

CLASSIFICATION:	UNCLASSIFIED
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EXHIBIT R-2, RDT&E BUDGET ITEM JUSTIFICATION	DATE February 2008
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APPROPRIATION/BUDGET ACTIVITY RDTEN/BA 5	R-1 ITEM NOMENCLATURE 0604373N/AIRBORNE MCM						
COST (In Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total PE Cost	57.126	55.979	39.882	33.264	30.319	34.453	41.368
0529 / ABN MINE HUNT SYSTEM	10.644	5.074	2.495	4.828	7.661	11.212	11.228
2047 / ALMDS	11.279	12.519	6.458	11.274	9.563	10.093	15.489
2427 / OASIS	11.740	7.637	7.060	6.471	3.087	4.719	4.814
2473 / Airborne Mine Neutralization System	18.608	24.098	20.413	7.750	7.114	5.474	6.852
4026 / Strat Into Medal, Tactics & Trng Organic Force	2.230	3.712	2.787	1.970	1.925	1.966	1.999
9179 / Surf Navy Integ Undersea Tactical Tech	0.000	0.554	0.669	0.971	0.969	0.989	0.986
9999 / CONG ADD	0.000	2.385	0.000	0.000	0.000	0.000	0.000
9A39N / Airborne Mine Countermeasures Open Arch Technology	2.625	0.000	0.000	0.000	0.000	0.000	0.000

A. MISSION DESCRIPTION:

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Airborne Mine Countermeasures (AMCM) programs will deploy to the fleet as sensors integrated into the MH-53E and MH-60S platforms in order to provide Mine-Like Object Detection/classification/localization, Mine Identification, mine reacquisition and neutralization, and influence clearance capabilities. The "Next Generation" AMCM systems will provide this set of capabilities to the Littoral Combat Ship (LCS) Mine Warfare Mission Module. This capability will be of critical importance in littoral zones, confined straits, choke points, and the Amphibious Objective Area (AOA). Some interest in the following areas has been expressed: search and rescue; surface fire support; ASW operations; protection/offense against small craft/vehicles; air to air operations; very shallow water MCM; swimmer defense and torpedo defense. Surface Navy Integrated Undersea Tactical Technology (SNIUTT) will be used to develop an AN/SQQ-32, AN/AQS-14, AN/AQS-24 and AN/AQS-20A sensor training module for a LAN-based Surface Network Embedded Analysis and Tactical Trainer (SNEATT).

FY2008 funding totals do not include \$19.5M previously requested for current FY2008 GWOT requirements.

B. PROGRAM CHANGE SUMMARY:

Funding:	FY 2007	FY 2008	FY 2009
Previous President's Budget	58.623	54.761	20.251
Current President's Budget	57.126	55.979	39.882
Total Adjustments	(1.497)	1.218	19.631
Summary of Adjustments:			
Miscellaneous Adjustments	0.000	(0.819)	
Congressional Undistributed Reductions		(0.363)	
Economic Assumptions			(0.169)
Congressional Increases		2.400	
Program Adjustment	0.000	0.000	19.800
SBIR Adjustments	(1.497)	0.000	0.000
Subtotal	(1.497)	1.218	19.631

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EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION					DATE February 2008		
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM			PROJECT NUMBER AND NAME 0529/ABN MINE HUNT SYSTEM		
COST (In Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	10.644	5.074	2.495	4.828	7.661	11.212	11.228
RDT&E Articles Qty	0	0	0	0	0	0	0

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

This project includes a sonar for mine detection, classification and identification. The Navy does not possess a capability to conduct minefield reconnaissance (mine density and location) at high area search rates. The AN/AQS-20A is being developed to address the emergent requirements for mine identification and to integrate AMCM systems with a MH-60S platform. The AN/AQS-20A will also be the mine hunting sonar component for the Remote Mine hunting System (RMS). The AN/AQS-20A will be developed to meet the requirements of the Littoral Combat Ship (LCS) Mine Warfare Mission Module.

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EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION			DATE February 2008
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5	PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM	PROJECT NUMBER AND NAME 0529/ABN MINE HUNT SYSTEM	
B. ACCOMPLISHMENTS/PLANNED PROGRAM:			
	FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost	6.634	3.659	1.414
RDT&E Articles Quantity	0	0	0
FY07: - System engineering analysis on Search Sensor upgrades P3I development - System requirements, performance assessment and PMA software for the CAD/CAC P3I development - Began Environment Data Extraction Analysis FY08: - CAD/CAC software upgrades - Sensor Fusion software upgrades - Continue Real Time CAD/CAC development - Continue Environmental Data Extraction Analysis FY09: - Perform Through the Sensor analysis - CAD/CAC software upgrade - Search Sensor upgrade			
	FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost	2.350	0.574	0.375
RDT&E Articles Quantity	0	0	0
FY07: - Began performance analysis identifying design efforts required to resolve interface problems - Tactics, Mission Planning, and PMA during MH-60S DT and OT phases - Continue Interface/integration with MH-60S, C4I Interface and MEDAL - Development of ILS and supportability products and training materials FY08: - Continue performance analysis identifying design efforts required to resolve interface problems			

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EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)			DATE February 2008
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5	PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM	PROJECT NUMBER AND NAME 0529/ABN MINE HUNT SYSTEM	
<ul style="list-style-type: none"> - Tactics, Mission Planning, and PMA during MH-60S OT phase - Complete Interface/integration with MH-60S, C4I Interface and MEDAL - Development of ILS and supportability products and training materials <p>FY09:</p> <ul style="list-style-type: none"> - Begin to develop ILS and supportability product and training materials for P3I improvements 			
	FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost	1.000	0.550	0.550
RDT&E Articles Quantity	0	0	0
<p>FY07:</p> <ul style="list-style-type: none"> - Continue MH-60S DT - Support integration testing on Towed Body with RMS during TECHEVAL and OPEVAL - Began Operational Testing <p>FY08:</p> <ul style="list-style-type: none"> - Complete MH-60S OT - Conduct testing on P3I improvements <p>FY09:</p> <ul style="list-style-type: none"> - Conduct testing on P3I improvements 			
	FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost	0.660	0.291	0.156
RDT&E Articles Quantity	0	0	0
<p>FY07:</p> <ul style="list-style-type: none"> - Provide planning and management during MH-60S DT and OT phases - Began documentation development in support of FRPDR - Planning and management of AN/AQS-20A ILS <p>FY08:</p> <ul style="list-style-type: none"> - Provide planning and management during MH-60S OT phase - Complete documentation development in support of FRPDR 			

CLASSIFICATION:**UNCLASSIFIED****EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)**

DATE

February 2008

APPROPRIATION/BUDGET ACTIVITY

PROGRAM ELEMENT NUMBER AND NAME

PROJECT NUMBER AND NAME

RD TEN/BA 5**0604373N/AIRBORNE MCM****0529/ABN MINE HUNT SYSTEM**

- Planning and management of AN/AQS-20A ILS

FY09:

- Begin to support the development of ILS and supportability product and training materials for P3I improvements

C. OTHER PROGRAM FUNDING SUMMARY:

Line Item No. and Name	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Cost
OPN LI 4248 AQS-20A	45.891	45.120	8.000	10.482	3.100	3.300	3.300		
OPN LI 1600 LCS Mission Modules	78.741	0.000	131.241	234.673	242.184	252.298	227.441		

D. ACQUISITION STRATEGY:

AN/AQS-20A achieved Milestone C on 10 May 2005.

Sole Source to Raytheon of MH-60S systems. LRIP procurement began in FY05, FY06 and FY07. Full Rate Production Decision Review (FRPDR) is expected in August 2008 with sole source contract award for FY08 and FY09 procurements.

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EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS										DATE February 2008		
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM					PROJECT NUMBER AND NAME 0529/ABN MINE HUNT SYSTEM					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY 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
Hardware/Software Development	SS/CPIF	Raytheon, Portsmouth, RI	26.986	4.134	OCT-06	0.000		0.000		CONT	CONT	0.000
Hardware/Software Development	C/CPFF	Raytheon, Portsmouth, RI	60.150	0.000		0.000		0.000		0.000	60.150	0.000
Hardware/Software Development	WX	NSWC, PC	6.843	2.500	OCT-06	3.659	DEC-07	1.414	OCT-08	CONT	CONT	0.000
Hardware/Software Development	C/FP	Northrop Gummman	4.572	0.000		0.000		0.000		0.000	4.572	0.000
			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Subtotal Product Development			98.551	6.634		3.659		1.414		CONT	CONT	0.000
Remarks:												
Engineering Services	WX	NSWC, PC	29.218	0.500	OCT-06	0.474	DEC-07	0.325	NOV-08	CONT	CONT	0.000
Engineering Services	C/CPFF	Raytheon, Portsmouth, RI	3.286	0.400	OCT-06	0.000		0.000		CONT	CONT	0.000
Engineering Services	VAR	Various	53.518	0.500	OCT-06	0.000		0.000		0.000	54.018	0.000
Engineering Services	SS/CPIF	Raytheon, Portsmouth, RI	3.464	0.000		0.000		0.000		0.000	3.464	0.000
ILS Function	WX	NSWC, PC	5.982	0.230	OCT-06	0.100	DEC-07	0.050	NOV-08	CONT	CONT	0.000
ILS Function	SS/CPIF	Raytheon, Portsmouth, RI	0.826	0.720	OCT-06	0.000		0.000		CONT	CONT	0.000
ILS Function	VAR	Various	0.981	0.000		0.000		0.000		0.000	0.981	0.000
Subtotal Support Costs			97.275	2.350		0.574		0.375		CONT	CONT	0.000
Remarks:												
T&E Functions	WX	NSWC, PC	10.768	0.500	OCT-06	0.000		0.000		CONT	CONT	0.000
T&E Functions	SS/CPIF	Raytheon, Portsmouth, RI	3.634	0.500	OCT-06	0.550	FEB-08	0.550	FEB-09	CONT	CONT	0.000
T&E Functions	VAR	Various	1.583	0.000		0.000		0.000		0.000	1.583	0.000
Subtotal Test and Evaluation			15.985	1.000		0.550		0.550		CONT	CONT	0.000
Remarks:												
Management Services			3.497	0.630	OCT-06	0.266	JAN-08	0.131	JAN-09	CONT	CONT	0.000
Travel			0.474	0.030	OCT-06	0.025	OCT-07	0.025	OCT-08	CONT	CONT	0.000
Subtotal Management Services			3.971	0.660		0.291		0.156		CONT	CONT	0.000
Total Cost			215.782	10.644		5.074		2.495		CONT	CONT	0.000
Remarks:												

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EXHIBIT R-4, SCHEDULE PROFILE

DATE

February 2008

APPROPRIATION/BUDGET ACTIVITY
RDTEN/BA 5

PROGRAM ELEMENT NUMBER AND NAME
0604373N/AIRBORNE MCM

PROJECT NUMBER AND NAME
0529/ABN MINE HUNT SYSTEM

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				
Acquisition Milestones								△ FRP ★ IOC																								
Development Phase	[REDACTED]				AN/AQS-20A P3I																											
EDMs Delivery																																
Software Delivery V5.X SW Delivery																																
Test & Evaluation Milestones																																
Development Test	MH-60S DT [REDACTED]																															
Operational Test								MH-60S OT ▽▽																								
Production Milestones																																
LRIP I, II & IIa (FY 05, FY06 & FY07)	[REDACTED]				AN/AQS-20A LRIP I, II, & IIa												AN/AQS-20A Full Rate Production															

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EXHIBIT R-4a, SCHEDULE DETAIL						DATE February 2008		
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM			PROJECT NUMBER AND NAME 0529/ABN MINE HUNT SYSTEM			
Schedule Profile		FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
MH-60S Int DT		1Q-3Q						
MH-60S OT			2Q					
Low Rate Initial Production I, II, and III		1Q-4Q	1Q-4Q	1Q-4Q	1Q			
IOC			4Q					
AN/AQS-20A Full Rate Production			4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q

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EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION					DATE February 2008		
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM			PROJECT NUMBER AND NAME 2047/ALMDS		
COST (In Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	11.279	12.519	6.458	11.274	9.563	10.093	15.489
RDT&E Articles Qty	0	0	0	0	0	0	0
A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:							
<p>The Airborne Laser Mine Detection System (ALMDS), designation AN/AES-1, is a light detection and ranging (LIDAR) Airborne Mine Countermeasures (AMCM) high area coverage system that detects, classifies, and localizes floating and near-surface, moored sea mines. The system is deployed from the MH-60S helicopter and will provide organic airborne mine defense to the battle force. The system represents a capability that does not exist in the current Mine Countermeasures (MCM) inventory.</p> <p>ALMDS first spiral development phase, very shallow water capability, begins in FY2013.</p>							

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EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION			DATE February 2008
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5	PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM	PROJECT NUMBER AND NAME 2047/ALMDS	
B. ACCOMPLISHMENTS/PLANNED PROGRAM:			
	FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost	5.683	4.222	2.676
RDT&E Articles Quantity	0	0	0
Hardware and Software technology development and demonstration/Engineering Services			
FY07: Continue Engineering and design associated with increment1 baseline performance to include sensor tilt, movement of the umbilical cables, data processor improvements, receiver improvements and removal of PVC.			
FY08: Continue engineering associated with Increment 1 Baseline.			
FY09: Post test engineering associated with Increment 1 Baseline.			
All: TDA Engineering/oversight/support of engineering efforts to meet baseline performance and full performance.			
	FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost	0.122	0.092	0.092
RDT&E Articles Quantity	0	0	0
Integrated Logistics Support			
FY07: Training for DT IID Phase B, WSITGT /CT / LCS Integration.			
FY08: Training for DT IIE, Prepare for OT-IIA.			
FY09: Training associated with OT IIA.			
ALL: TDA support of ILS Program, to include operator training, NATOPS documentation updates, and tech/maintenance manual updates.			

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EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)								DATE February 2008		
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM				PROJECT NUMBER AND NAME 2047/ALMDS				
		FY 2007		FY 2008		FY 2009				
Accomplishments/Effort/Subtotal Cost		3.853		6.428		2.850				
RDT&E Articles Quantity		0		0		0				
Testing and Evaluation										
FY07 DT-IID Phase B, WSIT GT/ WSIT CT /SQT/Captive Carriage, Jettison Test.										
FY08 DT-IID Phase C, WSIT CT, DT-IIE/E3 Testing.										
FY09 Completion of DT-IIE and OT-IIA OPEVAL.										
		FY 2007		FY 2008		FY 2009				
Accomplishments/Effort/Subtotal Cost		1.621		1.777		0.840				
RDT&E Articles Quantity		0		0		0				
Project Management										
FY07: Contracts support for DT-IID Phase B CLIN Financial/Production Management										
FY08: Production / Financial management in support of Testing of Increment 1										
FY09: Financial management / Contractor Support										
ALL: TDA Program Management										
C. OTHER PROGRAM FUNDING SUMMARY:										
To Total										
Line Item No. and Name		FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Cost
OPN LI 4248 Airborne MCM		11.192	20.800	3.558	20.397	29.794	29.951	6.300		
OPN LI 1600 LCS Mission Modules		78.741	0.000	131.241	234.673	242.184	252.298	227.441		
D. ACQUISITION STRATEGY:										
The first LRIP lot of two units was awarded as a new sole-source contract to the SD&D contractor in FY05. This is a Fixed-Price Incentive (FPI) contract with cost and schedule incentives. The March 2006 Program Review decision memorandum approved the ALMDS Program for LRIP 2 procurement of two units for FY07 pending successful demonstration of Engineering Change Proposal (ECP) I performance during DT-IID; DT-IID Phase B was conducted on an SH-60F helicopter and DT-IID phase C will be conducted on an MH-60S helicopter. Full Rate Production (FRP) Lot 1 will also be an FRP option to LRIP I contract. FRP Lot 2 will be a new competitively awarded contract with options for the subsequent three years.										

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EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS										DATE		
										February 2008		
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME					PROJECT NUMBER AND NAME					
RD TEN/BA 5		0604373N/AIRBORNE MCM					2047/ALMDS					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY 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
Hardware/Software Development	WX	NSWC PC	0.661	0.000		0.000		0.000		0.000	0.661	0.000
Hardware/Software Development	RX	NSWC PC (Prime Contractor)	24.261	0.000		1.555	DEC-07	0.000		0.000	25.816	0.000
Hardware/Software Development	RX	Metron	0.625	0.000		0.000		0.000		0.000	0.625	0.000
Hardware/Software Development	RX	SAIC	0.200	0.000		0.000		0.000		0.000	0.200	0.000
Engineering Services	WX	NSWC PC	10.797	0.597	OCT-06	0.867	DEC-07	0.596	NOV-08	CONT	CONT	0.000
Engineering Services	WX	NSWC PC (Prime Contractor)	13.147	2.948	OCT-06	0.000		0.000		0.000	16.095	0.000
Engineering Services	VAR	Various	8.217	1.538	OCT-06	1.800	DEC-07	1.236	NOV-08	CONT	CONT	0.000
Engineering Services	RX	Various	3.322	0.600	OCT-06	0.000		0.000		CONT	CONT	0.000
Engineering Services	RX	Metron/Arete	0.700	0.000		0.000		0.844	NOV-08	0.000	1.544	0.000
Subtotal Product Development			61.930	5.683		4.222		2.676		CONT	CONT	0.000
Remarks:												
ILS Functions	WX	NSWC PC	1.818	0.122	OCT-06	0.092	NOV-07	0.092	NOV-08	CONT	CONT	0.000
ILS Functions	WX	NSWC PC (Prime Contractor)	5.725	0.000		0.000		0.000		CONT	CONT	0.000
ILS Functions	VAR	Various/NRL Stennins	1.062	0.000		0.000		0.000		0.000	1.062	0.000
ILS Functions	WX	NSWC PC	0.300	0.000		0.000		0.000		0.000	0.300	0.000
Subtotal Support Costs			8.905	0.122		0.092		0.092		CONT	CONT	0.000
Remarks:												
Testing and Evaluation	RX	NSWC PC (Prime Contractor)	9.672	1.440	NOV-06	2.150	NOV-07	0.350	NOV-08	CONT	CONT	0.000
Testing and Evaluation	WX	NSWC PC	11.469	2.413	OCT-06	3.450	OCT-07	2.500	NOV-08	CONT	CONT	0.000
Testing and Evaluation	VAR	Various	0.392	0.000		0.000		0.000		0.000	0.392	0.000
Testing and Evaluation	WX	Metron	0.000	0.000		0.828	OCT-07	0.000		0.000	0.828	0.000
Subtotal Test and Evaluation			21.533	3.853		6.428		2.850		CONT	CONT	0.000
Remarks:												
Travel	PD	NAVSEA	0.285	0.000		0.000		0.000		0.000	0.285	0.000
Management Support	VAR	Various	1.943	0.000		0.050	OCT-07	0.050	OCT-08	CONT	CONT	0.000
Management Support	WX	NSWC PC	0.579	0.980	NOV-06	0.927	NOV-07	0.100	NOV-08	CONT	CONT	0.000
Management Support	WX	NSWC PC	1.533	0.641	OCT-06	0.800	NOV-07	0.690	NOV-08	CONT	CONT	0.000
Subtotal Management Services			4.340	1.621		1.777		0.840		CONT	CONT	0.000
Remarks:												
Total Cost			96.708	11.279		12.519		6.458		CONT	CONT	0.000

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EXHIBIT R-4, SCHEDULE PROFILE

DATE

February 2008

APPROPRIATION/BUDGET ACTIVITY

RD TEN/BA 5

PROGRAM ELEMENT NUMBER AND NAME

0604373N/AIRBORNE MCM

PROJECT NUMBER AND NAME

2047/ALMDS

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
Acquisition Milestones											FRPDR				△													
Fabrication		LRIP Units				PCA																						
System Development				△																								Spiral 1 VSW
Production Awards											FRP Award				△													
Test & Evaluation Milestones																												
Contractor Test											DT IIE																	
Development Test																												
Operational Test											OT-IIA																	
Production Milestones																												
LRIP FY 05																												
FRP FY 10																												
N85 Deliveries																												

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EXHIBIT R-4a, SCHEDULE DETAIL						DATE February 2008		
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM			PROJECT NUMBER AND NAME 2047/ALMDS			
Schedule Profile		FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
CT/DT IID		3Q-4Q	1Q-4Q					
LRIP UNITS								
Physical Configuration Audit (PCA)			1Q					
Spiral 1 VSW Development								1Q-4Q
Full Rate Production (FRP) Decision					1Q			
IOC					1Q			
LRIP 1 Units Deliveries (02)		1Q-2Q						
LRIP 2 Units Deliveries (03)				3Q-4Q				
Full Rate Production (FRP) Start (FRP 1)					1Q			
Full Rate Production (FRP) Start (FRP 2)						1Q		
Full Rate Production Delivery Start (FRP 1)						3Q-4Q		
Full Rate Production Delivery Start (FRP 2)							3Q-4Q	
DT-IIE				1Q-2Q				
OT-IIA OPERATIONAL TESTING (OPEVAL)				3Q				
DT-IIF							1Q-2Q	
OT-IIB OPERATIONAL TESTING (OPEVAL)							3Q-4Q	

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APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM				PROJECT NUMBER AND NAME 2427/OASIS		
COST (In Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	
Project Cost	11.740	7.637	7.060	6.471	3.087	4.719	4.814	
RDT&E Articles Qty	0	0	0	0	0	0	0	
A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:								
<p>The OASIS system is a towed Minesweeping System to be deployed from specially configured MH-60S helicopters. The system provides a rapid response sweeping capability against bottom and moored, buried, acoustic and magnetic, or combination acoustic/magnetic influence mines in support of mine clearance operations where mine hunting is ineffective. The system consists of a towed body, tow and sweep cable systems, power inverter, power distribution unit and storage/shipping containers. System interfaces with the MH-60S helicopter via the carriage, stream, tow and recovery system and the common console. The program is currently in the SD&D phase where three engineering development models (EDMs) are being developed for test and evaluation. The program recently added the Organic Cable Reeling Assembly (ORCA), a maintenance tool for cables used by OASIS and other systems. ORCA will provide a system for loading and unloading cables on the Carriage Stream and Recovery System (CSTRS) without the requirement for an MH60 helicopter. Areas of interest include but are not limited to the following: A) Real-time Mission Planning; B) Threat Emulation Jamming; C) Improved Power Inverter; D) Light weight winch drive-train; and E) Improved magnetic performance.</p>								

CLASSIFICATION:		UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION			DATE February 2008
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5	PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM	PROJECT NUMBER AND NAME 2427/OASIS	
B. ACCOMPLISHMENTS/PLANNED PROGRAM:			
	FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost	0.954	1.541	0.000
RDT&E Articles Quantity	0	0	0
Product Development			
FY07: Continue development of ORCA, Award development contract. Complete development of and retrofit components as needed based upon on-going testing lessons learned.			
FY08: Complete development of ORCA. Provided development as necessary for MH-53 OA and MH-60 DT			
	FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost	5.020	3.246	1.991
RDT&E Articles Quantity	0	0	0
FY07: Engineering support for development of re-designed Acoustic Brake/Sweep Cable/ Tow Cable/ Fairings/PDU and electrical systems. Analysis of Tow Cable Twisting impacts and mitigation. Analysis of 704A issues with OASIS testing. Engineering and ILS support for ORCA contract. Office of Naval Research program support. Engineering and ILS support for Alternative Platform Testing, MH-53 OA, and preparation for MH-60 testing.			
FY08: Engineering and ILS support for ORCA contract. Office of Naval Research program support. Engineering and ILS support for MH-60 contractor testing. Support for development of OASIS Maintenance Test Sets.			

CLASSIFICATION:	UNCLASSIFIED
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EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)	DATE February 2008
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APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5	PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM	PROJECT NUMBER AND NAME 2427/OASIS
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FY09:
Support OASIS program enhancements to improve reliability, navigation, performance, and shock resistance.
Support ORCA requirements and validation.

	FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost	5.330	2.580	4.522
RDT&E Articles Quantity	0	0	0

FY07: Conduct MH-53 Alternative Platform testing. Prepare for MH-60 testing.
FY08: Conduct MH-60 Contractor Testing.

FY09: Conduct DTRR / DT. Conduct MH-60 Contractor Testing

	FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost	0.436	0.270	0.547
RDT&E Articles Quantity	0	0	0

Monitor contractor progress with regard to schedule, cost, and technical status.
Monitor contractor CDRL and other deliverables.

C. OTHER PROGRAM FUNDING SUMMARY:

To Total

Line Item No. and Name	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Cost
424800 OPN (OASIS)	0.000	0.000	4.809	8.882	15.742				
424800 OPN (ORCA)	0.000	2.102	2.800	1.200	0.000				
160000 OPN LCS Mission Modules	78.741	0.000	131.241	234.673	242.184	252.298	227.441		

D. ACQUISITION STRATEGY:

After Milestone B review in FY02, a SD&D contract was awarded. In FY07, the program successfully completed MH-53 CT and Tower Testing. Plans for FY08 include MH-60 CT and MH-53 OA. LRIP procurement is scheduled for FY09 and Full Production in FY10.

CLASSIFICATION:		UNCLASSIFIED										
EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS										DATE February 2008		
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM					PROJECT NUMBER AND NAME 2427/OASIS					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY 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
Hardware/Software Development	C/CPFF	EDO Corp.	1.722	0.000		0.000		0.000		0.000	1.722	0.000
Hardware/Software Development	C/CPIF	EDO Corp.	11.367	0.954	NOV-06	0.300	NOV-07	0.000		CONT	CONT	0.000
Hardware/Software Development	SS/CPFF	Aeptec Microsystems Inc.	5.898	0.000		0.000		0.000		CONT	CONT	0.000
Hardware/Software Development	WX	NSWC PC	0.000	0.000		1.241	OCT-07	0.000		0.000	1.241	0.000
Subtotal Product Development			18.987	0.954		1.541		0.000		CONT	CONT	0.000
Remarks:												
Engineering Services	WX	NUWC Keyport	0.659	0.000		0.000		0.000		0.000	0.659	0.000
Engineering Services	C/CPIF	EDO Corp.	12.693	1.120	NOV-06	0.900	NOV-07	0.000		CONT	CONT	0.000
Engineering Services	WX	NSWC PC	11.415	1.655	NOV-06	1.606	NOV-07	0.948	NOV-08	CONT	CONT	0.000
Engineering Services	WX	NSWC Carderock MD	0.300	0.000		0.000		0.000		0.000	0.300	0.000
Engineer Services/ILS	VAR	Various	0.548	0.000		0.000		0.000		0.000	0.548	0.000
Engineering Services	PD	ONR	6.455	1.441	OCT-06	0.358	NOV-07	0.383	NOV-08	CONT	CONT	0.000
ILS Functions	C/CPIF	EDO Corp.	3.925	0.400	DEC-06	0.000		0.000		CONT	CONT	0.000
ILS Functions	WX	NSWC, PC	1.932	0.404	NOV-06	0.382	NOV-07	0.660	NOV-08	CONT	CONT	0.000
Subtotal Support Costs			37.927	5.020		3.246		1.991		CONT	CONT	0.000
Remarks:												
T&E Functions	C/CPIF	EDO Corp	6.526	1.142	JAN-07	0.310	NOV-07	0.115	NOV-08	CONT	CONT	0.000
T&E Functions	WX	NSWC PC	8.102	4.188	JAN-07	2.270	NOV-07	4.407	NOV-08	CONT	CONT	0.000
T&E Functions	VAR	Various	0.554	0.000		0.000		0.000		0.000	0.554	0.000
Subtotal Test and Evaluation			15.182	5.330		2.580		4.522		CONT	CONT	0.000
Remarks:												
Management Services	VAR	Various	4.844	0.406	OCT-06	0.235	NOV-07	0.522	OCT-08	CONT	CONT	0.000
Travel	PD	NAVSEA	0.255	0.030	OCT-06	0.035	NOV-07	0.025	OCT-08	CONT	CONT	0.000
Subtotal Management Services			5.099	0.436		0.270		0.547		CONT	CONT	0.000
Total Cost			77.195	11.740		7.637		7.060		CONT	CONT	0.000
Remarks:												

CLASSIFICATION:

UNCLASSIFIED

EXHIBIT R-4, SCHEDULE PROFILE

DATE

February 2008

APPROPRIATION/BUDGET ACTIVITY

RD TEN/BA 5

PROGRAM ELEMENT NUMBER AND NAME

0604373N/AIRBORNE MCM

PROJECT NUMBER AND NAME

2427/OASIS

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								
Acquisition Milestones								MSC LRIP																												
System Development								Post Milestone PRR													Product Enhancement Development															
Test and Evaluation																																				
Contractor Tests																																				
Developmental Tests																																				
Operational Tests																																				
Production Milestones																																				

CLASSIFICATION:		UNCLASSIFIED						
EXHIBIT R-4a, SCHEDULE DETAIL						DATE February 2008		
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM			PROJECT NUMBER AND NAME 2427/OASIS			
Schedule Profile		FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
CT/DT MH53E Testing		1Q-4Q	1Q					
MH-53 OA			2Q					
CT MH-60s Testing			3Q-4Q					
DT Testing				2Q-4Q				
OPEVAL					1Q-2Q			
Milestone C (LRIP)			4Q					
Post Milestone PRR			4Q					
LRIP Contract Award				1Q				
FRP Contract Award					3Q			
Initial Operational Capability						2Q		
Product Enhancement Development						1Q-4Q	1Q-4Q	1Q-4Q

CLASSIFICATION:		UNCLASSIFIED						
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION					DATE February 2008			
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM				PROJECT NUMBER AND NAME 2473/Airborne Mine Neutralization System		
COST (In Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	
Project Cost	18.608	24.098	20.413	7.750	7.114	5.474	6.852	
RDT&E Articles Qty	0	0	0	0	0	0	0	
A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:								
<p>AMNS will provide the MH-60S helicopter with the capability to neutralize bottom and moored mines using an expendable mine neutralization device. The AMNS is being tested on the MH-53E helicopter to prove out the neutralization effectiveness. The system will be deployed from the MH-60S helicopter as part of the Littoral Combat Ship (LCS) Mine Warfare Mission Module. This capability will be of critical importance in littoral zones, confined straits, choke points, and the Amphibious Objective Area (AOA). Development of an Untethered Launch and Handling System (LHS) for AMNS will occur in FY11-FY13.</p> <p>The AN/AWS-2 Rapid Airborne Mine Clearance System (RAMICS) MIW program began Concept & Technology Development phase in FY00. RAMICS will satisfy the U.S. Navy's need for a rapid mine clearance capability required to neutralize near-surface and surface (floating) moored sea mines. RAMICS will use geo-location data provided by other mine hunting and mine reconnaissance systems, use a laser system to reacquire targets and to direct the fire of supercavitating projectiles that will render the mines inoperable. RAMICS includes the following major subsystems:</p> <ul style="list-style-type: none"> (a) Gun Subsystem (including gun and turret) (b) Munition Subsystem - MK258 Mod 1 Armor Piercing, Fin Stabilized, Discarding Sabot-Tracer (APFSDS-T) (c) Targeting Sensor Subsystem. (d) Fire Control Subsystem. <p>The system will be deployed from the MH-60S helicopter and will provide organic airborne mine defense as part of Littoral Combat Ship (LCS) Mine Warfare Mission Module. This capability will be of critical importance in littoral zones, confined straits, choke points, and the Amphibious Objective Area (AOA).</p>								

CLASSIFICATION:		UNCLASSIFIED		
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION				DATE February 2008
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5	PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM	PROJECT NUMBER AND NAME 2473/Airborne Mine Neutralization System		
B. ACCOMPLISHMENTS/PLANNED PROGRAM:				
		FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost		3.174	2.643	2.307
RDT&E Articles Quantity		0	0	0
AMNS				
Develop logistics products, including training materials and interactive technical manual. Provide engineering support, including review for product development and integration.				
		FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost		8.006	6.376	3.029
RDT&E Articles Quantity		0	0	0
AMNS				
FY07: Conducted MH-60S contractor test.				
FY08: Initiate MH-60S TECHEVAL.				
FY09: Complete MH-60S TECHEVAL. Conduct MH-60S OPEVAL.				
		FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost		0.411	0.333	0.164
RDT&E Articles Quantity		0	0	0
AMNS				
Provide program management support and travel for AMNS.				

CLASSIFICATION:		UNCLASSIFIED		
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)				DATE February 2008
APPROPRIATION/BUDGET ACTIVITY RDTEN/BA 5	PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM	PROJECT NUMBER AND NAME 2473/Airborne Mine Neutralization System		
		FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost		0.649	2.100	3.753
RDT&E Articles Quantity		0	0	0
RAMICS				
FY07: Continue RAMICS design, develop, and fabrication of Engineering Development Models (EDMs). Conduct contractor testing (CT).				
FY08: Conduct Contractor Testing (CT), WSIT Ground Testing, EDM Delivery, captive carriage and jettison testing on the MH-60S helicopter,				
FY09: Conduct Alternate Platform Testing (DT-IIA), WSIT CT, and MS C.				
		FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost		4.055	4.738	4.305
RDT&E Articles Quantity		0	0	0
RAMICS				
Project management, system engineering, ILS and Software Development.				
FY07: To support Project management, system engineering, system integration assemble/checkout, ILS, and Software Development. Gun System performance analysis, safety and system integration.				
FY08: To support Project management, system engineering, ILS and Software Development.				
FY09: To support Project management, system engineering, ILS and Software Development.				

CLASSIFICATION:		UNCLASSIFIED		
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)				DATE February 2008
APPROPRIATION/BUDGET ACTIVITY RDTEN/BA 5	PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM	PROJECT NUMBER AND NAME 2473/Airborne Mine Neutralization System		
		FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost		1.983	5.481	5.575
RDT&E Articles Quantity		0	0	0
RAMICS				
Support Contractor Testing (CT) WSIT ground Test, EDM Delivery.				
FY07: Support Contractor Testing (CT).				
FY08: Support Contractor Testing (CT), WSIT ground Test, EDM delivery, captive carriage and jettison testing on the MH-60S helicopter.				
FY09: Support Alt. Platform Testing (DTIIA), and WSIT CT.				
		FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost		0.330	2.427	1.280
RDT&E Articles Quantity		0	0	0
RAMICS				
FY07: Support all Program Management and T&E efforts.				
FY08: Support all Program Management and T&E efforts.				
FY09: Support all Program Management and T&E efforts.				

CLASSIFICATION: UNCLASSIFIED

EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION) DATE
February 2008

APPROPRIATION/BUDGET ACTIVITY PROGRAM ELEMENT NUMBER AND NAME PROJECT NUMBER AND NAME
RD TEN/BA 5 **0604373N/AIRBORNE MCM** **2473/Airborne Mine Neutralization System**

C. OTHER PROGRAM FUNDING SUMMARY:

Line Item No. and Name	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Cost
AMNS									
4248 OPN	4.481	7.946	11.277	17.000	4.000	1.000	5.300		
AMNS									
4225 WPN	3.138	6.522	5.588	4.503	4.308	4.428	4.557		
1600 LCS Mission Modules	78.741	0.000	131.241	234.673	242.184	252.298	227.441		
RAMICS									
4225 WPN	0.000	0.000	0.000	33.182	20.755	31.173	31.536		
RAMICS									
0196 PANMC	0.000	0.000	0.967	2.044	1.476	3.013	3.040		
4221 LCS Mission Modules			2.786	24.522	47.353	45.261	10.701		

D. ACQUISITION STRATEGY:

AMNS: In FY08 following a successful alternate platform test, contractor test on an MH-60S, and MS-C, the Navy will exercise two (2) LRIP options in the current AMNS SD&D contract with Raytheon. Following a successful DT and OT on an MH-60S, FRP is planned for FY10. The Navy will award a sole source contract to BAE for Common Neutralizer procurements, to begin in FY08.

RAMICS: Achieved MS B in July 2002 and awarded SD&D contract in August 2002 based on a full and open competition. Following MS C , an FY10 LRIP award is planned for two (2) systems for fleet use. Full Rate Production (FRP) is scheduled to start in FY11.

CLASSIFICATION:		UNCLASSIFIED										
EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS										DATE		
										February 2008		
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME					PROJECT NUMBER AND NAME					
RD TEN/BA 5		0604373N/AIRBORNE MCM					2473/Airborne Mine Neutralization System					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY 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
Hardware/Software Development	C/845	Lockheed Syracuse, NY	3.331	0.000		0.000		0.000		0.000	3.331	0.000
Hardware/Software Development	VAR	Various	3.359	0.000		0.000		0.000		0.000	3.359	0.000
Hardware/Software Development	WX	NSWC PC	2.275	0.000		0.000		0.000		0.000	2.275	0.000
Hardware/Software Development	C/CPIF	Raytheon, Portsmouth RI	16.354	0.000		0.000		0.000		0.000	16.354	0.000
Untethered Hardware Development	C/CPIF	TBD	0.000	0.000		0.000		0.000		4.480	4.480	0.000
Untethered Hardware Development	WX	NSWC PC	0.000	0.000		0.000		0.000		0.600	0.600	0.000
Subtotal Product Development			25.319	0.000		0.000		0.000		5.080	30.399	0.000
Remarks: AMNS ONLY												
Engineering Services	VAR	Various	3.300	0.000		0.000		0.000		0.000	3.300	0.000
Engineering Services	WX	NSWC	17.099	1.497	OCT-06	0.871	OCT-07	1.083	NOV-08	0.000	20.550	0.000
Engineering Services	C/CPIF	Raytheon, Portsmouth RI	6.279	1.677	OCT-06	0.939	OCT-07	0.807	NOV-08	0.000	9.702	0.000
Untethered Engineering Services	C/CPIF	TBD	0.000	0.000		0.000		0.000		0.657	0.657	0.000
Untethered Engineering Services	WX	NSWC PC	0.000	0.000		0.000		0.000		1.162	1.162	0.000
ILS Functions	WX	NSWC	3.924	0.000		0.582	OCT-07	0.291	NOV-08	0.000	4.797	0.000
ILS Functions	SS/BOA	Lockheed Syracuse NY	0.227	0.000		0.000		0.000		0.000	0.227	0.000
ILS Functions	C/CPIF	Raytheon, Portsmouth RI	1.735	0.000		0.251	OCT-07	0.126	NOV-08	0.000	2.112	0.000
Untethered ILS Functions	C/CPIF	TBD	0.000	0.000		0.000		0.000		0.200	0.200	0.000
Untethered ILS Functions	WX	NSWC PC	0.000	0.000		0.000	OCT-07	0.000		0.602	0.602	0.000
Subtotal Support Costs			32.564	3.174		2.643		2.307		2.621	43.309	0.000
Remarks: AMNS ONLY												
Development Test & Evaluation	VAR	Various	0.300	0.000		0.000		0.000		0.000	0.300	0.000
Development Test & Evaluation	WX	NSWC	11.843	3.904	OCT-06	5.228	DEC-07	0.820	NOV-08	0.000	21.795	0.000
Development Test & Evaluation	SS/BOA	Lockheed Syracuse NY	1.254	0.000		0.000		0.000		0.000	1.254	0.000
Development Test & Evaluation	C/CPIF	Raytheon Portsmouth RI	4.722	1.037	OCT-06	1.148	DEC-07	0.000		0.000	6.907	0.000
Operational Test & Evaluation	WX	COTF Norfolk VA	1.388	0.000		0.000		2.209	NOV-08	0.000	3.597	0.000

CLASSIFICATION:		UNCLASSIFIED										
EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS									DATE			
									February 2008			
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME					PROJECT NUMBER AND NAME					
RD TEN/BA 5		0604373N/AIRBORNE MCM					2473/Airborne Mine Neutralization System					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY Cost (\$000)	FY 2007 Cost (\$000)	FY 2007 Award Date	FY 2008 Cost (\$000)	FY 2008 Award Date	FY 2009 Cost (\$000)	FY 2009 Award Date	Cost to Complete (\$000)	Total Cost (\$000)	Target Value of Contract
Operational Test & Evaluation	SS/BOA	Lockheed Syracuse NY	0.767	0.000		0.000		0.000		0.000	0.767	0.000
Test Assets	C/CPIF	Raytheon Portsmouth RI	0.000	3.065	OCT-06	0.000		0.000		0.000	3.065	0.000
Untethered Test and Evaluation	C/CPIF	TBD	0.000	0.000		0.000		0.000		0.400	0.400	0.000
Untethered Test and Evaluation	WX	NSWC PC	0.000	0.000		0.000		0.000		1.800	1.800	0.000
Subtotal Test and Evaluation			20.274	8.006		6.376		3.029		2.200	39.885	0.000
Remarks: AMNS ONLY												
Program Management Support	VAR	Various	2.114	0.371	OCT-06	0.293	OCT-07	0.124	NOV-08	0.000	2.902	0.000
Travel	PD	NAVSEA	0.254	0.040	OCT-06	0.040	OCT-07	0.040	NOV-08	0.000	0.374	0.000
Subtotal Management Services			2.368	0.411		0.333		0.164		0.000	3.276	0.000
Remarks: AMNS ONLY												
Hardware/Software Development	C/CPIF	Northrop Grumman, FL	29.980	0.649	OCT-06	1.500	OCT-07	2.500	OCT-08	2.000	36.629	0.000
Hardware/Software Development	WX	NSWC PC	1.634	0.000		0.100	OCT-07	1.200	OCT-08	2.164	5.098	0.000
Hardware/Software Development	RCP	Crane - Crane IN	2.095	0.000		0.500	OCT-07	0.053	OCT-08	0.050	2.698	0.000
Subtotal PRODUCT DEVELOPMENT RAMICS			33.709	0.649		2.100		3.753		4.214	44.425	0.000
Remarks: RAMICS ONLY												
Engineering Services	C/CPIF	Northrop Grumman FL	9.264	3.005	OCT-06	1.288	NOV-07	2.000	OCT-08	2.000	17.557	0.000
Engineering Services	WX	NSWC PC	7.734	0.700	OCT-06	1.550	NOV-07	1.435	OCT-08	2.000	13.419	0.000
Engineering Services	Various	Crane - Crane IN	2.432	0.300	OCT-06	0.375	NOV-07	0.080	OCT-08	0.100	3.287	0.000
Engineering Services	WX	Various	2.407	0.050	OCT-06	0.050	NOV-07	0.100	OCT-08	0.100	2.707	0.000
ILS Functions	C/CPIF	Northrop Grumman FL	6.020	0.000		0.475	NOV-07	0.340	OCT-08	0.755	7.590	0.000
ILS Functions	WX	NSWC PC	1.335	0.000		0.200	OCT-07	0.300	OCT-08	1.500	3.335	0.000

CLASSIFICATION:		UNCLASSIFIED										
EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS										DATE February 2008		
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM					PROJECT NUMBER AND NAME 2473/Airborne Mine Neutralization System					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY 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
ILS Functions	Various	Various	1.780	0.000		0.800	NOV-07	0.050	OCT-08	0.100	2.730	0.000
Subtotal SUPPORT COSTS RAMICS			30.972	4.055		4.738		4.305		6.555	50.625	0.000
Remarks: RAMICS ONLY												
Test & Evaluation	C/CPIF	Northrop Grumman, FL	6.774	0.416	OCT-06	0.725	OCT-07	2.000	OCT-08	1.000	10.915	0.000
Test & Evaluation	WX	NSWC PC	4.314	0.400	OCT-06	0.200	NOV-07	0.975	OCT-08	1.250	7.139	0.000
Test & Evaluation	WX	Crane - Crane IN	0.857	0.167	OCT-06	0.875	NOV-07	0.100	OCT-08	1.150	3.149	0.000
Test & Evaluation	Various	Various	6.157	1.000	OCT-06	0.681	NOV-07	2.500	OCT-08	1.000	11.338	0.000
Test & Evaluation	FFP	QinetiQ, UK	0.000	0.000		3.000	OCT-07	0.000			3.000	0.000
Subtotal TEST AND EVALUATION RAMICS			18.102	1.983		5.481		5.575		4.400	35.541	0.000
Remarks: RAMICS ONLY												
Management Support	Various	Various	2.746	0.300	OCT-06	2.387	OCT-07	1.250	OCT-08	2.000	8.683	0.000
Management Support	PD	Travel	0.210	0.030	OCT-06	0.040	OCT-07	0.030	OCT-08	0.120	0.430	0.000
Subtotal MANAGEMENT SERVICES RAMICS			2.956	0.330		2.427		1.280		2.120	9.113	0.000
Remarks: RAMICS ONLY												
Total Cost			166.264	18.608		24.098		20.413		27.190	256.573	0.000

CLASSIFICATION: UNCLASSIFIED

EXHIBIT R-4, SCHEDULE PROFILE

DATE
February 2008

APPROPRIATION/BUDGET ACTIVITY
RD TEN/BA 5

PROGRAM ELEMENT NUMBER AND NAME
0604373N/AIRBORNE MCM

PROJECT NUMBER AND NAME
2473A/RAMICS

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				
RAMICS																																
Acquisition Milestones												MS C △							FRPD △	IOC ☆												
Program Phases	System Development and Demonstration																															
Significant Events																																
EDM Delivery	EDM 1 ▲					EDM 2 ▲																										
Test & Evaluation Milestones																																
Development Test																																
Operational Test																																
Production Milestones																																
LRIP FY09																																
FRP FY 10																																
Deliveries (N85)																																

CLASSIFICATION:		UNCLASSIFIED						
EXHIBIT R-4a, SCHEDULE DETAIL						DATE February 2008		
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM			PROJECT NUMBER AND NAME 2473/Airborne Mine Neutralization System			
Schedule Profile		FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
AMNS								
SD&D Phase (MH-60S)		1Q-4Q	1Q-4Q	1Q-3Q				
EDM Deliveries (MH-60S)								
Alternate Platform Testing								
Contractor Testing (MH-60S)		1Q-3Q						
Milestone C (MS C)			2Q					
LRIP (MH-60S) Start			2Q					
TECHEVAL (MS-60s)			3Q-4Q	1Q				
OPEVAL (MH-60s) Start				2Q-3Q				
FRPDR (MH-60s)					1Q			
FRP (MH-60s) Start					1Q			
RAMICS								
System Development and Demonstration (SD&D) Phase		1Q-4Q	1Q-4Q	1Q-3Q				
Engineering Development Model (EDM) (2 units)		1Q	3Q					
Technical Evaluation (TECHEVAL) MH-60				4Q	1Q-4Q			
Milestone (MS) C				4Q				
Start Low Rate Initial Production (LRIP)					1Q			
Captive Carriage / Jettison Testing			1Q-3Q					
Operational Evaluation (OPEVAL)						1Q		
Full Rate Production Decision (FRPD)						2Q		
LRIP Procurement					1Q-4Q	1Q		
Initial Operational Capability (IOC)						3Q		
Full Rate Production Start						2Q		
WSIT Ground Test (MH-60s)			3Q-4Q					
DT-IIA (Alternate Platform)				2Q				
WSIT CT (MH-60s)			4Q	1Q-3Q				

CLASSIFICATION:		UNCLASSIFIED						
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION					DATE February 2008			
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM				PROJECT NUMBER AND NAME 4026/Strat Into Medal, Tactics & Trng Organic Force		
COST (In Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	
Project Cost	2.230	3.712	2.787	1.970	1.925	1.966	1.999	
RDT&E Articles Qty	0	0	0	0	0	0	0	
A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:								
<p>The C4I, Tactics, Mission Planning, and Post-Mission Analysis (CTMP) program began in FY97 as an initiative to provide near-real-time data linking of mine sensor data between the MH-53E aircraft and ship- and/or shore-based command centers. Additionally, the program began to develop MEDAL modules for each "Next Generation" system; and plans to develop "Next Generation" tactics; provide threat data and system requirements and capabilities to the MEDAL software development effort; and develop a common post-mission analysis tool for "Next Generation" systems.</p>								

CLASSIFICATION:		UNCLASSIFIED							
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION								DATE February 2008	
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM				PROJECT NUMBER AND NAME 4026/Strat Into Medal, Tactics & Trng Organic Force			
B. ACCOMPLISHMENTS/PLANNED PROGRAM:									
		FY 2007		FY 2008		FY 2009			
Accomplishments/Effort/Subtotal Cost		0.546		1.175		0.762			
RDT&E Articles Quantity		0		0		0			
Hardware/Software Development: OPTPLAN for Q-20 and ALMDS Code core OPMA module Code system-specific OPMA Modules									
		FY 2007		FY 2008		FY 2009			
Accomplishments/Effort/Subtotal Cost		1.493		2.374		1.862			
RDT&E Articles Quantity		0		0		0			
Engineering Services/ILS: MIW Commander's Handbook OAMCM Tactics Continuum materials Reachback Support for tactical employment of OAMCM systems Incorporate tactics lessons learned into TACMEMOs ILS planning for OPMA									
		FY 2007		FY 2008		FY 2009			
Accomplishments/Effort/Subtotal Cost		0.040		0.000		0.000			
RDT&E Articles Quantity		0		0		0			
T&E Support for MEDAL/PMA integration during WSIT CT and DT									
		FY 2007		FY 2008		FY 2009			
Accomplishments/Effort/Subtotal Cost		0.151		0.163		0.163			
RDT&E Articles Quantity		0		0		0			
Field Activity program management and travel MEDAL contractor management support to CTMP									
C. OTHER PROGRAM FUNDING SUMMARY:									
To Total									
Line Item No. and Name	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Cost
24800, S0090, OPMA	0.000	0.256	0.256	0.256					

CLASSIFICATION:		UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)			DATE February 2008
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5	PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM	PROJECT NUMBER AND NAME 4026/Strat Into Medal, Tactics & Trng Organic Force	
<p>D. ACQUISITION STRATEGY:</p> <p>The Organic Post-Mission Analysis (OPMA) capability for the OAMCM systems will be developed by NSWC PC, Panama City, FL. The OPMA project will leverage existing system-specific developmental PMA software, maximize commonality, and host the software on a common shipboard computer. OPN funding will be used to procure ruggedized portable OPMA computers for ship of opportunity deployments, land basing, and training. Development of OAMCM-system-specific MEDAL modules will be performed by SAIC, McLean, VA. This effort will include post-test updates for the system-specific MEDAL modules to allow transition to a Fleet release. NSWC-PC will contract for this work on a time and materials basis. The tactics development, tactics training, and tactics algorithms/database efforts are performed by NSWC-PC. These efforts will provide reach back support as the OAMCM systems begin to be fielded; will develop modifications to environmental databases necessary to support OAMCM mission planning; will update the MIW Tactics Continuum to address OAMCM; and will update the gear and mine database for threats addressed by the OAMCM systems.</p>			

CLASSIFICATION:		UNCLASSIFIED										
EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS										DATE February 2008		
APPROPRIATION/BUDGET ACTIVITY RDTEN/BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM					PROJECT NUMBER AND NAME 4026/Strat Into Medal, Tactics & Trng Organic Force					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY 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
Hardware/Software Development	RX	SAIC	0.487	0.055	OCT-06	0.714	NOV-07	0.250	NOV-08	CONT	CONT	0.000
Hardware/Software Development	WX	NSWC PC	1.042	0.491	OCT-06	0.461	OCT-07	0.512	OCT-08	CONT	CONT	0.000
Subtotal Product Development			1.529	0.546		1.175		0.762		CONT	CONT	0.000
Remarks:												
Engineering Services	WX	NAVO	0.000	0.015	OCT-06	0.015	OCT-07	0.015	OCT-08	CONT	CONT	0.000
Engineering Services	VAR	Various	0.004	0.399	OCT-06	0.137	OCT-07	0.172	OCT-08	CONT	CONT	0.000
Engineering Services	WX	NSWC PC	0.817	0.437	OCT-06	1.004	OCT-07	0.834	OCT-08	CONT	CONT	0.000
Engineering Services	RX	TBD	0.000	0.240	NOV-06	0.339	NOV-07	0.369	NOV-08	CONT	CONT	0.000
Engineering Services	RX	SAIC	0.000	0.181	NOV-06	0.409	NOV-07	0.150	NOV-08	CONT	CONT	0.000
ILS			0.201	0.221	OCT-06	0.470	OCT-07	0.322	OCT-08	CONT	CONT	0.000
Subtotal Support Costs			1.022	1.493		2.374		1.862		CONT	CONT	0.000
Remarks:												
Test and Evaluation	WX	NSWC PC	0.000	0.040	OCT-06	0.000		0.000		CONT	CONT	0.000
Subtotal Test and Evaluation			0.000	0.040		0.000		0.000		CONT	CONT	0.000
Remarks:												
Management Support	WX	NSWC PC	0.416	0.131	OCT-06	0.140	OCT-07	0.140	OCT-08	CONT	CONT	0.000
Management Support	RX	SAIC	0.040	0.020	NOV-06	0.023	NOV-07	0.023	NOV-08	CONT	CONT	0.000
Subtotal Management Services			0.456	0.151		0.163		0.163		CONT	CONT	0.000
Remarks:												
Total Cost			3.007	2.230		3.712		2.787		CONT	CONT	0.000

CLASSIFICATION:

UNCLASSIFIED

EXHIBIT R-4, SCHEDULE PROFILE

DATE

February 2008

APPROPRIATION/BUDGET ACTIVITY

PROGRAM ELEMENT NUMBER AND NAME

PROJECT NUMBER AND NAME

RD TEN/BA 5

0604373N/AIRBORNE MCM

4026/Strat Into Medal, Tactics & Trng Organic Force

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				
MEDAL	Training development AMNS, OASIS, Q-20				Training development ALMDS				Training development RAMICS																							
Organic PMA	OAM				OASIS S/W rqmts.				OASIS S/W				Ongoing development for OAMCM P3I; software support																			
	AN/AQS				ALMDS S/W rqmts.				ALMDS S/W				RAMICS S/W																			
Tactics & Databases																																
Incorporate DT/OT Lessons Learned into TACMEMO																																
Reachback support OAMCM																																
Establish Gear and Mine Database for OAMCM																																
Update Gear and Mine Database for OAMCM P3I																																
MIW Tactics Continuum Update																																

CLASSIFICATION:		UNCLASSIFIED						
EXHIBIT R-4a, SCHEDULE DETAIL						DATE February 2008		
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM			PROJECT NUMBER AND NAME 4026/Strat Into Medal, Tactics & Trng Organic Force			
Schedule Profile		FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
OPMA; OAMCM software development (core)		1Q						
OPMA; AN/AQS-20A software		1Q-2Q						
OPMA; OASIS Software Requirements			3Q					
OPMA; ALMDS Software Requirements			1Q					
Reachback Support		1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q		
OPMA; AMNS Software		2Q-4Q	1Q-2Q					
OPMA; RAMICS Software				1Q-4Q				
MEDAL; training development AMNS, OASIS, Q-20		1Q-4Q						
MEDAL training development, ALMDS			1Q-4Q					
MEDAL training development, RAMICS				1Q-4Q				
MIW Tactics Continuum update		4Q	4Q					
Incorporate DT/OT lessons learned into TACMEMO; Q-20			1Q-4Q					
Incorporate DT/OT lessons learned into TACMEMO; ALMDS				1Q-4Q				
Incorporate DT/OT lessons learned into TACMEMO; AMNS					1Q-4Q			
Incorporate DT/OT lessons learned into TACMEMO; RAMICS						1Q-4Q		
Incorporate DT/OT lessons learned into TACMEMO; OASIS				3Q-4Q	1Q-2Q			
Establish gear and Mine database for OAMCM		4Q	1Q-4Q	1Q-4Q	1Q-4Q			
Update gear and Mine database for OAMCM P3I						1Q-4Q	1Q-4Q	1Q-4Q
Organic PMS; ongoing development for P3I; software support			1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q
OPMA ALMDS Software Module		4Q	1Q-4Q	1Q				
OPMA OASIS Software Module			3Q-4Q	1Q-2Q				

CLASSIFICATION:		UNCLASSIFIED					
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION					DATE February 2008		
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM			PROJECT NUMBER AND NAME 9179/Surf Navy Integ Undersea Tactical Tech		
COST (In Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	0.000	0.554	0.669	0.971	0.969	0.989	0.986
RDT&E Articles Qty	0	0	0	0	0	0	0
A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:							
<p>Surface Navy Integrated Undersea Tactical Technology (SNIUTT) will be used to develop an AN/SQQ-32, AN/AQS-14, AN/AQS-24 and AN/AQS-20A sensor training module for a LAN-based Surface Network Embedded Analysis and Tactical Trainer (SNEATT).</p>							

CLASSIFICATION:		UNCLASSIFIED																											
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION								DATE February 2008																					
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM				PROJECT NUMBER AND NAME 9179/Surf Navy Integ Undersea Tactical Tech																							
B. ACCOMPLISHMENTS/PLANNED PROGRAM:																													
<table border="1"> <thead> <tr> <th></th> <th>FY 2007</th> <th>FY 2008</th> <th>FY 2009</th> </tr> </thead> <tbody> <tr> <td>Accomplishments/Effort/Subtotal Cost</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.464</td> <td style="text-align: right;">0.555</td> </tr> <tr> <td>RDT&E Articles Quantity</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>											FY 2007	FY 2008	FY 2009	Accomplishments/Effort/Subtotal Cost	0.000	0.464	0.555	RDT&E Articles Quantity	0	0	0								
	FY 2007	FY 2008	FY 2009																										
Accomplishments/Effort/Subtotal Cost	0.000	0.464	0.555																										
RDT&E Articles Quantity	0	0	0																										
Development of an AN/SQQ-32, AN/AQS-14, AN/AQS-24 and AN/AQS-20A sensor training module for a LAN-based Surface Network Embedded Analysis and Tactical Trainer (SNEATT). Also development of a Scenario Generator software system for REMUS for mine like contact recognition training.																													
<table border="1"> <thead> <tr> <th></th> <th>FY 2007</th> <th>FY 2008</th> <th>FY 2009</th> </tr> </thead> <tbody> <tr> <td>Accomplishments/Effort/Subtotal Cost</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.090</td> <td style="text-align: right;">0.114</td> </tr> <tr> <td>RDT&E Articles Quantity</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>											FY 2007	FY 2008	FY 2009	Accomplishments/Effort/Subtotal Cost	0.000	0.090	0.114	RDT&E Articles Quantity	0	0	0								
	FY 2007	FY 2008	FY 2009																										
Accomplishments/Effort/Subtotal Cost	0.000	0.090	0.114																										
RDT&E Articles Quantity	0	0	0																										
SNIUTT In-Service Engineering Agent (ISEA) and development support is provided by Naval Surface Warfare Center, Panama City (NSWC PC).																													
C. OTHER PROGRAM FUNDING SUMMARY:																													
To Total																													
<table border="1"> <thead> <tr> <th>Line Item No. and Name</th> <th>FY 2007</th> <th>FY 2008</th> <th>FY 2009</th> <th>FY 2010</th> <th>FY 2011</th> <th>FY 2012</th> <th>FY 2013</th> <th>To Complete</th> <th>Total Cost</th> </tr> </thead> <tbody> <tr> <td>4248, S0090, SNUITT</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.120</td> <td style="text-align: right;">0.120</td> <td style="text-align: right;">0.120</td> <td style="text-align: right;">0.120</td> <td style="text-align: right;">0.300</td> <td style="text-align: right;">0.300</td> <td></td> <td></td> </tr> </tbody> </table>										Line Item No. and Name	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Cost	4248, S0090, SNUITT	0.000	0.120	0.120	0.120	0.120	0.300	0.300		
Line Item No. and Name	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Cost																				
4248, S0090, SNUITT	0.000	0.120	0.120	0.120	0.120	0.300	0.300																						
D. ACQUISITION STRATEGY:																													
Surface Navy Integrated Undersea Tactical Technology (SNIUTT) has been used to develop an AN/SQQ-32, AN/AQS-14, AN/AQS-24 and AN/AQS-20A sensor training modules. Funds will continue to support training for these four sonar systems, as well as training for the REMUS sonar systems in the same format as previous training. The SNIUTT sensor training modules will be developed by NSWC PC, Panama City, FL, in association with Advanced Acoustic Concepts (AAC), Ronkonkoma, NY. NSWC PC will contract with AAC for this work under a Cost Plus Fixed-Fee (CPFF) scenario. Funds are being provided for development and delivery of refresher scenario based contact recognition training, and the update and modification of contact recognition training (interactive web based training and proficiency focused stand-alone training) in support of the SNIUTT program.																													

CLASSIFICATION:		UNCLASSIFIED					
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION					DATE February 2008		
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM			PROJECT NUMBER AND NAME 9999/CONG ADD		
COST (In Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	2.625	2.385	0.000	0.000	0.000	0.000	0.000
RDT&E Articles Qty	0	0	0	0	0	0	0
A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:							
<p>Congressional Plus-up - AMCM Open Architecture Technology - In support of Airborne Mine Countermeasure (AMCM) systems, this initiative will provide open systems migration of unique military standard sensors, electronics, and software system components to lower cost/higher performance commercial equivalent capabilities. This effort will develop and accelerate an Open Architecture Multi-static Technology Insertion solution for the Navy's Airborne Mine Countermeasures Program. The anticipated result is lower cost/higher performance equivalent capabilities based on open architecture software and hardware components.</p>							

CLASSIFICATION:		UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION			DATE February 2008
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 5	PROGRAM ELEMENT NUMBER AND NAME 0604373N/AIRBORNE MCM	PROJECT NUMBER AND NAME 9999/CONG ADD	
B. ACCOMPLISHMENTS/PLANNED PROGRAM:			
	FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost	2.625	2.385	0.000
RDT&E Articles Quantity	0	0	0
<p>Congressional Plus-up - AMCM Open Architecture Technology - In support of Airborne Mine Countermeasure (AMCM) systems, this initiative will provide open systems migration of unique military standard sensors, electronics, and software system components to lower cost/higher performance commercial equivalent capabilities. This effort will develop and accelerate an Open Architecture Multi-static Technology Insertion solution for the Navy's Airborne Mine Countermeasures Program. The anticipated result is lower cost/higher performance equivalent capabilities based on open architecture software and hardware components.</p>			