

UNCLASSIFIED

PE NUMBER: 0207325F

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

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2004
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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 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	48.633	25.498	45.777	61.473	13.609	0.000	0.000	0.000	1,032.956
4515 Joint Air-to-Surface Standoff Missile (JASSM)	48.633	25.498	45.777	61.473	13.609	0.000	0.000	0.000	1,032.956

(U) A. Mission Description and Budget Item Justification

JASSM is a joint Air Force/Navy program with the Air Force as the lead Service. 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. Initial integration efforts are for the B-52H and F-16 (Block 50). Objective aircraft include the B-1, B-2, F-15E, F-16 (Block 40), F-117, and F/A-18E/F. The JASSM-ER increased standoff range will allow us to attack high value targets with precision, deeper into enemy territory while minimizing the threat to the launch aircraft. JASSM is an OSD flagship program under Cost as An Independent Variable (CAIV). This allows the contractor to have maximum trade space to develop an affordable missile that meets the four key performance parameters. 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.

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

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Previous President's Budget	51.047	31.216	45.897
(U) Current PBR/President's Budget	48.633	25.498	45.777
(U) Total Adjustments	-2.414	-5.718	
(U) Congressional Program Reductions	0.000	-5.500	
Congressional Rescissions	0.000	-0.218	
Congressional Increases	0.000	0.000	
Reprogrammings	-0.923	0.000	
SBIR/STTR Transfer	-1.491	0.000	

(U) Significant Program Changes:

Funding: In FY03, Congress added \$10M to start the JASSM-ER program one year earlier. In FY04 Congress reduced JASSM-ER program by \$5.5M.
 Schedule: None.
 Technical: None.

Exhibit R-2a, RDT&E Project Justification

DATE
February 2004

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 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
4515 Joint Air-to-Surface Standoff Missile (JASSM)	48.633	25.498	45.777	61.473	13.609	0.000	0.000	0.000	1,032.956
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

JASSM is a joint Air Force/Navy program with the Air Force as the lead Service. 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. Initial integration efforts are for the B-52H and F-16 (Block 50). Objective aircraft include the B-1, B-2, F-15E, F-16 (Block 40), F-117, and F/A-18E/F. The JASSM-ER increased standoff range will allow us to attack high value targets with precision, deeper into enemy territory while minimizing the threat to the launch aircraft. JASSM is an OSD flagship program under Cost as An Independent Variable (CAIV). This allows the contractor to have maximum trade space to develop an affordable missile that meets the four key performance parameters. 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.

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

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) JASSM EMD conclusion and follow-on development activities, including data link studies/development.	33.532	4.668	2.635
(U) JASSM-ER Phase I risk reduction activities and development.	9.628	0.000	0.000
(U) JASSM-ER Phase II development.	0.000	15.332	32.530
(U) Continue flight test support, and live fire test support.	3.432	1.525	1.622
(U) JASSM ER wind tunnel and ground test support.	0.000	2.053	3.816
(U) Conclude baseline aircraft integration.	1.155	0.000	0.000
(U) Begin JASSM-ER aircraft integration on B-1.	0.000	0.000	2.478
(U) Continue mission planning and intelligence systems integration.	0.306	0.742	0.627
(U) Continue program office/mission support.	0.580	1.178	2.069
(U) Total Cost	48.633	25.498	45.777

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

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</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	50.095	99.436	145.324	148.271	197.434	303.409	310.034	1,210.395	2,506.536
(U) SEEK EAGLE	3.735	1.433	2.837	0.000	2.842	0.000	0.000	0.000	11.589

Exhibit R-2a, RDT&E Project Justification

DATE

February 2004

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

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 contract was awarded June 2003 and is a Firm Fixed Price (FFP) contract, and the Phase II Development contract will be a CPAF contract.

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Exhibit R-3, RDT&E Project Cost Analysis

DATE

February 2004

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)				
<u>(U) Cost Categories</u>	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>Cost to</u>	<u>Total</u>	<u>Target</u>
(Tailor to WBS, or System/Item Requirements) (\$ in Millions)			<u>Prior to FY</u>	<u>2003</u>	<u>2003</u>	<u>2004</u>	<u>2004</u>	<u>2005</u>	<u>2005</u>	<u>Complete</u>	<u>Cost</u>	<u>Value of</u>
			<u>2003</u>	<u>Cost</u>	<u>Award</u>	<u>Cost</u>	<u>Award</u>	<u>Cost</u>	<u>Award</u>			<u>Contract</u>
			<u>Cost</u>		<u>Date</u>		<u>Date</u>		<u>Date</u>			
<u>(U) Product Development</u>												
MDA - PDRR I	C/CPFF	McDonnell Douglas Aircraft, MO	120.571	0.000	Jun-96	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	Jun-96	0.000	N/A	0.000	N/A	0.000	151.109	151.109
LM - EMD & Follow on Development	C/CPAF	Lockheed Martin, FL	374.911	33.510	Nov-98	4.668	Nov-98	2.635	Nov-98	0.000	415.724	415.724
LM - JASSM ER Risk Reduction Phase I	SS/FFP	Lockheed Martin, FL	0.000	9.628	Jun-03	0.000	N/A	0.000	N/A	0.000	9.628	9.628
LM - JASSM ER Development Phase II	SS/CPAF	Lockheed Martin, FL	0.000	0.000		15.332	Feb-04	32.530	Feb-04	41.236	89.098	89.098
Subtotal Product Development			646.591	43.138		20.000		35.165		41.236	786.130	786.130
Remarks:												
<u>(U) Support</u>												
F-16 SPO	PO (in-house)	WPAFB, OH	25.452	1.135	N/A	0.000	N/A	0.000	N/A	0.000	26.587	26.587
B-52 SPO	PO (in-house)	Tinker AFB, OK	31.220	0.020	N/A	0.000	N/A	0.000	N/A	0.000	31.240	31.240
B-1 SPO	PO (in-house)	WPAFB, OH	0.000	0.000	N/A	0.000	N/A	2.478	N/A	10.886	13.364	13.364
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	15.951	0.000	Jun-01	0.400	Jun-01	1.283	Jun-01	2.992	20.626	20.626
Other Support	Misc	various	32.792	0.908	N/A	1.520	N/A	1.413	N/A	1.309	37.942	37.942
Subtotal Support			108.878	2.063		1.920		5.174		15.187	133.222	133.222
Remarks:												
<u>(U) Test & Evaluation</u>												
46TW	PO (in-house)	Eglin AFB, FL	74.050	3.432	N/A	1.525	N/A	2.195	N/A	18.659	99.861	99.861
Arnold Eng Dev Center	PO (in-house)	Arnold AFB, TN	0.000	0.000	N/A	2.053	N/A	3.243	N/A	0.000	5.296	5.296
Subtotal Test & Evaluation			74.050	3.432		3.578		5.438		18.659	105.157	105.157
Remarks:												
<u>(U) Total Cost</u>			829.519	48.633		25.498		45.777		75.082	1,024.509	1,024.509

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Exhibit R-4a, RDT&E Schedule Detail	DATE February 2004
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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)
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	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) <u>Schedule Profile</u>			
(U) LRIP II Contract Award	1Q		
(U) Last DT/OT Flight Testing	2Q		
(U) JASSM-ER Risk Reduction Phase I Contract Award	3Q		
(U) Complete IOT&E Flight Testing (AFOTEC)	4Q		
(U) RAA B-52	4Q		
(U) Inventory Objective B-2		1Q	
(U) Milestone III		2Q	
(U) JASSM-ER Development Phase II Contract Award		2Q	
(U) RAA F-16		4Q	
(U) Complete engine wind tunnel testing			4Q