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EXHIBIT R-2, RDT&E Budget Item Justification							DATE: February 2005	
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-05					R-1 ITEM NOMENCLATURE 0604312N Tri-Service Standoff Attack Missile (TSSAM)			
COST (\$ in Millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Total PE Cost	19.433	27.041	0.000	0.000	0.000	0.000	0.000	0.000
2242 Joint Air to Surface Standoff Missile (JASSM)	19.433	27.041	0.000	0.000	0.000	0.000	0.000	0.000

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

The Joint Air to Surface Standoff Missile (JASSM) program is a follow-on weapon system to the canceled Tri-Service Standoff Attack Missile (TSSAM). It is a joint Air Force/Navy program. JASSM is a long range, conventional air-to-surface, autonomous precision guided, standoff cruise missile compatible with fighter and bomber aircraft and able to attack a variety of fixed and relocatable targets. JASSM will carry a 1,000 pound class penetrator warhead. Initial integration efforts will be on the B-52 and F-16. The F/A 18 E/F, C/D, S-3, P 3 and JSF are currently designated as Navy objective platforms for JASSM. Carrier Operability is one of the Key Performance Parameters (KPP) for JASSM. The budget covers only the cost of Navy unique testing for the Carrier Operability KPP and integration aboard the Navy F/A-18E/F including mission planning (FY03 and outyears). FY04 specific tasks are centered on completing JASSM ground and wind tunnel tests.

R-1 SHOPPING LIST - Item No.

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EXHIBIT R-2a, RDT&E Project Justification							DATE: February 2005	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-05	PROGRAM ELEMENT NUMBER AND NAME 0604312N Tri-Service Standoff Attack Missile (TSSAM)				PROJECT NUMBER AND NAME 2242 Joint Air-to-Surface Standoff Missile (JASSM)			
COST (\$ in Millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Project Cost	19.433	27.041	0.000	0.000	0.000	0.000	0.000	0.000
RDT&E Articles Qty	2							

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

The Joint Air to Surface Standoff Missile (JASSM) program is a follow-on weapon system to the canceled Tri-Service Standoff Attack Missile (TSSAM). It is a joint Air Force/Navy program. JASSM is a long range, conventional air-to-surface, autonomous precision guided, standoff cruise missile compatible with fighter and bomber aircraft and able to attack a variety of fixed and relocatable targets. JASSM will carry a 1,000 pound class penetrator warhead. Initial integration efforts will be on the B-52 and F-16. The F/A 18 E/F, C/D, S-3, P-3 and JSF are currently designated as Navy objective platforms for JASSM. Carrier Operability is one of the Key Performance Parameters (KPP) for JASSM. The budget covers only the cost of Navy unique testing for the Carrier Operability KPP and integration aboard the Navy F/A-18E/F including mission planning (FY03 and outyears). FY04 specific tasks are centered on completing JASSM ground and wind tunnel tests. Funding was inadequate and improperly aligned to support the FY09 IOC. Due to higher Navy priorities and redundancy in mission, the JASSM F-18 E/F Aircraft Integration Program was not funded in PB06 and was terminated in FY05. FY05 funds are for mission planning, other developmental tasks and termination costs for Navy-unique tasks.

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B. Accomplishments/Planned Program																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30%;"></th> <th style="width: 15%;">FY 04</th> <th style="width: 15%;">FY 05</th> <th style="width: 15%;">FY 06</th> <th style="width: 15%;">FY 07</th> </tr> <tr> <td>F/A-18 E/F JASSM Integration</td> <td style="text-align: center;">19.433</td> <td style="text-align: center;">19.300</td> <td style="text-align: center;">0.000</td> <td style="text-align: center;">0.000</td> </tr> <tr> <td>RDT&E Articles Quantity</td> <td style="text-align: center;">2</td> <td></td> <td></td> <td></td> </tr> </table>						FY 04	FY 05	FY 06	FY 07	F/A-18 E/F JASSM Integration	19.433	19.300	0.000	0.000	RDT&E Articles Quantity	2			
	FY 04	FY 05	FY 06	FY 07															
F/A-18 E/F JASSM Integration	19.433	19.300	0.000	0.000															
RDT&E Articles Quantity	2																		
<div style="border: 1px solid black; padding: 5px;"> <p>F/A-18E/F integration to include Wind Tunnel tests, Carrier Suitability, Noise and Vibrations, Flying Qualities, Separation, E3, Performance Flight tests, Structural tests and purchase of test assets. Perform systems engineering, mission support, and Integrated Logistics Support (ILS) in order to achieve a successful Operational Test and Initial Operational Capability. Integration on the F/A-18E/F includes aircraft Operational Flight Program (OFP) development, software development, test, verification and validation to implement the JASSM missile in software build H5. Program is terminated in FY2005.</p> </div>																			
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<div style="border: 1px solid black; padding: 5px;"> <p>JASSM Mission Planning efforts. Navy is paying for the JASSM Precision Terminal Module to Personal Computer efforts. The USAF is paying for the Joint Mission Planning System Unique Product Code development and integration.</p> </div>																			
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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-05	PROGRAM ELEMENT NUMBER AND NAME 0604312N Tri-Service Standoff Attack Missile (TSSAM)	PROJECT NUMBER AND NAME 2242 Joint Air-to-Surface Standoff Missile (JASSM)		

C. PROGRAM CHANGE SUMMARY:

Funding:	FY 04	FY 05	FY 06	FY 07
Previous President's Budget:	20.901	27.047	21.145	14.344
Current President's Budget	19.433	27.041	0.000	0.000
Total Adjustments	-1.468	-0.006	-21.145	-14.344
Summary of Adjustments				
Congressional program reductions				
Congressional undistributed reductions		-0.245		
Congressional rescissions				
SBIR/STTR Transfer	-0.449			
OSD		0.239		
Navy (FMB/Sponsor/NAVAIR)			-21.145	-14.344
Economic Assumptions	-0.019			
Reprogrammings	-1.000			
Congressional increases				
Subtotal	-1.468	-0.006	-21.145	-14.344

Schedule:

Due to higher Navy priorities, JASSM F/A-18 E/F integration is terminated in FY2005.

Technical:

Due to higher Navy priorities, JASSM F/A-18 E/F integration is terminated in FY2005

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D. OTHER PROGRAM FUNDING SUMMARY:										
<u>Line Item No. & Name</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>FY 2010</u>	<u>FY 2011</u>	<u>To Complete</u>	<u>Total Cost</u>
USAF PAAF	99.436	145.324	148.271	196.798	303.383	309.628	242.062	195.053	1695.780	3427.568
USAF, RDT&E U.S. Air Force P.E. 0207325F Joint Air to Surface Standoff Missile (JASSM) Extended Range (ER)	25.498	45.777	70.709	33.596	12.000	0.000	0.000	0.000	0.000	187.580
E. ACQUISITION STRATEGY:										
<p>All major contracts within the program were awarded through full and open competition. The EMD phase option for JASSM is Cost Plus Award Fee (CPAF). This contract type provides the Government the flexibility to periodically evaluate contractor performance while motivating the contractor to execute a successful program with emphasis on EMD schedule, system performance, and management effectiveness. 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. Under CAIV, the program maintains a threshold Average Unit Procurement Price (AUPP) of \$700,000 (BY95\$) and an objective AUPP of \$400,000 (BY95\$). 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 Reliability (TSPR) as defined in the SPS and warrants system performance for 15 years. Accordingly, the contractor is responsible not only for the design of the missile system, but also for planning and executing the Development Test and Evaluation (DT&E) program to verify the missile system performance. In its role as facilitator and advisor to the contractor, the Government formally arranges and funds the use of Government flight test support for DT&E. Although funded by the Government, flight test support funds are part of the negotiated commitment between the contractor and the Government ensuring the contractor is able to execute the DT&E program according to the scope of the EMD contract. The Air Force has been funded in FY04 to begin development for an extended range version of JASSM.</p>										

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Exhibit R-3 Cost Analysis (page 1)								DATE: February 2005				
APPROPRIATION/BUDGET ACTIVITY RDTE&E, N / BA-05			PROGRAM ELEMENT 0604312N Tri-Service Standoff Attack Missile (TSSAM)			PROJECT NUMBER AND NAME A2242 Joint Air-to-Surface Standoff Missile (JASSM)						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Primary Hardware Development	CPAF	Lockheed Martin	2.606								2.606	2.606
Aircraft Integration	Misc	various	19.541								19.541	
Aircraft Integration	CPAF	Boeing	1.167	10.000	01/05						11.167	11.167
AoA Support	Misc	Various	9.343								9.343	
Award Fees	CPAF	Lockheed Martin	0.402								0.402	0.402
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
Subtotal Product Development			33.059	10.000		0.000		0.000		0.000	43.059	
<p>Remarks:</p> <p>FY05 funds are for mission planning, other developmental tasks and termination costs for Navy-unique tasks.</p>												
Weapon Systems Engineering	Misc	Various	0.632								0.632	
Software Development	Misc	Various	3.379	2.500	01/05						5.879	
Mission Planning Development	CPAF	Lockheed Martin	6.058	7.741	01/05						13.799	13.799
											0.000	
Studies and Analysis	Misc	Various	2.000								2.000	
											0.000	
											0.000	
Subtotal Support			12.069	10.241		0.000		0.000		0.000	22.310	
<p>Remarks:</p> <p>Prior Year Studies and Analysis includes \$2.0M ASN(RDA)-funded Anti Surface Warfare (ASuW) Study.</p> <p>FY05 funds are for mission planning, other developmental tasks and termination costs for Navy-unique tasks.</p>												

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APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME						
RDTE&E, N / BA-05			0604312N Tri-Service Standoff Attack Missile (TSSAM)			A2242 Joint Air-to-Surface Standoff Missile (JASSM)						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	WX	NAWC AD & WD									0.000	
Test Assets	CPIF	Lockheed Martin	1.200								1.200	1.200
Operational Test	WX	COMOPTEVFOR	0.050								0.050	
											0.000	
											0.000	
											0.000	
											0.000	
Subtotal T&E			1.250	0.000		0.000		0.000		0.000	1.250	
Remarks: FY05 funds are for mission planning, other developmental tasks and termination costs for Navy-unique tasks.												
Contractor Engineering Support	RX	Various	1.019	0.400	01/05						1.419	
Government Engineering Support	Misc	Various	5.843	6.000	01/05						11.843	
Program Management Support	Misc	Various	1.491	0.300	01/05						1.791	
Travel	WX/MIPR	Various	0.125	0.100	01/05						0.225	
											0.000	
SBIR Assessment											0.000	
Subtotal Management			8.478	6.800		0.000		0.000		0.000	15.278	
Remarks: FY05 funds are for mission planning, other developmental tasks and termination costs for Navy-unique tasks.												
Total Cost			54.856	27.041		0.000		0.000		0.000	81.897	

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