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EXHIBIT R-2, RDT&E Budget Item Justification								DATE: June 2001			
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-7						R-1 ITEM NOMENCLATURE 0207161N-Tactical Air Intercept					
COST (\$ in Millions)	Prior Year Cost	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Total PE Cost	184.800	38.872	21.473	16.402							
E0457 AIM-9X	184.800	38.872	21.473	16.402							
Quantity of RDT&E Articles	1	6	6	11							
<p>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The AIM-9X is a long-term evolution of the AIM-9, a fielded system, qualifying this as a research category operational systems development. The AIM-9X (Sidewinder) 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 tracing 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. Anti-Tamper features are being incorporated to protect improvements inherent in AIM-9X design.</p> <p>Status: In September 2000, the AIM-9X program received approval from the DAB to enter Low-Rate Initial Production (LRIP). Additionally the AIM-9X program was re-designated an Acquisition Category 1C (ACAT-1C) program with the milestone decision authority delegated to the Navy Acquisition Executive for LRIP II & III and MSIII Full Rate Production (FRP). The modeling and simulation suite was accredited by the program manager for use in specification compliance and to support the LRIP DAB.</p> <p>The joint flight test program has completed 16 unguided and 14 guided launches proving capabilities well beyond the fielded AIM-9M.</p> <p>(U) JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under OPERATIONAL SYSTEMS DEVELOPMENT because it encompasses engineering and manufacturing development for upgrade of existing, operational systems.</p>											

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EXHIBIT R-2a, RDT&E Project Justification								DATE: June 2001			
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-7	PROGRAM ELEMENT NUMBER AND NAME 0207161N-Tactical Air Intercept					PROJECT NUMBER AND NAME E0457-AIM-9X					
COST (\$ in Millions)	Prior Year Cost	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
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Exhibit R-2a, RDTEN Project Justification
(Exhibit R-2a, page 2 of 7)

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-7	PROGRAM ELEMENT NUMBER AND NAME 0207161N-Tactical Air Intercept	June 2001
<p>2. FY 2001 PLANS: (Navy Share Only)</p> <ul style="list-style-type: none">- (U) (\$14.128) Continue EMD efforts to include completion of DT-IIC and execution of DT-IID (TECHEVAL).- (U) (\$5.951) Continue providing government flight test support through implementation of DT-IID and DT assist with operational testers.- (U) (\$0.825) Provide for consulting services, technical engineering, and management support.- (U) (\$0.128) Headquarters travel.- (U) (\$0.441) Portion of extramural program reserved for Small Business Innovation Research assesment in accordance with 15 USC 68. <p>3. FY 2002 PLANS: (Navy Share Only)</p> <ul style="list-style-type: none">- (U) (\$6.505) Continue EMD efforts to include completion of OT-IIB.- (U) (\$8.994) Continue providing Government flight test support.- (U) (\$0.845) Provide for consulting services, technical engineering, and management support.- (U) (\$0.058) Headquarters travel.		

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<p>(U) B. PROGRAM CHANGE SUMMARY:</p> <table style="margin-left: auto; margin-right: auto; border: none;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: right;">FY2000</th> <th style="text-align: right;">FY2001</th> <th style="text-align: right;">FY2002</th> </tr> </thead> <tbody> <tr> <td>(U) FY 2001 President's Budget:</td> <td style="text-align: right;">39.830</td> <td style="text-align: right;">21.705</td> <td style="text-align: right;">13.885</td> </tr> <tr> <td>(U) Adjustments from the President's Budget:</td> <td style="text-align: right;">-0.958</td> <td style="text-align: right;">-0.232</td> <td style="text-align: right;">2.517</td> </tr> <tr> <td>(U) FY 2002 President's Budget Submit:</td> <td style="text-align: right;">38.872</td> <td style="text-align: right;">21.473</td> <td style="text-align: right;">16.402</td> </tr> </tbody> </table> <p>CHANGE SUMMARY EXPLANATION:</p> <p>(U) Funding: The FY 2000 net decrease of \$.958 million reflects a decrease of \$.586 million for a Small Business Innovative Research assessment, a decrease of \$.216 million for a reprioritization of requirements within the Navy and a decrease of \$.156 million for a Congressional Recission. The FY 2001 net decrease of \$.232 million reflects a decrease of \$.033 million for a reprioritization of requirements within the Navy, a decrease of \$.152 million for a Congressional Reduction and \$.047 million for a Congressional Recission. The FY 2002 net increase of \$2.513 million reflects a \$2.600 million increase in AIM-9X to support additional RDT&E requirements due to the program rebaselining approved Sep 00, \$.069 million decrease for a reprioritization of requirements within the Navy and a \$.018 million decrease for economic assumptions.</p> <p>(U) Schedule: Engineering Milestone (TRR for TECHEVAL) deleted. AIM-9X contractor Integrated Development Testing has no Government dedicated TECHEVAL test period.</p> <p>(U) Technical: Not Applicable.</p> <p>(U) C. OTHER PROGRAM FUNDING SUMMARY:</p> <table style="margin-left: auto; margin-right: auto; border: none;"> <thead> <tr> <th style="text-align: left;"><u>Line Item No. & Name</u></th> <th style="text-align: right;">FY 2000</th> <th style="text-align: right;">FY 2001</th> <th style="text-align: right;">FY 2002</th> </tr> </thead> <tbody> <tr> <td>AIM-9X Mods*</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">23.779</td> <td></td> </tr> <tr> <td>AIM-9X Missile*</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">27.310</td> </tr> <tr> <td>AIM-9M Mods</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.600</td> <td style="text-align: right;">0.802</td> </tr> <tr> <td>AIM-9X Spares</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.753</td> <td style="text-align: right;">0.978</td> </tr> </tbody> </table> <p>*FY01 is a modification program/FY02 and future years are a missile program (resulting from FY01 Appropriations Conference language).</p>				FY2000	FY2001	FY2002	(U) FY 2001 President's Budget:	39.830	21.705	13.885	(U) Adjustments from the President's Budget:	-0.958	-0.232	2.517	(U) FY 2002 President's Budget Submit:	38.872	21.473	16.402	<u>Line Item No. & Name</u>	FY 2000	FY 2001	FY 2002	AIM-9X Mods*	0.000	23.779		AIM-9X Missile*	0.000	0.000	27.310	AIM-9M Mods	0.000	0.600	0.802	AIM-9X Spares	0.000	0.753	0.978
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<p>(U) D. ACQUISITION STRATEGY: After a full and open competition, a Cost Plus Incentive Fee/Award Fee contract was awarded to Hughes Missile System Company (now Raytheon Systems Corporation) (RSC) to complete missile system development and prepare for production. This Engineering and Manufacturing Development (EMD) contract includes three Fixed Price options for Low Rate Initial Production (LRIP) Lots I, II and III. The FY01 LRIP I option was exercised in Nov 2000, LRIP II option is planned for FY02 and LRIP III option is planned to be exercised in FY03. The EMD contract and production options provide strong incentives for the contractor to control costs, achieve reliability performance and deliver on schedule. In September 2000, the AIM-9X program received approval from the DAB to enter Low-Rate Initial Production (LRIP). Additionally the AIM-9X program was re-designated an ACAT-1C program with the milestone decision authority delegated to the Navy Acquisition Executive.</p> <p>The Navy Acquisition Executive will make the Full Rate Production (FRP) decision with advice from the Air Force Acquisition Executive subsequent to the successful completion of the associated exit criteria. FRP Lots 4 through 7 contracts will be Firm Fixed-Price (FFP) with incentives provided the contractor meets or beats his Procurement Price Commitment Curve (PPCC). Rewards or penalties are provided depending on RSC's performance relative to the PPCC. A Service review of RSC's Lot 4 through 7 proposals relative to the PPCC will be held prior to award of those contracts.</p> <p>(U) E. SCHEDULE PROFILE:</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 20%; text-align: center;"><u>FY 2000</u></th> <th style="width: 20%; text-align: center;"><u>FY 2001</u></th> <th style="width: 30%; text-align: center;"><u>FY 2002</u></th> </tr> </thead> <tbody> <tr> <td>(U) Program Milestones</td> <td style="text-align: center;">4Q/00 LRIP I DAB</td> <td></td> <td></td> </tr> <tr> <td>(U) Engineering Milestones</td> <td></td> <td></td> <td style="text-align: center;">1Q/02 TRR for OPEVAL</td> </tr> <tr> <td>(U) T&E Milestones</td> <td></td> <td style="text-align: center;">2Q/01-4Q/01 DT-IID</td> <td style="text-align: center;">1Q/02-1Q/03 OT-IIB</td> </tr> <tr> <td>(U) Contract Milestones</td> <td></td> <td style="text-align: center;">1Q/01 LRIP I award</td> <td style="text-align: center;">1Q/02 LRIP II award</td> </tr> </tbody> </table>				<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	(U) Program Milestones	4Q/00 LRIP I DAB			(U) Engineering Milestones			1Q/02 TRR for OPEVAL	(U) T&E Milestones		2Q/01-4Q/01 DT-IID	1Q/02-1Q/03 OT-IIB	(U) Contract Milestones		1Q/01 LRIP I award	1Q/02 LRIP II award
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Exhibit R-3 Cost Analysis (page 2)								DATE: June 2001				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME						
RDTE&E, N / BA-7			0207161N-Tactical Air Intercept			E0457-AIM-9X						
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date			Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	WX	NAWCWD	18.259	1.178	11/00	8.004	11/00					
Developmental Test & Evaluation	WX	NAWCAD	4.683									
Subtotal T&E			22.942	1.178		8.004						
Remarks: Prior Years included in Product Development.												
Contractor Engineering Support	ID/IQ,T&M	Endmark, Arlington, Va	3.670									
Contractor Engineering Support	ID/IQ,T&M	MSTT, Arlington, Va	0.776	0.210	12/00							
Program Management Support	ID/IQ,T&M	NSM, Arlington, Va.	1.359	0.081	11/00							
Travel	WX	PMA259 IPT	1.077	0.128	10/00	0.058	10/01					
Various Eng. Support Contracts	ID/IQ,T&M	Various	0.206	0.640		0.270						
SBIR Assessment				0.441								
Subtotal Management			7.088	1.500		0.328						
Remarks:												
Total Cost			223.672	21.473		16.402						
Remarks: Support Costs included in Management Costs.												

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