development contract is a CPAF contract awarded Feb 2004.

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## Exhibit R-3, RDT&amp;E Project Cost Analysis

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BUDGET ACTIVITY

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(U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract</u> <u>Method &amp;</u> <u>Type</u>	<u>Performing</u> <u>Activity &amp;</u> <u>Location</u>	<u>Total</u> <u>Prior to FY</u> <u>2005</u> <u>Cost</u>	<u>FY 2005</u> <u>Cost</u>	<u>FY 2005</u> <u>Award</u> <u>Date</u>	<u>FY 2006</u> <u>Cost</u>	<u>FY 2006</u> <u>Award</u> <u>Date</u>	<u>FY 2007</u> <u>Cost</u>	<u>FY 2007</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target Value</u> <u>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	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	151.109	151.109
LM - EMD & Follow on Development	C/CPAF	Lockheed Martin, FL	408.912	1.003	Nov-98	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	9.700	9.700
LM - JASSM ER Development Phase II	SS/CPAF	Lockheed Martin, FL	19.779	31.479	Feb-04	30.193	Feb-04	5.393	Feb-04	0.000	86.844	86.844
Data Link	SS/CPFF	Lockheed Martin, FL	0.000	0.000	N/A	11.442	Mar-06	15.761	Mar-06	7.179	34.382	34.382
LM - JASSM Maritime Interdiction			0.000	0.000	N/A	0.000	N/A	10.000	Jan-07	0.000	10.000	10.000
Subtotal Product Development			710.071	32.482		41.635		31.154		7.179	822.521	822.521
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	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	31.229	31.229
B-1 SPO	PO (in-house)	WPAFB, OH	0.025	3.006	N/A	7.654	N/A	3.436	N/A	0.000	14.121	14.121
Other Acft Integ	PO (in-house)	various	3.463	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	15.952	15.952
Other Support	Misc	various	34.842	1.152	N/A	1.381	N/A	1.374	N/A	1.134	39.883	39.883
Subtotal Support			112.116	4.158		9.035		4.810		1.134	131.253	131.253
Remarks:												
(U) <u>Test &amp; Evaluation</u>												
46TW	PO (in-house)	Eglin AFB, FL	79.757	2.843	N/A	15.372	N/A	4.917	N/A	1.622	104.511	104.511
Arnold Eng Dev Center	PO (in-house)	Arnold AFB, TN	1.707	3.815	N/A	0.000	N/A	0.000	N/A	0.000	5.522	5.522
Subtotal Test & Evaluation			81.464	6.658		15.372		4.917		1.622	110.033	110.033
Remarks:												
(U) Total Cost			903.651	43.298		66.042		40.881		9.935	1,063.807	1,063.807

Project 4515

R-1 Shopping List - Item No. 143-6 of 143-8

Exhibit R-3 (PE 0207325F)

## Exhibit R-4, RDT&amp;E Schedule Profile

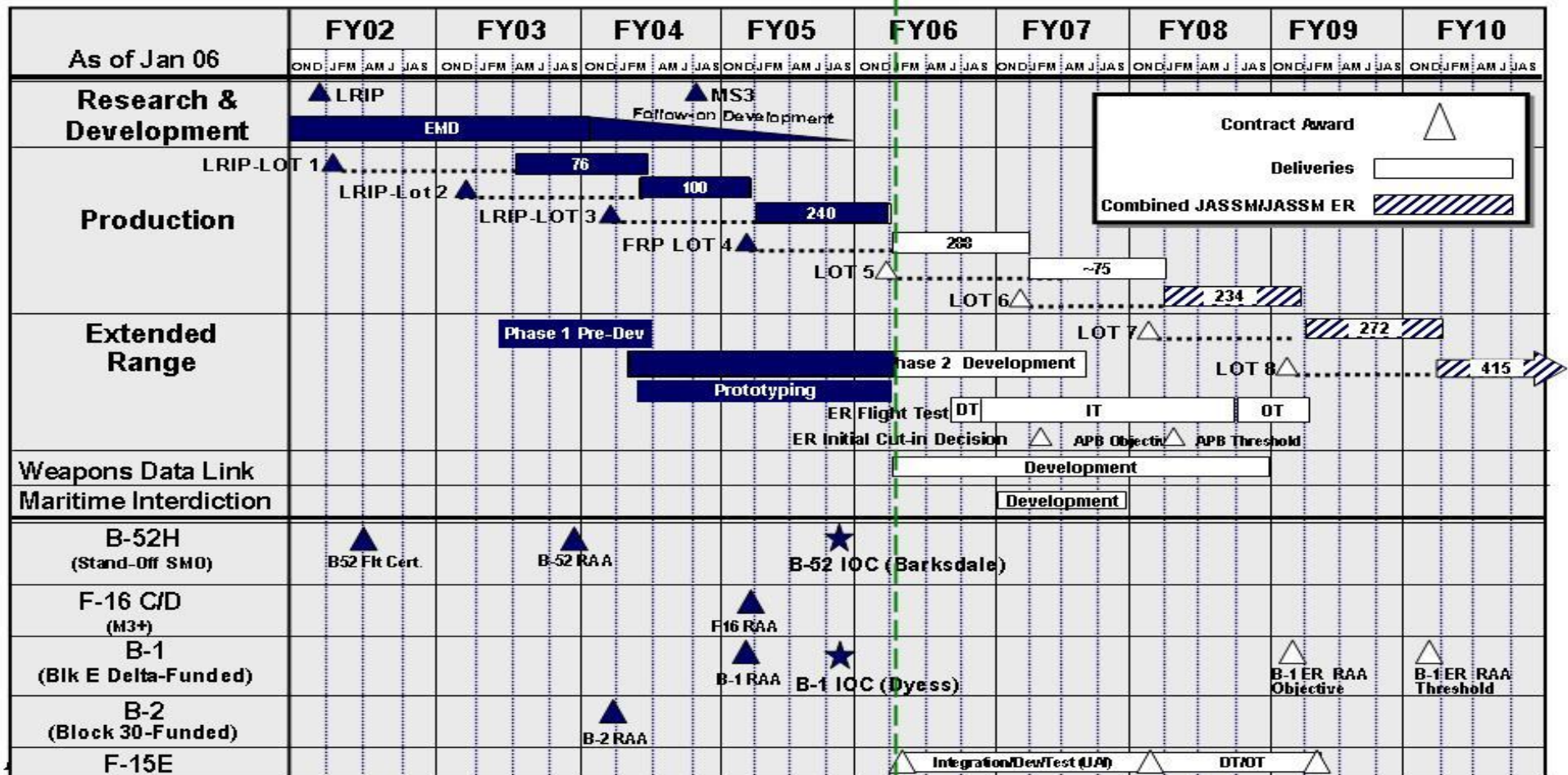
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# Top Level JASSM Schedule

Time Now

*For Official Use Only*

Project 4515

R-1 Shopping List - Item No. 143-7 of 143-8

Exhibit R-4 (PE 0207325F)

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## Exhibit R-4a, RDT&amp;E Schedule Detail

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4515 Joint Air-to-Surface Standoff  
Missile (JASSM)(U) Schedule ProfileFY 2005FY 2006FY 2007

(U) F-16 Required Assets Available (RAA)

1Q

(U) B-1 RAA

1Q

(U) Complete JASSM-ER wind tunnel testing

4Q

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

2Q

(U) Data Link Contract Award

2Q

(U) Maritime Interdiction Contract Award

2Q