

EXHIBIT R-2, RDT&E Budget Item Justification							DATE: February 2008	
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-7						R-1 ITEM NOMENCLATURE 0207161N, TACTICAL AIM MISSILES		
COST (\$ in Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	
Total PE Cost	7.777	4.350	6.679	2.328	.977	1.005	1.030	
0457 AIM-9X	7.777	4.350	6.679	2.328	.977	1.005	1.030	

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

AIM-9X (Sidewinder) is a long-term evolution of the AIM-9, a fielded system, qualifying this as a research category operational systems development. The AIM-9X short range Air-to-Air missile modification program provides a launch and leave, air combat munition that uses passive infrared (IR) energy for acquisition and tracking of enemy aircraft and complements the Advanced Medium Range Air-to-Air Missile. Air superiority in the short range Air-to-Air Missile arena is essential and includes first shot, first kill opportunity against an enemy employing IR countermeasures. The AIM-9X employs several components common with the AIM-9M (fuze, rocket motor and warhead). Improved Anti-Tamper features are being incorporated to protect improvements inherent in AIM-9X design.

B. PROGRAM CHANGE SUMMARY

Funding:	FY 2007	FY 2008	FY 2009	
Previous President's Budget:	7.916	4.445	6.691	
Current President's Budget:	7.777	4.350	6.679	
Total Adjustments	-0.139	-0.095	-0.012	

Summary of Adjustments

Congressional Reductions				
Congressional Rescissions				
Congressional Undistributed Reductions		-0.028		
Congressional Increases				
Economic Assumptions			-0.002	
Miscellaneous Adjustments	-0.139	-0.067	-0.010	
Subtotal	-0.139	-0.095	-0.012	

Schedule:

The Block II software release plan has been updated to reflect that the Operational Flight Software (OFS) 9.200 efforts are limited to rehost the current OFS 8.200 series software into the new Block II hardware and to introduce the basic functions of the replacement fuze. New block II capabilities will be introduced with fielding OFS 9.300 software series. Therefore, the test scope was reduced for OFS 9.200 software series and increased for OFS 9.300.

Technical:  
N/A

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EXHIBIT R-2a, RDT&E Project Justification							DATE: February 2008																																																																			
APPROPRIATION/BUDGET ACTIVITY RDT&E,N / BA-7			PROGRAM ELEMENT NUMBER AND NAME 0207161N, TACTICAL AIM MISSILES			PROJECT NUMBER AND NAME 0457, AIM-9X																																																																				
COST (\$ in Millions)			FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012																																																																		
0457 AIM-9X			7.777	4.350	6.679	2.328	.977	1.005																																																																		
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<p><b>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b></p> <p>AIM-9X(Sidewinder) is a long-term evolution of the AIM-9, a fielded system, qualifying this as a research category operational systems development. The AIM-9X short range Air-to-Air missile modification program provides a launch and leave, air combat munition that uses passive infrared (IR) energy for acquisition and tracking of enemy aircraft and complements the Advanced Medium Range Air-to-Air Missile. Air superiority in the short range Air-to-Air Missile arena is essential and includes first shot, first kill opportunity against an enemy employing IR countermeasures. The AIM-9X employs several components common with the AIM-9M (fuze, rocket motor and warhead).</p> <p><b>B. ACCOMPLISHMENTS / PLANNED PROGRAM:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Continued Test &amp; Evaluation of System</td> <td>FY 2007</td> <td>FY 2008</td> <td>FY 2009</td> </tr> <tr> <td>Accomplishments / Effort / Sub-total Cost</td> <td>2.310</td> <td>.737</td> <td>0</td> </tr> <tr> <td>RDT&amp;E Articles Qty</td> <td></td> <td></td> <td></td> </tr> </table> <p>Funding required for Test &amp; Evaluation (T&amp;E) and associated Governmental support.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Continued Systems Engineering Mgmt for Primary</td> <td>FY 2007</td> <td>FY 2008</td> <td>FY 2009</td> </tr> <tr> <td>Accomplishments / Effort / Sub-total Cost</td> <td>5.317</td> <td>3.454</td> <td>6.564</td> </tr> <tr> <td>RDT&amp;E Articles Qty</td> <td></td> <td></td> <td></td> </tr> </table> <p>Primary Hardware Development/Pre-Planned Product Improvement (P3I): Fuze/Systems Engineering/Program Management, Continuation of (P3I) efforts for the AIM-9X fuze.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Continued Transportation &amp; Travel for program</td> <td>FY 2007</td> <td>FY 2008</td> <td>FY 2009</td> </tr> <tr> <td>Accomplishments / Effort / Sub-total Cost</td> <td>.150</td> <td>.159</td> <td>.115</td> </tr> <tr> <td>RDT&amp;E Articles Qty</td> <td></td> <td></td> <td></td> </tr> </table> <p>Transportation/Travel for AIM-9X effort.</p> <table style="width: 100%;"> <tr> <td style="width: 25%;">C. OTHER PROGRAM FUNDING SUMMARY:</td> <td style="width: 10%;">FY 2007</td> <td style="width: 10%;">FY 2008</td> <td style="width: 10%;">FY 2009</td> <td style="width: 10%;">FY 2010</td> <td style="width: 10%;">FY 2011</td> <td style="width: 10%;">FY 2012</td> <td style="width: 10%;">FY 2013</td> <td style="width: 10%;">To Complete</td> <td style="width: 10%;">Total Cost</td> </tr> <tr> <td>220900 AIM-9X Missile (WPN)</td> <td>40.205</td> <td>54.520</td> <td>57.497</td> <td>58.016</td> <td>58.384</td> <td>61.415</td> <td>62.198</td> <td>768.128</td> <td>1,330.106</td> </tr> <tr> <td>AIM-9X Mods/Missile (Air Force Missile Procur</td> <td>43.658</td> <td>52.334</td> <td>77.223</td> <td>80.004</td> <td>62.915</td> <td>64.098</td> <td>65.431</td> <td>662.221</td> <td>1,375.416</td> </tr> </table> <p><b>D. ACQUISITION STRATEGY:</b> The Low-Rate Initial Production (LRIP) 4, LOT 4, Firm-Fixed-Price (FFP) contract was awarded 4/04. ASN(RD&amp;A) approved the Full-Rate Production (FRP) decision in May 2004. FRP 1, LOT 5 contract was awarded 11/04. FRP 1, LOT 5 through FRP 3 LOT 7 contracts FFP with FRP 3 LOT 7 awarded 11/06. Rewards or penalties are provided depending on Raytheon Systems Corporation (RSC) Performance relative to the Procurement Price Commitment Curve (PPCC).</p>									Continued Test & Evaluation of System	FY 2007	FY 2008	FY 2009	Accomplishments / Effort / Sub-total Cost	2.310	.737	0	RDT&E Articles Qty				Continued Systems Engineering Mgmt for Primary	FY 2007	FY 2008	FY 2009	Accomplishments / Effort / Sub-total Cost	5.317	3.454	6.564	RDT&E Articles Qty				Continued Transportation & Travel for program	FY 2007	FY 2008	FY 2009	Accomplishments / Effort / Sub-total Cost	.150	.159	.115	RDT&E Articles Qty				C. OTHER PROGRAM FUNDING SUMMARY:	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Cost	220900 AIM-9X Missile (WPN)	40.205	54.520	57.497	58.016	58.384	61.415	62.198	768.128	1,330.106	AIM-9X Mods/Missile (Air Force Missile Procur	43.658	52.334	77.223	80.004	62.915	64.098	65.431	662.221	1,375.416
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Exhibit R-3 Cost Analysis (page 1)										DATE: February 2008		
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT				PROJECT NUMBER AND NAME						
RDT&E,N/BA-7		0207161N, TACTICAL AIM MISSILES				0457, AIM-9X						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost to Complete	Total Cost	Target Value of Contract
PRODUCT DEVELOPMENT												
Primary Hdw Development (Navy Fuze)	C-CPIF/AF	RAYTHEON MISSILE SYSTEMS COMPANY, TUCSON, AZ	3.100								3.100	3.100
Primary Hdw Development (FUSE P3I)	SS-CPFF	RAYTHEON MISSILE SYSTEMS COMPANY, TUCSON, AZ	8.459	2.406	Nov 2006	1.006	Nov 2007			.892	12.763	12.763
Aircraft Integration	C/CPFF	BOEING ST. LOUIS, MO		.879	Nov 2006	1.655	Nov 2007	4.715	Nov 2008	1.040	8.289	8.289
Aircraft Integration	C/CPFF	RAYTHEON MISSILE SYSTEMS COMPANY, TUCSON, AZ				.200	Nov 2007	.500	Nov 2008	.130	.830	.830
Aircraft Integration	WX	NAWCWD, CHINA LAKE CA		1.632	Nov 2006	.395	Nov 2007	1.135	Nov 2008	.130	3.292	3.292
Systems Eng (WD)	WX	NAWCWD, CHINA LAKE CA	34.564	.400	Nov 2006	.198	Nov 2007	.214	Nov 2008	1.084	36.460	
All Prod DevCost from program implementation thru FY2002			192.194								192.194	
SUBTOTAL PRODUCT DEVELOPMENT			238.317	5.317		3.454		6.564		3.276	256.928	28.274

Remarks: Prior year award fees earned is 93%. EMD Contract Target Value includes both Navy and Air Force funding. All other fields represent Navy share only. Total prior years - FY95 and prior under PE 0603715D. FY96 and out are funded under PE 0207161N.

TEST & EVALUATION												
Dev Test & Eval (WD)	WX	NAWCWD, CHINA LAKE CA	27.543	1.900	Nov 2006	.330	Nov 2007				29.773	
Navy Test & Eval (Gov Op Test-WD)	WX	NAWCWD, CHINA LAKE CA	.050	.050	Nov 2006	.050	Nov 2007				.150	
Navy Test & Eval - (Cont Dev Test & Eval)	SS-CPFF	RAYTHEON MISSILE SYSTEMS COMPANY, TUCSON, AZ	.100	.110	Nov 2006	.115	Nov 2007				.325	.325
Oper Test & Eval (OPTEVFOR) (GOVT)	WX	OPER T & E FOR CD 30, NORFOLK VA	2.551	.250	Nov 2006	.242	Nov 2007			1.566	4.609	
All Prod DevCost from program implementation thru FY2002			4.927								4.927	
SUBTOTAL TEST & EVALUATION			35.171	2.310		.737				1.566	39.784	.325

MANAGEMENT												
Transportation - Material	MD	NAVAIR, PAXTUXENT RIVER MD	.030	.015	Nov 2006	.015	Nov 2007	.015	Nov 2008	.075	.150	
Travel	WX	NAWCAD, PATUXENT RIVER MD	1.613	.135	Nov 2006	.144	Nov 2007	.100	Nov 2008	.423	2.415	
All Prod DevCost from program implementation thru FY2002			7.526								7.526	
SUBTOTAL MANAGEMENT			9.169	.150		.159		.115		.498	10.091	

Total Cost			282.657	7.777		4.350		6.679		5.340	306.803	28.599
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## CLASSIFICATION: UNCLASSIFIED

## EXHIBIT R4, Schedule Profile

DATE:

February 2008

## APPROPRIATION/BUDGET ACTIVITY

RDT&amp;E, N/BA-7

## PROGRAM ELEMENT NUMBER AND NAME

0207161N-Tactical AIM Missiles

## PROJECT NUMBER AND NAME

0457-AIM-9X

Fiscal Year	2007				2008				2009				2010				2011				2012				2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
AOTD P3I																												
<b>Test &amp; Evaluation Milestones:</b>																												
Developmental Test (DT)																												
Operational Test (OT)																												
<b>Production Milestones: *</b>																												
FRP 3, LOT VII Award FY07																												
FRP 4, LOT VIII Award FY08																												
FRP 5, LOT IX Award FY09																												
FRP 6, LOT X Award FY10																												
FRP 7, LOT XI Award FY11																												
FRP 8, LOT XII Award FY12																												
FRP 9, LOT XIII Award FY13																												
<b>Deliveries: **</b>																												
FRP 1, LOT V																												
FRP 2, LOT VI																												
FRP 3, LOT VII																												
FRP 4, LOT VIII																												
FRP 5, LOT IX																												
FRP 6, LOT X																												
FRP 7, LOT XI																												
FRP 8, LOT XII																												

## Note:

\* EMD completed in 1st QTR of FY04, IOC in 2nd QTR of FY04, &amp; Acquisition Milestone III 3rd QTR of FY04.

\*\*USN deliveries only shown - does not include AF &amp; FMS deliveries.

CLASSIFICATION:							
Exhibit R-4a, Schedule Detail					DATE: February 2008		
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA 7	PROGRAM ELEMENT AND NAME 0207161N, TACTICAL AIM MISSILES			PROJECT NUMBER AND NAME 0457-AIM-9X			
Schedule Profile	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
AOTD P3I	1Q-4Q	1Q-4Q	1Q-2Q				
Developmental Test DT-IIIB	1Q						
Operational Test OT-IIIB	2Q - 4Q	1Q - 2Q					
Developmental Test DT-IIIC		2Q - 4Q	1Q				
Operational Test OT-IIIC			2Q - 4Q	1Q			
Developmental Test DT-IIID			2Q - 4Q	1Q - 3Q			
Operational Test OT-IIID				2Q - 4Q	1Q - 3Q		
Full Rate Production (FRP 3) Award Lot VII	1Q						
Full Rate Production (FRP 4) Award Lot VIII		2Q					
Full Rate Production (FRP 5) Award Lot IX			1Q				
Full Rate Production (FRP 6) Award Lot X				1Q			
Full Rate Production (FRP 7) Award Lot XI					1Q		
Full Rate Production (FRP 8) Award Lot XII						1Q	
Full Rate Production (FRP 9) Award Lot XIII							1Q
Full Rate Production (FRP 1), Lot V Delivery	1Q						
Full Rate Production (FRP 2), Lot VI Delivery	3Q - 4Q	1Q					
Full Rate Production (FRP 3), Lot VII Delivery		3Q - 4Q	1Q				
Full Rate Production (FRP 4), Lot VIII Delivery			3Q - 4Q	1Q - 2Q			
Full Rate Production (FRP 5), Lot IX Delivery				3Q-4Q	1Q - 3Q		
Full Rate Production (FRP 6), Lot X Delivery					3Q-4Q	1Q - 3Q	
Full Rate Production (FRP 7), Lot XI Delivery						3Q-4Q	1Q - 3Q
Full Rate Production (FRP 8), Lot XII Delivery							3Q-4Q

Note:

USN deliveries only shown - does not include AF &amp; FMS deliveries.