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EXHIBIT R-2, RDT&E Budget Item Justification								DATE: June 2001			
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-5						R-1 ITEM NOMENCLATURE 0604603N Unguided Conventional Air Launched Weapon					
COST (\$ in Millions)	Prior Years 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	0.000	2.836	2.553	12.890							
A2183 SLAM ER	0.000	2.836	2.553	12.890							
Quantity of RDT&E Articles	Not Applicable										
(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: (U) A2183/STANDOFF LAND ATTACK MISSILE - EXPANDED RESPONSE (SLAM ER) Description: This program funds the development of SLAM (ER) designed to improve performance in the areas of launch and control aircraft survivability, immunity to countermeasures, probability of kill against hardened targets and improved user interfaces for both missile planning and launch aircraft integration. The SLAM ER system consists of hardware and software upgrades to the missile, software upgrades to the F/A-18 aircraft, and software upgrades to the Joint Mission Planning System (JMPS). In complying with DOD mandated requirements, Selective Availability Anti-spoofing Module (SAASM) is being incorporated into the SLAM ER weapon system. (U) JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under ENGINEERING & MANUFACTURING DEVELOPMENT because it encompasses engineering and manufacturing development of new end-items.											

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EXHIBIT R-2a, RDT&E Project Justification								DATE: June 2001			
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-5		PROGRAM ELEMENT NUMBER AND NAME 0604603N Unguided Conventional Air Launched Weapon				PROJECT NUMBER AND NAME A2183 SLAM ER					
COST (\$ in Millions)	Prior Years Cost	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Project Cost		2.836	2.553	12.890							
RDT&E Articles Qty											

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: A2183/STANDOFF LAND ATTACK MISSILE - EXPANDED RESPONSE (SLAM ER) Description: This program funds the development of SLAM ER designed to improve performance in the areas of launch and control aircraft survivability, immunity to countermeasures, probability of kill against hardened targets and improved user interfaces for both missile planning and launch aircraft integration. The SLAM ER consists of both hardware and software upgrades to the missile. SLAM ER incorporates many non-development items i.e., the Embedded Global Positioning System/Inertial Navigation System (GPS/INS) (EGI), modified Tomahawk wings and warhead, and the existing advanced mode of the AWW-13 data link pod. The Automatic Target Acquisition (ATA) tracker is being integrated into the SLAM ER missile to enhance its capability to attack and kill in low thermal contrast, small targets in cluttered urban scenes, and in poor weather. The ATA capability will also reduce the overall number of Standoff Outside Area Defense (SOAD) missiles needed by increasing the probability of kill for part of the target set. In addition, ATA increases pilot and aircraft survivability by minimizing the time that the pilot needs to fly with his head down to control the weapon. SLAM ER (+) incorporates ATA. To accommodate future U.S. Air Force and Navy aircraft integration, SLAM ER will incorporate a MIL-STD-1760 interface. The SLAM ER Mission Planning Module (MPM) development and modifications are required to remain compatible with the changes to the Tactical Aircraft Mission Planning System (TAMPS) and to migrate to the Joint Mission Planning System. SLAM ER aircraft software integration efforts need to remain compatible with ongoing F/A-18 periodic software builds. To comply with DOD mandated requirements, Selective Availability Anit-Spoofing Module (SAASM) will be incorporated into the SLAM ER weapon system.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

- FY 2000 ACCOMPLISHMENTS:
 - (U) (\$ 1.206) Completed conversion of SLAM/SLAM ER TAMPS 6.2.1 MPM development.
 - (U) (\$ 1.566) Continued Missile Flight Test and Evaluation to support TAMPS evolutionary acquisition strategy.
 - (U) (\$.064) Continued systems engineering, government and contractor support.
- FY 2001 PLANS:
 - (U) (\$ 1.934) Continued SLAM/SLAM ER TAMPS MPM, and F/A-18 MPM into planning components of the JMPS.
 - (U) (\$.554) Continue Missile Flight Test and Evaluation to support TAMPS evolutionary acquisition strategy.
 - (U) (\$.064) Continue systems engineering, government and contractor support.
 - (U) (\$.001) Portion of extramural program reserved for Small Business Innovation Research assessment in accordance with 15 USC 68.
- FY 2002 PLANS:
 - (U) (\$ 1.948) Continue conversion of SLAM/SLAM ER TAMPS MPM, and F/A-18 MPM into planning components of the JMPS.
 - (U) (\$.901) Continue Missile Flight Test and Evaluation to support TAMPS evolutionary acquisition strategy.
 - (U) (\$ 9.974) Begin SLAM-ER/SAASM Integration.
 - (U) (\$.067) Continue systems engineering, government and contractor support.

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Exhibit R-2a, RDTEN Project Justification
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EXHIBIT R-2a, RDT&E Project Justification		DATE: June 2001
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-5	PROGRAM ELEMENT NUMBER AND NAME 0604603N Unguided Conventional Air Launched Weap	PROJECT NUMBER AND NAME A2183 SLAM ER

(U) B. PROGRAM CHANGE SUMMARY:

	FY2000	FY2001	FY2002
(U) FY 2001 President's Budget:	1.589	2.581	2.979
(U) Adjustments from the President's Budget:	1.247	-0.028	9.911
(U) FY 2002 President's Budget Submit:	2.836	2.553	12.89

CHANGE SUMMARY EXPLANATION:

(U) Funding: The FY 2000 net increase of \$1.247 million consists of a \$1.300 million increase to complete SLAM ER Operational Testing and a \$0.016 million dollar decrease is for a Small Business Innovative Research assessment and a \$0.037 million decrease for reprioritization of requirements within the Navy. The FY 2001 net decrease of \$0.028 million reflects decrease for \$0.022 million for reprioritization of requirements within the Navy and a \$0.006 million decrease for a Congressional rescission. The FY 2002 net increase of \$9.911 million reflects a \$10.000 million increase to fund the RD TEN effort to develop a SSASM module integration in SLAM ER and a decrease of \$0.038 million for economic assumptions and a decrease of \$0.053 million for a reprioritization of requirements within the Navy.

(U) Schedule: Schedule changes for ATA T&E and IOC based on delay in test asset availability test missiles planned for ATA were required to complete OT-IIB testing. Schedule change for FY01 FRP reflects shift to a calendar year (Jan-Dec) production delivery schedule following 12 month production lead time. FY02 begins SSASM integration and continued JMPS.

(U) Technical: N/A

(U) C. OTHER PROGRAM FUNDING SUMMARY:

<u>Line Item No. & Name</u>	FY 2000	FY 2001	FY 2002
WPN BLI 223100 SLAM ER	47.148	27.603	26.174

Related RDT&E,N: Not Applicable

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Exhibit R-2a, RD TEN Project Justification
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APPROPRIATION/BUDGET ACTIVITY RDTE, N / BA-5	PROGRAM ELEMENT NUMBER AND NAME 0604603N Unguided Conventional Air Launched Weapons	PROJECT NUMBER AND NAME A2183 SLAM ER																				
(U) D. ACQUISITION STRATEGY: This is a non-ACAT I program with no specific acquisition strategies.																						
(U) E. SCHEDULE PROFILE: <table border="1"> <thead> <tr> <th></th> <th><u>FY 2000</u></th> <th><u>FY 2001</u></th> <th><u>FY 2002</u></th> </tr> </thead> <tbody> <tr> <td>(U) Program Milestones</td> <td>3Q/00 IOC 3Q/00 MS III</td> <td>3Q/01 ATA IOC 2Q/01 JMPS UPC Contract Award</td> <td></td> </tr> <tr> <td>(U) Engineering Milestones</td> <td></td> <td>4Q/01 JMPS UPC Design Review</td> <td>2Q/02 SAASM PDR 4Q SAASM CDR</td> </tr> <tr> <td>(U) T&E Milestones</td> <td>1Q/00 OTRR 1Q/00 VCD (OT-IIB) 3Q-4Q/00 DT/ATA</td> <td>1Q/01 DT/ATA 1Q-2Q/01 FOT&E/ATA</td> <td></td> </tr> <tr> <td>(U) Contract Milestones</td> <td>2Q/00 LRIP III OPTION 3Q/00 FRP I</td> <td>2Q/01 FRP II</td> <td>2Q/02 FRP III 2Q/02 SAASM Contract Award 1Q/02 JMPS UPC Contract Option</td> </tr> </tbody> </table>				<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	(U) Program Milestones	3Q/00 IOC 3Q/00 MS III	3Q/01 ATA IOC 2Q/01 JMPS UPC Contract Award		(U) Engineering Milestones		4Q/01 JMPS UPC Design Review	2Q/02 SAASM PDR 4Q SAASM CDR	(U) T&E Milestones	1Q/00 OTRR 1Q/00 VCD (OT-IIB) 3Q-4Q/00 DT/ATA	1Q/01 DT/ATA 1Q-2Q/01 FOT&E/ATA		(U) Contract Milestones	2Q/00 LRIP III OPTION 3Q/00 FRP I	2Q/01 FRP II	2Q/02 FRP III 2Q/02 SAASM Contract Award 1Q/02 JMPS UPC Contract Option
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Exhibit R-2a, RDTE Project Justification
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Exhibit R-3 Cost Analysis (page 1)								DATE: June 2001					
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME							
RDT&E, N / BA-5			0604603N Unguided Conventional Air Launched Weapon			A2183 SLAM ER							
Cost Categories	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
Software Development	SS/CPIF	Boeing, Mo	125.816	1.510	11/00	1.548	11/01						
Miscellaneous	Various	Various	46.226	0.424	Various	0.400	Various						
SAASM Intergration	SS/CPIF	Boeing, Mo				8.974	01/02						
Subtotal Product Development			172.042	1.934		10.922							
Remarks:													
Miscellaneous	C/FFP	Delex Corporation	1.101	0.064	8/00	0.067	8/01						
SBIR Assessment				0.001									
Subtotal Support			1.101	0.065		0.067							
Remarks:													

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Exhibit R-3, Project Cost Analysis
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Exhibit R-3 Cost Analysis (page 2)										DATE: June 2001			
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-5			PROGRAM ELEMENT 0604603N Unguided Conventional Air Launched Weapon				PROJECT NUMBER AND NAME A2183 SLAM ER						
Cost Categories	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	
Missile Flight Test & Evaluation	WX	NAWC-WD	23.965	0.554	Various	0.901	Various						
Subtotal T&E			23.965	0.554		0.901							
Remarks:													
Gov't Engineering Support (SAASM)	WX	TBD				1.000	Various						
Subtotal Management			0.000	0.000		1.000							
Remarks:													
Total Cost			197.108	2.553		12.890							
Remarks:													

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