

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Air Force									DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207325F: Joint Air-to-Surface Standoff Missile (JASSM)							
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	32.131	29.494	20.000	0.000	20.000	4.790	4.643	4.800	4.760	Continuing	Continuing
674515: Joint Air-to-Surface Standoff Missile (JASSM)	6.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1,053.780
675356: JASSM Extended Range (JASSM-ER)	26.131	29.494	20.000	0.000	20.000	4.790	4.643	4.800	4.760	Continuing	Continuing
A. Mission Description and Budget Item Justification											
The Joint Air-to-Surface Standoff Missile (JASSM) 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. There are 2 versions of the JASSM missile: Baseline JASSM and an extended range JASSM (JASSM-ER). Aircraft integration of baseline JASSM 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-35, and F/A-18E/F.											
In Jun 2007, the DAE designated the Joint Air-to-Surface Standoff Missile (JASSM) program an ACAT 1D program due to a Nunn-McCurdy unit cost breach. On 1 May, 2008, the Defense Acquisition Executive (DAE) completed its Nunn-McCurdy review of the JASSM program and certified a restructured program to consist of two separable increments, the JASSM Baseline increment and the JASSM-Extended Range (JASSM-ER) increment--both with improved reliability, separate milestone decision points and separate projects within a single program element.											
This activity is reflected in Budget Activity 7, Operational Systems Development, because JASSM Baseline production started in FY02.											

UNCLASSIFIED

R-1 Line Item #146

Page 1 of 18

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Air Force				DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE			
3600: Research, Development, Test & Evaluation, Air Force		PE 0207325F: Joint Air-to-Surface Standoff Missile (JASSM)			
BA 7: Operational Systems Development					
B. Program Change Summary (\$ in Millions)					
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Previous President's Budget	32.946	29.494	0.000	0.000	0.000
Current President's Budget	32.131	29.494	20.000	0.000	20.000
Total Adjustments	-0.815	0.000	20.000	0.000	20.000
• Congressional General Reductions		0.000			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		0.000			
• Congressional Directed Transfers		0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	-0.815	0.000	20.000	0.000	20.000
Change Summary Explanation					
The FY 2010 President's Budget submittal did not reflect FY 2011 through FY 2015 funding. Therefore, explanation of changes between the two budget positions cannot be made in a relevant manner.					

UNCLASSIFIED

R-1 Line Item #146

Page 2 of 18

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force								DATE: February 2010			
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0207325F: <i>Joint Air-to-Surface Standoff Missile (JASSM)</i>				PROJECT 674515: <i>Joint Air-to-Surface Standoff Missile (JASSM)</i>			
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
674515: <i>Joint Air-to-Surface Standoff Missile (JASSM)</i>	6.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1,053.780
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification <p>The Joint Air-to-Surface Standoff Missile (JASSM) 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 of the baseline JASSM 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-35, and F/A-18E/F. The government is buying the JASSM system based on a contractor-developed, government-approved System Performance Specification (SPS), this SPS is on contract. The contractor assumes total system performance responsibility (TSPR) for Lots 1-6 as defined in the SPS; for Lot 7 and beyond, the Government has approval authority of Class I configuration changes.</p> <p>JASSM was designated ACAT 1D in Jun 2007 due to a Nunn-McCurdy unit cost breach. JASSM (baseline) program completed a Reliability Improvement Program in Spring 2008, which culminated with an April 2008 DAE decision to support the JASSM Nunn-McCurdy certification. The restructured program was certified by DAE to Congress on 1 May 2008.</p>											
B. Accomplishments/Planned Program (\$ in Millions)											
						FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
MAJOR THRUST: Continue JASSM Baseline reliability initiatives/component upgrades, ground/flight test support, and affordability initiatives. <i>FY 2009 Accomplishments:</i> In FY 2009: Develop upgrades to improve missile reliability, address hardware obsolescence; also provide support for any ground and flight test activity required to verify upgraded hardware before cutting into production. Funded Electronic Safe and Arm Fuze (ESAF), Missile Control Unit (MCU) Phase III development, MCU transit cases development, and Air Data Probe (ADP) upgrade.						4.730	0.000	0.000	0.000	0.000	

UNCLASSIFIED

R-1 Line Item #146

Page 3 of 18

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force				DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development		R-1 ITEM NOMENCLATURE PE 0207325F: Joint Air-to-Surface Standoff Missile (JASSM)		PROJECT 674515: Joint Air-to-Surface Standoff Missile (JASSM)		
B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2010 Plans: In FY 2010: Not Applicable						
FY 2011 Base Plans: In FY 2011: Not Applicable						
FY 2011 OCO Plans: In FY 2011 OCO: Not Applicable.						
MAJOR THRUST: Continue program office/mission support. Provide oversight of JASSM development/upgrade activities. FY 2009 Accomplishments: In FY 2009: Support ESAF development, MCU and ADP upgrades. FY 2010 Plans: In FY 2010: Not Applicable FY 2011 Base Plans: In FY 2011: Not Applicable FY 2011 OCO Plans: In FY 2011 OCO: Not Applicable.		1.270	0.000	0.000	0.000	0.000
Accomplishments/Planned Programs Subtotals		6.000	0.000	0.000	0.000	0.000

UNCLASSIFIED

R-1 Line Item #146

Page 4 of 18

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force										DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0207325F: <i>Joint Air-to-Surface Standoff Missile (JASSM)</i>				PROJECT 674515: <i>Joint Air-to-Surface Standoff Missile (JASSM)</i>			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• PE 0207325F: <i>JASSM Missile Procurement - Baseline</i>	139.703	52.515	157.240	0.000	157.240	168.375	156.595	154.097	128.103	850.220	3,041.300
D. Acquisition Strategy All major contracts within this project have been awarded through full and open competition. The EMD phase option for JASSM baseline was Cost Plus Award Fee (CPAF).											
E. Performance Metrics Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.											

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force											DATE: February 2010																																																																																																																																							
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0207325F: <i>Joint Air-to-Surface Standoff Missile (JASSM)</i>				PROJECT 674515: <i>Joint Air-to-Surface Standoff Missile (JASSM)</i>																																																																																																																																										
Product Development (\$ in Millions) <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th rowspan="2">Cost Category Item</th> <th rowspan="2">Contract Method & Type</th> <th rowspan="2">Performing Activity & Location</th> <th rowspan="2">Total Prior Years Cost</th> <th colspan="2">FY 2010</th> <th colspan="2">FY 2011 Base</th> <th colspan="2">FY 2011 OCO</th> <th>FY 2011 Total</th> <th rowspan="2">Cost To Complete</th> <th rowspan="2">Total Cost</th> <th rowspan="2">Target Value of Contract</th> </tr> <tr> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> </tr> </thead> <tbody> <tr> <td>MDA - PDRR I</td> <td>C/CPFF</td> <td>McDonnell Douglas Aircraft MO</td> <td align="right">120.571</td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td align="right">0.000</td> <td align="right">120.571</td> <td align="right">120.571</td> </tr> <tr> <td>PDRR I& II</td> <td>C/CPFF</td> <td>Lockheed Martin FL</td> <td align="right">151.109</td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td align="right">0.000</td> <td align="right">151.109</td> <td align="right">151.109</td> </tr> <tr> <td>EMD & Follow on Development</td> <td>C/CPAF</td> <td>Lockheed Martin FL</td> <td align="right">409.915</td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td align="right">0.000</td> <td align="right">409.915</td> <td align="right">409.915</td> </tr> <tr> <td>JASSM ER Risk Reduction Phase I</td> <td>SS/FFP</td> <td>Lockheed Martin FL</td> <td align="right">9.700</td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td align="right">0.000</td> <td align="right">9.700</td> <td align="right">9.700</td> </tr> <tr> <td>JASSM ER Development Phase II</td> <td>SS/CPAF</td> <td>Lockheed Martin FL</td> <td align="right">114.599</td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td align="right">0.000</td> <td align="right">114.599</td> <td align="right">114.599</td> </tr> <tr> <td>Baseline/ER reliability initiatives, component upgrades, ESAF</td> <td>SS/CPFF</td> <td>Lockheed Martin FL</td> <td align="right">9.980</td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td align="right">0.000</td> <td align="right">9.980</td> <td align="right">9.750</td> </tr> <tr> <td>Data Link/MI</td> <td>SS/CPFF</td> <td>Lockheed Martin FL</td> <td align="right">9.050</td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td align="right">0.000</td> <td align="right">9.050</td> <td align="right">9.050</td> </tr> <tr> <td align="right" colspan="3">Subtotal</td><td align="right">824.924</td><td align="right">0.000</td><td></td><td align="right">0.000</td><td></td><td align="right">0.000</td><td></td><td align="right">0.000</td><td align="right">0.000</td><td align="right">824.924</td><td align="right">824.694</td></tr> </tbody> </table>														Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	MDA - PDRR I	C/CPFF	McDonnell Douglas Aircraft MO	120.571	0.000		0.000		0.000		0.000	0.000	120.571	120.571	PDRR I& II	C/CPFF	Lockheed Martin FL	151.109	0.000		0.000		0.000		0.000	0.000	151.109	151.109	EMD & Follow on Development	C/CPAF	Lockheed Martin FL	409.915	0.000		0.000		0.000		0.000	0.000	409.915	409.915	JASSM ER Risk Reduction Phase I	SS/FFP	Lockheed Martin FL	9.700	0.000		0.000		0.000		0.000	0.000	9.700	9.700	JASSM ER Development Phase II	SS/CPAF	Lockheed Martin FL	114.599	0.000		0.000		0.000		0.000	0.000	114.599	114.599	Baseline/ER reliability initiatives, component upgrades, ESAF	SS/CPFF	Lockheed Martin FL	9.980	0.000		0.000		0.000		0.000	0.000	9.980	9.750	Data Link/MI	SS/CPFF	Lockheed Martin FL	9.050	0.000		0.000		0.000		0.000	0.000	9.050	9.050	Subtotal			824.924	0.000		0.000		0.000		0.000	0.000	824.924	824.694
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract																																																																																																																																					
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost																																																																																																																																								
MDA - PDRR I	C/CPFF	McDonnell Douglas Aircraft MO	120.571	0.000		0.000		0.000		0.000	0.000	120.571	120.571																																																																																																																																					
PDRR I& II	C/CPFF	Lockheed Martin FL	151.109	0.000		0.000		0.000		0.000	0.000	151.109	151.109																																																																																																																																					
EMD & Follow on Development	C/CPAF	Lockheed Martin FL	409.915	0.000		0.000		0.000		0.000	0.000	409.915	409.915																																																																																																																																					
JASSM ER Risk Reduction Phase I	SS/FFP	Lockheed Martin FL	9.700	0.000		0.000		0.000		0.000	0.000	9.700	9.700																																																																																																																																					
JASSM ER Development Phase II	SS/CPAF	Lockheed Martin FL	114.599	0.000		0.000		0.000		0.000	0.000	114.599	114.599																																																																																																																																					
Baseline/ER reliability initiatives, component upgrades, ESAF	SS/CPFF	Lockheed Martin FL	9.980	0.000		0.000		0.000		0.000	0.000	9.980	9.750																																																																																																																																					
Data Link/MI	SS/CPFF	Lockheed Martin FL	9.050	0.000		0.000		0.000		0.000	0.000	9.050	9.050																																																																																																																																					
Subtotal			824.924	0.000		0.000		0.000		0.000	0.000	824.924	824.694																																																																																																																																					
Remarks																																																																																																																																																		

UNCLASSIFIED

R-1 Line Item #146

Page 6 of 18

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force											DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207325F: Joint Air-to-Surface Standoff Missile (JASSM)				PROJECT 674515: Joint Air-to-Surface Standoff Missile (JASSM)					
Support (\$ in Millions)													
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
F-16 SPO	TBD/TBD	WPAFB OHIO	26.605	0.000		0.000		0.000		0.000	0.000	26.605	26.605
B-52 SPO	TBD/TBD	Tinker AFB OK	31.229	0.000		0.000		0.000		0.000	0.000	31.229	31.229
B-1 SPO	TBD/TBD	WPAFB OHIO	6.031	0.000		0.000		0.000		0.000	0.000	6.031	6.031
Other Acft Integ	TBD/TBD	Various Various	3.463	0.000		0.000		0.000		0.000	0.000	3.463	3.463
Sverdrup Inc.	C/CPAF	Eglin AFB FL	15.952	0.000		0.000		0.000		0.000	0.000	15.952	15.952
Other Support (ASuW prep)	Various/ Various	Various Various	40.410	0.000		0.000		0.000		0.000	0.000	40.410	40.640
Subtotal			123.690	0.000		0.000		0.000		0.000	0.000	123.690	123.920
Remarks													
Test and Evaluation (\$ in Millions)													
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
46TW	TBD/TBD	Eglin AFB FL	98.358	0.000		0.000		0.000		0.000	0.000	98.358	98.358

UNCLASSIFIED

R-1 Line Item #146

Page 7 of 18

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force											DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0207325F: <i>Joint Air-to-Surface Standoff Missile (JASSM)</i>				PROJECT 674515: <i>Joint Air-to-Surface Standoff Missile (JASSM)</i>					
Test and Evaluation (\$ in Millions)													
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Arnold Eng Dev Center	TBD/TBD	Arnold AFB TN	6.808	0.000		0.000		0.000		0.000	0.000	6.808	6.808
Subtotal			105.166	0.000		0.000		0.000		0.000	0.000	105.166	105.166
Remarks													
			Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			1,053.780	0.000		0.000		0.000		0.000	0.000	1,053.780	1,053.780
Remarks Total Prior Years Cost may include only FY 2009 data.													

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2011 Air Force

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force
BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

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

PROJECT

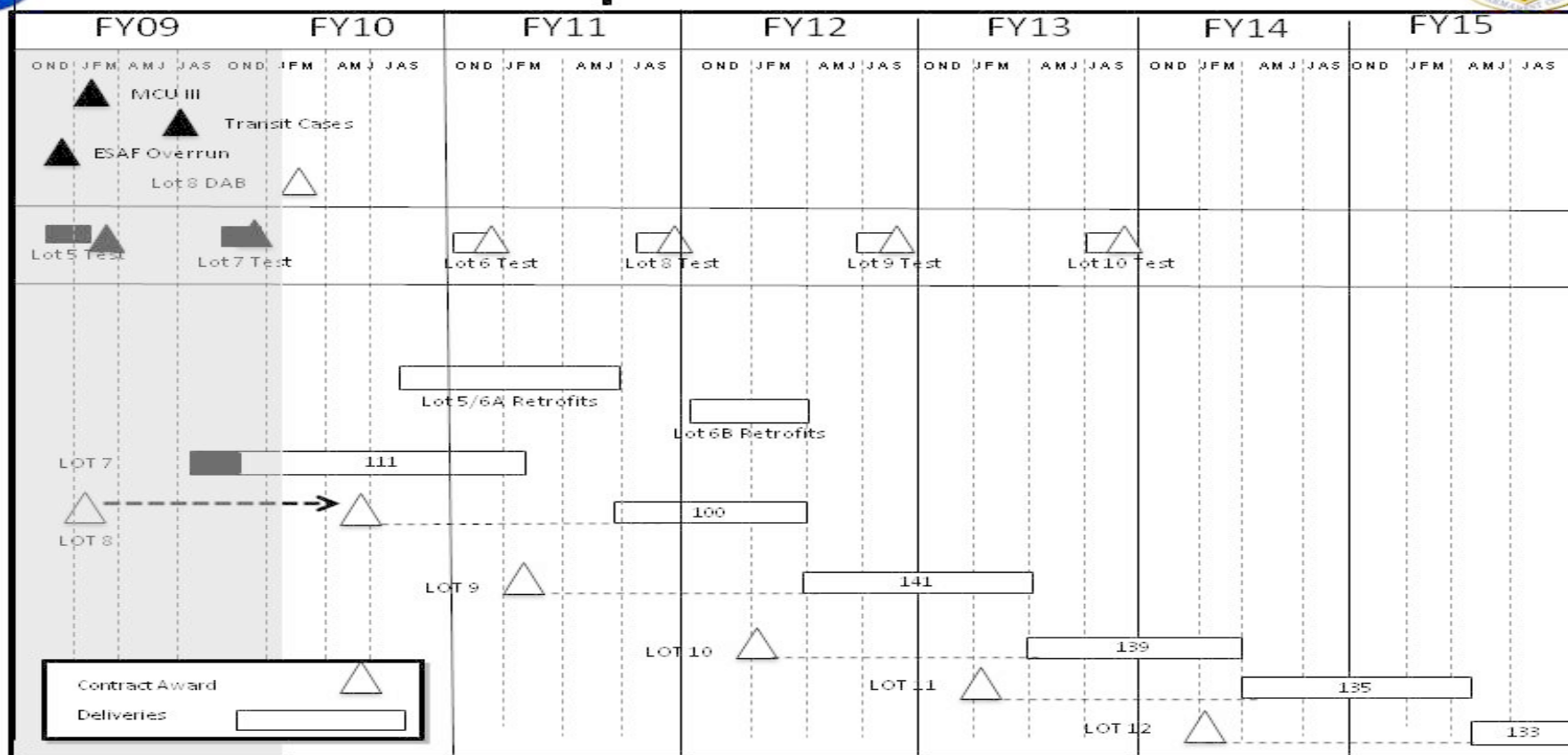
674515: Joint Air-to-Surface Standoff Missile
(JASSM)

As Of: 29 Dec 09

For Official Use Only



JASSM Top Level Schedule



UNCLASSIFIED

R-1 Line Item #146

Page 9 of 18

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2011 Air Force			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0207325F: <i>Joint Air-to-Surface Standoff Missile (JASSM)</i>	PROJECT 674515: <i>Joint Air-to-Surface Standoff Missile (JASSM)</i>	

Schedule Details

Event	Start		End	
	Quarter	Year	Quarter	Year
JASSM Baseline reliability improvement	1	2009	4	2009
JASSM ground and flight testing	1	2009	4	2009
ESAF/MCU Transit Cases/MCU Phase III	1	2009	1	2009

UNCLASSIFIED

R-1 Line Item #146

Page 10 of 18

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force								DATE: February 2010			
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0207325F: <i>Joint Air-to-Surface Standoff Missile (JASSM)</i>				PROJECT 675356: <i>JASSM Extended Range (JASSM-ER)</i>			
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
675356: <i>JASSM Extended Range (JASSM-ER)</i>	26.131	29.494	20.000	0.000	20.000	4.790	4.643	4.800	4.760	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification											
<p>From FY03 to FY08, Joint Air-to-Surface Standoff Missile with Extended Range (JASSM-ER) was funded under the JASSM project (67515). This project provides a long range (over twice the range of baseline JASSM), conventional air-to-surface, autonomous, precision-guided, low observable, standoff cruise missile compatible with fighter and bomber aircraft. The threshold integration platform for JASSM-ER is the B-1B. Objective aircraft include the B-52H, F-16 (Block 40/50), B-2, F-15E, F-35, and F/A-18E/F. JASSM-ER provides the capability to attack a variety of high value fixed (to include buried) or relocatable targets with precision, through preplanned missions or target-of-opportunity, deeper into enemy territory than JASSM Baseline while minimizing the threat to launch aircraft. The Air Force is developing JASSM-ER based on a contractor-developed, government-approved System Performance Specification (SPS) dated January 19, 2004, which was developed under JASSM-ER development Phase I Risk Reduction in FY03.</p> <p>JASSM and JASSM-ER programs were designated ACAT 1D in June 2007 due to a Nunn-McCurdy unit cost breach. On 1 May, 2008, the DAE completed its Nunn-McCurdy review of the JASSM program and certified the program to Congress.</p>											
B. Accomplishments/Planned Program (\$ in Millions)											
						FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
MAJOR THRUST: JASSM-ER Operational Test (OT) Assets Procurement. Purchases missiles to complete Initial Operational Test and Evaluation (IOT&E) required for full-rate production decision.						11.226	19.538	17.177	0.000	17.177	
FY 2009 Accomplishments: In FY2009: Incrementally funds procurement of OT missiles, including Test instrumentation Kits (TIKs), for JASSM-ER. This includes prime contractor purchase of long-lead missile subassemblies from lower-level suppliers, final assembly at prime contractor, as well as recurring engineering support.											

UNCLASSIFIED

R-1 Line Item #146

Page 11 of 18

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force				DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development		R-1 ITEM NOMENCLATURE PE 0207325F: Joint Air-to-Surface Standoff Missile (JASSM)		PROJECT 675356: JASSM Extended Range (JASSM-ER)	
B. Accomplishments/Planned Program (\$ in Millions)					
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2010 Plans: In FY2010: Incrementally funds procurement of OT missiles, including Test instrumentation Kits (TIKs), for JASSM-ER. This includes prime contractor purchase of long-lead missile subassemblies from lower-level suppliers, final assembly at prime contractor, as well as recurring engineering support.					
FY 2011 Base Plans: In FY2011: Incrementally funds procurement of OT missiles, including Test instrumentation Kits (TIKs), for JASSM-ER. This includes prime contractor purchase of long-lead missile subassemblies from lower-level suppliers, final assembly at prime contractor, as well as recurring engineering support.					
FY 2011 OCO Plans: In FY 2011 OCO: Not Applicable.					
MAJOR THRUST: Integrated Testing (IT - combined DT & OT) Asset Procurement. Purchases missiles to complete IT program for Milestone C decision (entry into Low-Rate Initial Production- LRIP) and I...	13.280	6.272	0.000	0.000	0.000
FY 2009 Accomplishments: In FY 2009: Covers procurement of IT and OT missiles, partial TIK components, and upgraded electrical subassemblies for JASSM-ER. Also includes non-recurring engineering activities to support integrated test activity, such as, but not limited to, hardware environmental qualification, engine accessory testing, and technical reviews required to demonstrate readiness for LRIP.					
FY 2010 Plans: In FY 2010: Incrementally funds final assembly of IT and OT missiles, integrated flight test support, and associated engineering activities to include, but not limited to failure analyses as program nears Milestone C decision.					
FY 2011 Base Plans: In FY 2011: Not Applicable					

UNCLASSIFIED

R-1 Line Item #146

Page 12 of 18

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force				DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development		R-1 ITEM NOMENCLATURE PE 0207325F: Joint Air-to-Surface Standoff Missile (JASSM)		PROJECT 675356: JASSM Extended Range (JASSM-ER)		
B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2011 OCO Plans: In FY 2011 OCO: Not Applicable.						
MAJOR THRUST: Government Test Support and Other Development. Includes flight test equipment, targets, 46th Test Wing and Range support, and other ground/flight test support. FY 2009 Accomplishments: In FY 2009: Continue ground/flight test support, to include 46th Test Wing and range support, target builds. Continue any development efforts, to include, but not limited to component upgrades, failure reviews and corrective actions FY 2010 Plans: In FY2010: Continue ground/flight test support, to include 46th Test Wing and range support, target builds. Continue any development efforts, to include, but not limited to component upgrades, failure reviews and corrective actions FY 2011 Base Plans: In FY2011: Continue ground/flight test support, to include 46th Test Wing and range support, target builds. Continue any development efforts, to include, but not limited to component upgrades, failure reviews and corrective actions FY 2011 OCO Plans: In FY 2011 OCO: Not Applicable.		1.625	2.565	1.639	0.000	1.639
MAJOR THRUST: Continue program office/mission support. Provide oversight of JASSM development/upgrade activities. FY 2009 Accomplishments: In FY 2009: Not Applicable		0.000	1.119	1.184	0.000	1.184

UNCLASSIFIED

R-1 Line Item #146

Page 13 of 18

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force							DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>			R-1 ITEM NOMENCLATURE PE 0207325F: <i>Joint Air-to-Surface Standoff Missile (JASSM)</i>			PROJECT 675356: <i>JASSM Extended Range (JASSM-ER)</i>					
B. Accomplishments/Planned Program (\$ in Millions)											
						FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
<i>FY 2010 Plans:</i> In FY 2010: Supports JASSM-ER development prior to MS C.											
<i>FY 2011 Base Plans:</i> In FY 2011: Supports JASSM-ER development prior to LRIP.											
<i>FY 2011 OCO Plans:</i> In FY 2011 OCO: Not Applicable.											
Accomplishments/Planned Programs Subtotals						26.131	29.494	20.000	0.000	20.000	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• PE 0207325F: <i>JASSM Missile Procurement - JASSM-ER</i>	0.000	0.000	58.585	0.000	58.585	69.024	83.883	115.864	152.744	3,408.700	0.000
D. Acquisition Strategy											
<p>JASSM-ER is the extended range version of the JASSM baseline missile currently in production. The development contract for JASSM-ER is sole source to the JASSM baseline developer. JASSM-ER is being developed in two phases; Phase I risk reduction and Phase II development. The Phase I risk reduction contract was as Firm Fixed Price contract awarded June 2003. This phase completed March 2004. The Phase II development contract is a Cost Plus Award Fee contract awarded February 2004. JASSM-ER development restarted in June 2008 after the successful Nunn-McCurdy certification. Continuation of the Phase II development will be executed as a delivery order under an Indefinite Delivery/Indefinite Quantity contract. Continuation of development will be a Cost Plus Fixed Fee with Performance Incentives to produce and test integrated test missiles. Operational Test missiles will be purchased with the baseline JASSM Lot 8 Sole Source Firm Fixed Price with Performance Incentive contract in Jan 2010.</p>											
E. Performance Metrics											
<p>Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.</p>											

UNCLASSIFIED

R-1 Line Item #146

Page 14 of 18

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force											DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207325F: Joint Air-to-Surface Standoff Missile (JASSM)				PROJECT 675356: JASSM Extended Range (JASSM-ER)					
Product Development (\$ in Millions)													
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
IT/OT Missiles Procurement	SS/CPIF	Lockheed Martin FL	24.506	25.875	Jan 2010	17.261	May 2011	0.000		17.261	Continuing	Continuing	Continuing
Other ER Development, Parts Upgrade and Software Update (due to obsolescence)	Various/ Various	Lockheed Martin FL	0.000	0.000		0.000		0.000		0.000	Continuing	Continuing	Continuing
Subtotal			24.506	25.875		17.261		0.000		17.261			
Remarks													
Support (\$ in Millions)													
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Other Support	Various/ Various	Various Various	0.000	1.119		1.100		0.000		1.100	Continuing	Continuing	Continuing
Subtotal			0.000	1.119		1.100		0.000		1.100			
Remarks													

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force											DATE: February 2010			
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0207325F: <i>Joint Air-to-Surface Standoff Missile (JASSM)</i>				PROJECT 675356: <i>JASSM Extended Range (JASSM-ER)</i>						
Test and Evaluation (\$ in Millions)														
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
46 TW test support, flight test equipment, & targets	Various/ Various	Lockheed Martin Eglin AFB, FL	1.625	2.500		1.639		0.000		1.639	Continuing	Continuing	Continuing	
Subtotal			1.625	2.500		1.639		0.000		1.639				
Remarks														
Management Services (\$ in Millions)														
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
No text provided	TBD/TBD	No text provided No text provided	0.000	0.000		0.000		0.000		0.000	Continuing	Continuing	Continuing	
Subtotal			0.000	0.000		0.000		0.000		0.000				
Remarks														
			Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			26.131	29.494		20.000		0.000		20.000				
Remarks														
Total Prior Years Cost may include only FY 2009 data.														

UNCLASSIFIED

R-1 Line Item #146

Page 16 of 18

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2011 Air Force

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force
BA 7: Operational Systems Development

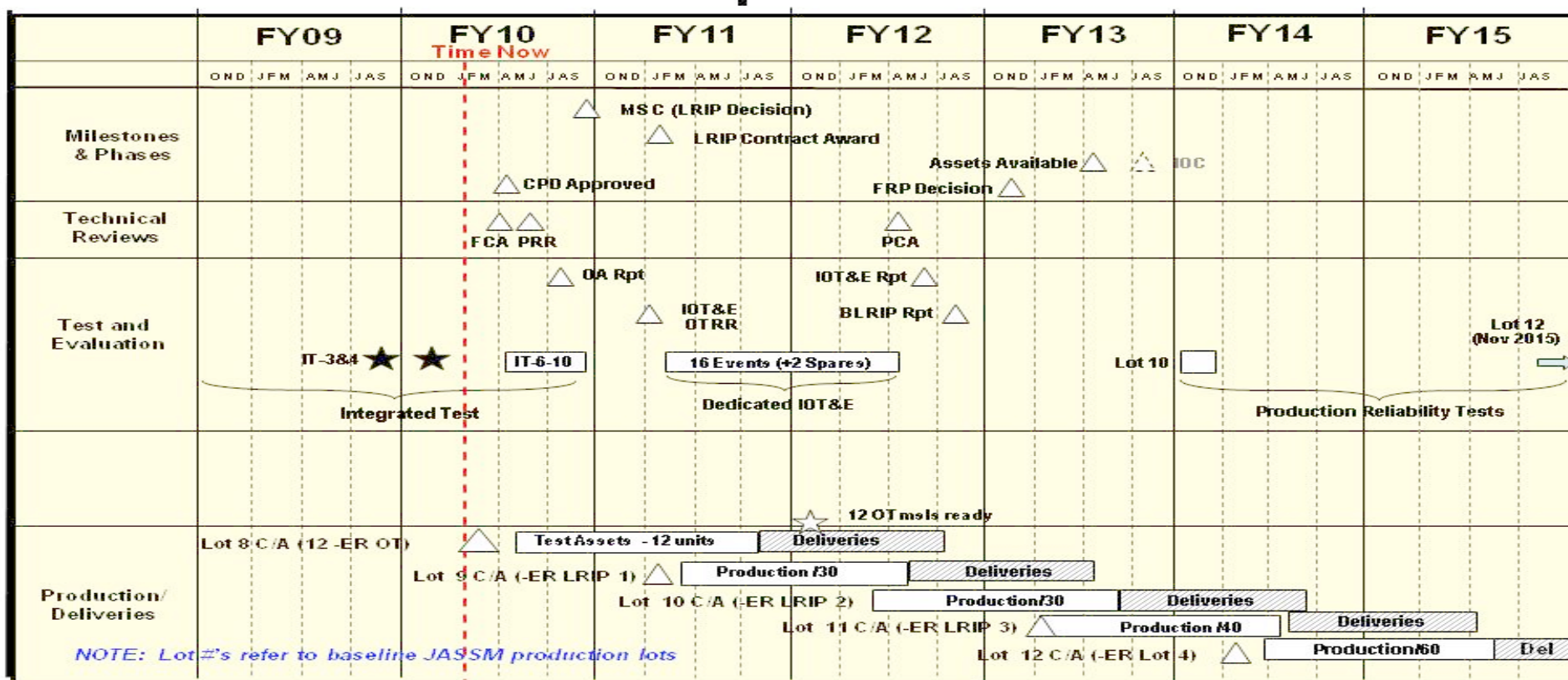
R-1 ITEM NOMENCLATURE

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

PROJECT

675356: JASSM Extended Range (JASSM-ER)

JASSM-ER Top Level Schedule



Ver 11: 5 Jan 10

UNCLASSIFIED

R-1 Line Item #146

Page 17 of 18

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2011 Air Force			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0207325F: <i>Joint Air-to-Surface Standoff Missile (JASSM)</i>	PROJECT 675356: <i>JASSM Extended Range (JASSM-ER)</i>	

Schedule Details

Event	Start		End	
	Quarter	Year	Quarter	Year
IT: Integrated Testing (IT is Combined DT/OT)	3	2009	4	2010
JASSM-ER Development	1	2009	4	2011
Operational Test & Evaluation (OT&E)	1	2011	4	2011

UNCLASSIFIED

R-1 Line Item #146

Page 18 of 18