

UNCLASSIFIED

EXHIBIT R-2, FY 2000 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: FEB 1999

BUDGET ACTIVITY: 5

PROGRAM ELEMENT: 0604603N

PROGRAM ELEMENT TITLE: Unguided Conventional Air-Launched Weapons

(U) COST: (Dollars in Thousands)

<u>Project Number & Title</u>	<u>FY 1998 Budget</u>	<u>FY 1999 Budget</u>	<u>FY 2000 Estimate</u>	<u>FY 2001 Estimate</u>	<u>FY 2002 Estimate</u>	<u>FY 2003 Estimate</u>	<u>FY 2004 Estimate</u>	<u>FY 2005 Estimate</u>	<u>To Complete</u>	<u>Total Program</u>
A2183 SLAM ER	28,158	5,122	1,598	2,928	3,091	4,632	4,757	4,869	CONT.	CONT.
TOTAL	28,158	5,122	1,598	2,928	3,091	4,632	4,757	4,869	CONT.	CONT.

Quantity of RDT&E Articles 4

(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 maintain baseline SLAM capability while improving 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.

(U) JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under ENGINEERING & MANUFACTURING DEVELOPMENT because it encompasses engineering and manufacturing development of new end-items prior to production approval decision.

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EXHIBIT R-2a, FY 2000 RDT&E,N BUDGET PROJECT JUSTIFICATION SHEET

DATE: FEB 1999

BUDGET ACTIVITY: 5

PROGRAM ELEMENT: 0604603N

PROJECT NUMBER: A2183

**PROGRAM ELEMENT TITLE: Unguided Conventional
Air-Launched Weapons**

PROJECT TITLE: SLAM ER

(U) COST: (Dollars in Thousands)

<u>Project Number & Title</u>	<u>FY 1998 Budget</u>	<u>FY 1999 Budget</u>	<u>FY 2000 Estimate</u>	<u>FY 2001 Estimate</u>	<u>FY 2002 Estimate</u>	<u>FY 2003 Estimate</u>	<u>FY 2004 Estimate</u>	<u>FY 2005 Estimate</u>	<u>To Complete</u>	<u>Total Program</u>
A2183 SLAM ER	28,158	5,122	1,598	2,928	3,091	4,632	4,757	4,869	CONT.	CONT.
TOTAL	28,158	5,122	1,598	2,928	3,091	4,632	4,757	4,869	CONT.	CONT.

Quantity of RDT&E Articles 4

(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 maintain baseline SLAM capability while improving 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 low thermal contrast, and 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. 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.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

1. FY 1998 ACCOMPLISHMENTS:

- (U) (\$ 9,158) Continued engineering & manufacturing development (E&MD) efforts. Provided SLAM ER missile support.
- (U) (\$ 1,081) Completed F/A-18 aircraft OFP-13C SLAM ER integration and flight clearance and developed the F/A-18 OFP-15C Automatic Target Acquisition (ATA) software.
- (U) (\$ 1,000) Continued Osprey Jaywalker efforts.
- (U) (\$ 12,024) Continued missile flight test and evaluation and completed ASN (RD&A) Program Review for Low Rate Initial Production (LRIP) II.
- (U) (\$ 2,600) Completed warhead development and testing.
- (U) (\$ 2,295) Continued systems engineering, government and contractor support.

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PROJECT TITLE: SLAM ER

2. FY 1999 PLAN:

- (U) (\$ 1,500) Complete E&MD efforts.
- (U) (\$ 500) Complete Osprey Jaywalker efforts.
- (U) (\$ 1,451) Continue Missile Flight Test and Evaluation.
- (U) (\$ 1,615) Complete system engineering, government and contractor support.
- (U) (\$ 56) Portion of extramural program reserved for Small Business Innovation Research assessment in accordance with 15 USC 638.

3. FY 2000 PLAN:

- (U) (\$ 907) Begin conversion of SLAM/SLAM ER TAMPS Mission Planning Module (MPM) into planning components for the Joint Mission Planning System (JMPS).
- (U) (\$ 691) Continue Missile Flight Test and Evaluation to support TAMPS evolutionary acquisition strategy.

(U) B. PROGRAM CHANGE SUMMARY

	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>
(U) FY 1999 President's Budget:	28,020	5,183	1,626
(U) Appropriated Value:	28,890	5,183	
(U) Adjustments from President's Budget:	+138	-61	-28
(U) FY 2000 President's Budget Submit:	28,158	5,122	1,598

CHANGE SUMMARY EXPLANATION:

- (U) Funding: The FY 98 net increase consists of decreases of -\$330 thousand for Small Business Innovative Research (SBIR) assessment, -\$279 thousand for higher Navy priorities and -\$3 thousand for a minor program adjustment. These reductions are offset by an increase of \$750 thousand for developing and testing of SLAM ER mission planning modules (TAMPS). The FY 99 decrease reflects reductions of -\$41 thousand for Contract Advisory and Assistance Services and -\$20 thousand for revised economic assumptions. The FY 00 decrease of -\$28 thousand reflects minor program adjustments.
- (U) Schedule: FY 98: Operational Test (OT) IIA and Operational Test Readiness Review (OTRR) have slipped one quarter due to software incompatibility with multiple TAMPS builds. FY 99: Milestone III, IOC and Full Rate Production (FRP) have slipped one quarter due to OPEVAL. Follow-on Test and Evaluation (FOT&E)/ATA and Full Rate Production (FRP)/ATA were added to better define ATA schedule.
- (U) Technical: N/A

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(U) C. OTHER PROGRAM FUNDING SUMMARY

<u>Appn</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>To</u>
	<u>Budget</u>	<u>Budget</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>
WPN Line 8									
SLAM ER	0	39,294	38,088	30,641	29,225	28,767	29,478	30,094	211,482
WPN Line 17									
Harpoon Mods	20,716	0	0	0	0	0	0	0	0

Related RDT&E: N/A

(U) D. ACQUISITION STRATEGY: This is a non-ACAT I program with no specific acquisition strategies.

(U) E. SCHEDULE PROFILE:

	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>To Complete</u>
(U) Program Milestones	2Q LRIP (II)	3Q MSIII		
(U) Engineering Milestones		3Q IOC		
(U) T&E Milestones	2Q/3Q DT-IIID	1Q OPEVAL		
	3Q/98-1Q/99 OT-IIA	3Q/4Q FOT&E/ATA		
	3Q OTRR			
(U) Contract Milestones		3Q FRP	2Q FRP/ATA	

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EXHIBIT R-3, FY 2000 RDT&E,N COST ANALYSIS

DATE: FEB 1999

BUDGET ACTIVITY: 5

PROGRAM ELEMENT: 0604603N

PROJECT NUMBER: A2183

PROJECT TITLE: SLAM ER

<u>Cost Categories:</u>	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior Yrs Cost</u>	<u>FY 1999 Cost</u>	<u>FY 1999 Award Date</u>	<u>FY 2000 Cost</u>	<u>FY 2000 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
TAMPS Software Development	SS/CPIF	BOEING, MO	123,712	1,500	1/99	630	1/00	CONT.	CONT.	
Miscellaneous	Various	Various	44,263	1,975	Various	277	11/99	CONT.	CONT.	
Subtotal Product Development			167,975	3,475		907		CONT.	CONT.	

Remarks:

Miscellaneous	WX		776	140	1/99	0		0	906	
Subtotal Support			776	140		0		0	906	

Remarks:

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EXHIBIT R-3, FY 2000 RDT&E,N COST ANALYSIS

DATE: FEB 1999

BUDGET ACTIVITY: 5

PROGRAM ELEMENT: 0604603N

PROJECT NUMBER: A2183

PROJECT TITLE: SLAM ER

Cost Categories:	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior Yrs Cost</u>	<u>FY 1999 Cost</u>	<u>FY 1999 Award Date</u>	<u>FY 2000 Cost</u>	<u>FY 2000 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
Missile Flight T&E	WX	NAWC-WD China Lake	19,405	1,451	11/98	691	11/99	CONT.	CONT.	
Subtotal Test & Evaluation			19,405	1,451		691		CONT.	CONT.	
Subtotal Management			0	0		0		0	0	
SBIR Assessment				56						
Total Cost			188,156	5,122		1,598		CONT.	CONT.	

Remarks:

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