CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justificatio	n						DATE:									
-								Febru	uary 2006							
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOI	MENCLATURE										
RESEARCH DEVELOPMENT TEST & EVAL	UATION, NAVY /	BA-5			0604373N A	irborne Mine	e Countermeasures									
	Prior									Total						
COST (\$ in Millions)	Years Cost	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Cost to Complete	Program						
Total PE Cost	461.260	50.600	53.837	56.145	36.616	11.198	23.760	51.001	Continuing	Continuing						
Airborne Mine Hunt System / 0529	206.747	2.400	3.369	10.965	5.107	2.372	10.077	20.543	Continuing	Continuing						
ALMDS / 2047	81.555	7.288	11.365	11.620	6.485	1.638	11.718	25.740	Continuing	Continuing						
OASIS / 2427/2883	53.452	10.898	13.775	12.094	4.081	0.000	0.000	2.776	Continuing	Continuing						
AMNS / 2473	115.814	27.334	23.528	19.168	17.066	4.350	0.000	0.000	0.000	207.260						
C4I, Tactics and Mission Planning / 4026	0.000	1.234	1.800	2.298	3.877	2.838	1.965	1.942	Continuing	Continuing						
SNUITT / 9197	3.692	1.446	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.138						
Quantity of RDT&E Articles	9	5								14						

FY05 Congressional Adds: SNIUTT (\$1.5M)

(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 Carrier Strike Group/Expeditionary Strike Group (CSG/ESG) beginning in Calendar Year 2005. 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.

CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification				DATE:
				February 2006
APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOME	NCLATURE	
RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-5		0604373N Airk	orne Mine	Countermeasures
(U) B. PROGRAM CHANGE SUMMARY:				
(U) B. PROGRAM CHANGE SUMMARY:	FY 2005	FY 2006	FY 2007	
FY06 President's Budget	51.450	54.659	50.998	
FY07 President's Budget	50.600	53.837	56.145	
Total Adjustments	(0.850)	(0.822)	5.147	
Summary of Adjustments:				
Inflation	0.000	0.000	0.257	
Fuel Rates	0.000	0.000	0.033	
Pay Rates	0.000	0.000	0.039	
Programmatic Changes	(0.850)	(0.822)	4.818	
Subtotal	(0.850)	(0.822)	5.147	

Schedule: Acquisition Strategy for the Organic Airborne Mine Countermeasure (OAMCM) programs has changed in order to reflect restructuring to integrate the MH-60S assets availability to support testing. AN/AQS-20A. In response to a delay in a test ready MH-60S (deployment platform) and expansion of test/integration requirements, from PB05, the program schedule has been modified to incorporate platform of opportunity (MH-53) CT & DT testing during FY03 through FY04 to mitigate impacts of MH-60S availability. MH-60S DT and MH-60S OT testing will be conducted during FY06 and FY07 in support of an FY07 FRPD. IOC will now occur by December 07. ALMDS Following Congressional reduction of FY04 procurement units, SH-60F Developmental Testing (DT-IID/E is scheduled for FY07, and Operational Testing (OT) is scheduled for FY08. MS C and LRIP decision is scheduled for 3Q FY05 to support IOC. A revised Acquisition Program Baseline with updated schedule parameters from April 02 was signed on 29 November 02. OASIS Schedule adjusted to meet availability of MH-60S helicopter for development testing. MH-53E alternate platform testing will be completed in FY2006 along with an Operational Assessment (OA). MH-60S CT will be completed in FY06, DT testing in FY07, and OT has moved to FY08. LRIP production will begin in FY07. AMNS MH-60S Block 2B aligned AMNS schedule extends SD&D phase out to end of FY08 and IOC from FY07 to FY10.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification								DATE:					
		February 2006											
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELE	EMENT NUM	BER AND NAM	MBER AND NA	AME							
RDT&E, N / BA-5	0604373N/A	irborne Mine (Countermea	sures		0529 Airborne Mine Hunt Systems							
	Prior										Total		
COST (\$ in Millions)	Years Cost		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Cost to Complete	Program		
Project Cost	206.747		2.400	3.369	10.965	5.107	2.372	10.077	20.543	Continuing	Continuing		
RDT&E Articles Qty	3										3		

(U) 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 Organic MCM platforms.

(U) B. PROGRAM CHANGE SUMMARY:

(U) B. PROGRAM CHANGE SUMMARY:	FY	2005	FY 2006	FY 2007
FY06 President's Budget	4	.750	3.421	4.797
FY07 President's Budget	2	.400	3.369	10.965
Total Adjustments	(2	.350)	(0.052)	6.168
Summary of Adjustments:				
Inflation	0	.000	0.000	0.049
Fuel Rates	0	.000	0.000	0.033
Programmatic Changes	(2	.350)	(0.052)	6.086
Subtotal	(2	.350)	(0.052)	6.168

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification	1	DA	ATE:
			February 2006
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAM	ИE.
RDT&E, N , BA-5	0604373N Airborne Mine Countermeasures	0529 Airborne Mine Hunt S	Systems
B. Accomplishments/Dianned Brogram			

B. Accomplishments/Planned Program

Product Development	FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost	0.586	1.874	6.955
RDT&E Articles Quantity			

Complete EDM fabrication, including incorporation of Electro-Optic Identification (EOID) sensor capabilities.

Conduct EDM testing with maintainability requirements and refurb EDMs. Acquire EOID test units.

Commence Pre-Planned Product Improvement (P3I) to improve FLS/VSS sensors.

Develop CAD/CAC algorithm fusion.

Develop environmental data collection capabilities.

Support /T&E	FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost	1.254	1.020	3.350
RDT&E Articles Quantity			

Continued integration of towed body with MH-60S console and parallel towed body/MH-60S Console hardware-software integration and testing.

Conduct MH-60S DT and begin OT. Continue interface/integration with MH-60S, C4I Interface and MEDAL. Continue development of ILS & supportability products, training materials. Conduct parallel MH-60S Console test and common console/Aircraft Integration. Conduct platform of opportunity (MH-53) testing, i.e., CT, DT, AUTEC Tests in addition to WSIT CT and AFCS.

Conduct testing on P3I improvements to the sonar.

Management	FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost	0.560	0.475	0.660
RDT&E Articles Quantity			

Support completion of MH-60S OT events. Develop documentation in support of FRPDR. Continue development of ILS & supportability products and engineering support. Finalize documentation in support of MS-C requirements.

Develop ILS & supportability products and engineering support for P3I improvements

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification					DATE:					
				February 2006						
APPROPRIATION/BUDGET ACTIVITY	PROGRAM EI	EMENT NUM	BER AND NAM	AME						
RDT&E, N , BA-5	0604373N A	irborne Mine	Countermea	asures	0529 Airbori	ne Mine Hun	t Systems			
(U) C. OTHER PROGRAM FUNDING SUMMARY:								То	Total	
<u>Line Item No. & Name</u> 424800 OPN	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Cost	
AQS-20A	42.290	26.603	46.207							

(U) D. ACQUISITION STRATEGY: *

Upon successful completion of DT and MS C, Sole Source MH-60S systems LRIP procurement will begin in FY05 & FY06 with a Full Rate Procurement Option following a Full Rate Production Decision Review (FRPDR) in FY07. Full competition for FRP will begin in FY08.

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

CLASSIFICATION:

									DATE:				
Exhibit R-3 Cost Analysis (pag										F	ebruary 20	006	
APPROPRIATION/BUDGET ACTIV	ITY	PROGRAM E			PROJECT N								
RDT&E, N / BA-5	la			Countermeasures	0529 Airbo		lunt System		1	I=\ / 0=	_	1	
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost		FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Hardware/Software Development	SS/CPIF	Raytheon, Portsmouth, RI	26.400		0.586	10/04	1.674	10/05	4.455	10/06	Continuing	Continuing	
Hardware/Software Development	C/CPFF	Raytheon, Portsmouth, RI	60.150								0.000	60.150	
Hardware/Software Development	WX	NSWC, Panama City, FL	4.966				0.200	10/05	2.500	10/06	Continuing	Continuing	
Hardware/Software Development	C/FP	Northrop, Grumman	4.572								0.000	4.572	
												0.000	
												0.000	
												0.000	
												0.000	
												0.000	
												0.000	
												0.000	
Subtotal Product Development			96.088		0.586		1.874		6.955		Continuing	Continuing	
Engineering Services	WX	NSWC, Panama City, FL	28.379		0.519	10/04	0.320	10/05	0.500	10/06	Continuing	Continuing	
Engineering Services	C/CPFF	Raytheon, Portsmouth, RI	3.286				0.200	10/05	0.900	10/06	Continuing	Continuing	
Engineering Services	VAR	Various	53.168		0.150	10/04	0.200	10/05	0.500		0.000	53.518	
Engineering Services	SS/CPIF	Raytheon, Portsmouth, RI	3.264		0.200	10/04					0.000	3.464	
ILS Functions	WX	NSWC, Panama City, FL	5.769				0.200	10/05	0.230	10/06	Continuing	Continuing	
ILS Functions	SS/CPIF	Raytheon, Portsmouth, RI	0.826	+			0.050	10/05	0.720	10/06	Continuing		
ILS Functions	VAR	Various	0.736		0.245	10/04					0.000		
Subtotal Support			95.428		1.114		0.970		2.850		Continuing	Continuing	
Remarks:													
			D 4 0110D	DING LIST - Itom No	407								

CLASSIFICATION:

								DATE:											
Exhibit R-3 Cost Analysis (pa	age 2)									F	ebruary 2	006							
APPROPRIATION/BUDGET ACTI	VITY	PROGRAM E				PROJECT N													
RDT&E, N / BA-5				e Counterme	easures			unt System											
Cost Categories	Contract Method	Performing Activity &	Total PY s				FY 05 Award	FY 06	FY 06 Award	FY 07	FY 07 Award	0	T-4-1	T+ \ /l					
	& Type	Location	Cost				Date		Date	Cost	Date	Cost to Complete	Total Cost	Target Value of Contract					
T&E Functions	WX	NSWC, Panama City	9.868			0031	Date	0031	Date	Cost	Date	Continuing							
T&E Functions			0.984					0.050	10/05	0.500	10/06	Continuing							
T&E Functions	VAR	Various	1.443			0.140	10/04	0.000	10/00	0.000	10/00	0.000							
162 1 61161616	77	T GITTE GET				011.10	10/01					0.000	0.000						
													0.000						
													0.000						
								1		1			0.000						
Subtotal T&E			12.295			0.140		0.050		0.500)	Continuing							
Management Support	1	1	2.547			0.500	10/04	0.450	10/05	0.630	10/06	Continuing	Continuing	,					
Management Support			2.547			0.500	10/04	0.450		0.630		Continuing		•					
Travel			0.389			0.060	10/04	0.025	10/05	0.030	10/06	Continuing							
													0.000						
													0.000						
													0.000						
Subtotal Management			2.936			0.560		0.475		0.660		Continuing	Continuing						
Remarks:	•		,	,		,		<u>, </u>		,	•	, ,	,	•					
Total Cost			206.747			2.400		3.369		10.965		Continuing	Continuing	ı					
Remarks:																			

CLASSIFICATION:

EXHIBIT R4, Schedul																								DATE: February 2006										
APPROPRIATION/BUDG										ELEM										PROJECT NUMBER AND NAME														
RDT&E, N /	BA-5							06043	373N	Airbo	rne M	ine C	ounte	rmea	sures					0529 Airborne Mine Hunt Systems														
Fiscal Year		 			200)5			20	06			20	07			20	800			200	09			20)10			201	1				
				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						MS C	LRIP							\triangle	₹ FRP	IOC																		
Development Phase			1A	V/AQ	S-20 <i>F</i>	SD&	D			AN/A	AQS-2	0A P3I																						
EDMs Delivery																																		
Software Delivery V 5.X SW Delivery																																		
Test & Evaluation Milestones Development Test Operational Test							MH-609 Int CT		Δ	MH-0	DT	ИН-60S ОТ	7																					
Production Milestones																																		
LRIP I FY 05 LRIP I I FY 06														AN/A	QS-20	A LRI	PI&I																	
FRP FY 07																		AN/	AQS-2	20A Fu	II Rate	Prod	uctior	1										

CLASSIFICATION:

Exhibit R-4a, Schedule Detail						DATE:				
APPROPRIATION/BUDGET ACTIVITY	PROGRAM E	I EMENIT			DDO IECT NII	I IMBER AND N	February 20	06		
RDT&E, BA-5		irborne Mine	Countermes							
	0004373N A	7				orne Mine Hunt Systems				
Schedule Profile		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		
MH-60S Int CT		3Q	1Q-2Q							
MH-60S Int. DT			3Q-4Q							
Milestone C (MS C)/LRIP		3Q		10.00						
MH-60S OT			10.10	1Q-2Q	10.10	10.00				
Low Rate Intial Production I & II		4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-3Q				
AN/AQS-20A Full Rate Production (FRP) Decision				3Q						
IOC				4Q 4Q	10.40	10.40	10.40	10.40		
AN/AQS-20A Full Rate Production AN/AQS-20A P3I			2Q-4Q	1Q-4Q	1Q-4Q 1Q-4Q	1Q-4Q 1Q-4Q	1Q-4Q 1Q-4Q	1Q-4Q 1Q-4Q		
AIV/AQS-20A P3I			2Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q		
					+					
					+					
					+					
					+					
					+					
					+					
					 	 	 			

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification								DATE:			
									Febru	uary 2006	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELI	EMENT NUME	BER AND NAM	IE .	PROJECT NU	MBER AND N	AME			
RDT&E, N / BA-5	0604373N	Airborne Min	e Counterm	neasures		2047 Airboi	rne Laser M	Mine Detection System			
	Prior										Total
COST (\$ in Millions)	Years Cost		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Cost to Complete	Program
Project Cost	81.555		7.288	11.365	11.620	6.485	1.638	11.718	25.740	Continuing	Continuing
RDT&E Articles Qty	3										

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

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. ALMDS first spiral development phase, very shallow water capability, begins in FY2006.

(U) B. PROGRAM CHANGE SUMMARY:

(U) B. PROGRAM CHANGE SUMMARY:	FY 2005	FY 2006	FY 2007
FY06 President's Budget	3.493	11.539	11.882
FY07 President's Budget	7.288	11.365	11.620
Total Adjustments	3.795	(0.174)	(0.262)
Summary of Adjustment			
Inflation	0.000	0.000	0.053
Pay Rates	0.000	0.000	0.008
Programmatic Changes	3.795	(0.174)	(0.323)
Subtotal	3.795	(0.174)	(0.262)

CLASSIFICATION:

EXHIBIT R-2a,	, RDT&E Project Justificati	on			DATE:	
					Feb	ruary 2006
ROPRIATION/B	SUDGET ACTIVITY	PROGRAM ELEMENT NUME	BER AND NAME	PROJECT NUMBER AND I	NAME	
Γ&E, N /	BA-5	0604373N Airborne Mine	Countermeasures	2047 Airborne Laser Mi	ne Detection System	
2 Accomplish	nents/Planned Program					
s. Accomplishin	nents/Flanned Frogram					
			FY 05	FY 06	FY 07	
	ts/Effort/Subtotal Cost		3.435	7.935	7.168	
RDT&E Articles	Quantity					
RIP developme	ent, and software coding.					
		Interface, C4I Interface, and MEDAI	L.			
	lement performance enhancem					
	ims and redesign system for ve					
		, , , , , , , , , , , , , , , , , , , ,				
			FY 05	FY 06	FY 07	
Accomplishmen	ts/Effort/Subtotal Cost		0.375	0.960	0.627	
RDT&E Articles	Quantity					
	•	· · · · ·				<u> </u>
Integrated Logis	tics Support and delivery of Te	chnical Data Package				
	nitor contractor performance an					
	·					
						<u> </u>
			FY 05	FY 06	FY 07	
	ts/Effort/Subtotal Cost		3.478	2.470	3.825	
RDT&E Articles	Quantity					
Developmental 7	Testing-IIC (FY05)					
Risk Reduction	Flight (FY06)					
DT-IID and WSI						
DT-IIE (FY07/F)						
	iting (OPEVAL) (FY08)					
	3 (, (

CLASSIFICATION:

EXHIBIT R-2a, RDT&	E Project Justification							DATE:			
									Februa	ry 2006	
APPROPRIATION/BUDGE	ET ACTIVITY	PROGRAM E	LEMENT NUM	BER AND NAN	ΛE	PROJECT NU	IMBER AND N	AME			
RDT&E, N /	BA-5	0604373N A	irborne Mine	Counterme	asures	2047 Airbor	ne Laser Mir	ne Detection	System		
(U) C. OTHER PRO	OGRAM FUNDING SUMMARY:								То	Total	
Line Item No. & N	<u>lame</u>	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Cost	
424800 OPN		20.561	5.800	22.192							

(U) D. ACQUISITION STRATEGY:

The first LRIP lot of two units will be awarded as a new sole-source contract to the SD&D contractor in FY05. This will be a Fixed-Price Incentive (FPI) contract with cost and schedule incentives. LRIP Lot 2 will be for four units procured in FY07 (combined N75 and N76 funding) as an FFP option to LRIP 1; and full-rate production (FRP) Lot 1 will also be an FFP option to LRIP 1. The Contractor will provide the FPI and FFP cost proposals based upon the March 15, 2005 ALMDS Technical Data Package (TDP). Changes from this baseline configuration to incorporate technical improvements will be accepted as Engineering Change Proposals (ECPs) and will renegotiate the target cost of the FPI base contract and FFP options. FRP Lot 2 will be a new, competitively awarded, FFP contract; and FRP Lots 3 and 4 will be FFP options to the FRP 2 contract.

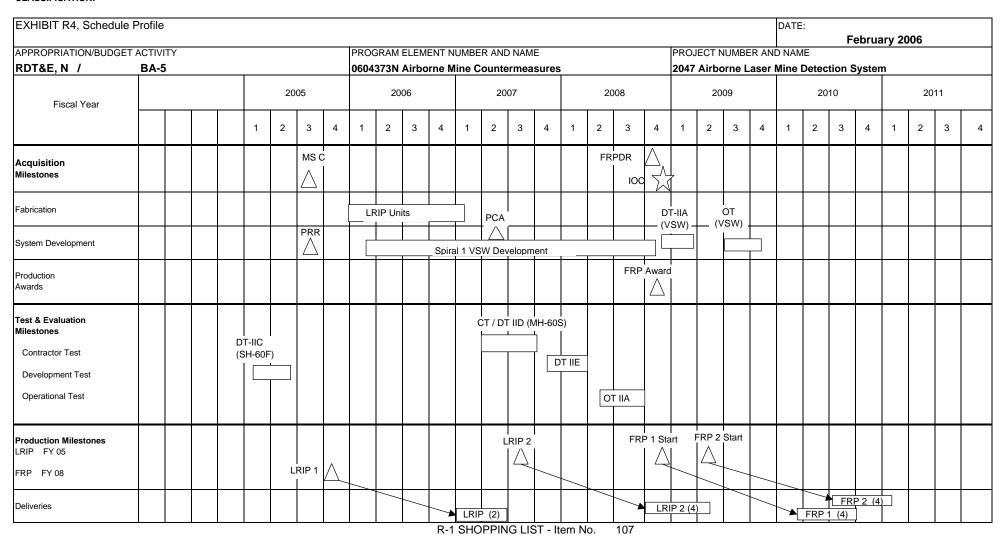
CLASSIFICATION:

							DATE:						
Exhibit R-3 Cost Analysis (pag	ge 1)								F	ebruary 20	006		
APPROPRIATION/BUDGET ACTIV	ITY	PROGRAM ELEM			PROJECT N	UMBER AND	NAME						
RDT&E, N / BA-5				e Countermeasures	2047 Airb		Mine Dete		em				
Cost Categories		Performing	Total		E) / 0=	FY 05	5,400	FY 06	E) / 0=	FY 07			
	Method & Type	Activity & Location	PY s Cost		FY 05 Cost	Award Date	FY 06 Cost	Award Date	FY 07 Cost	Award Date	Cost to Complete	Total Cost	Target Value of Contract
Hardware/Software Development		NSWC, Panama City	0.565		0031	Date	0031	Date	0031	Date	0.000	0.565	or Contract
Hardware/Software Development	WX	NSWC, PC, (Prime Contractor)	22.742		0.719	10/04	5.158	10/05	2.607	10/06	Continuing	Continuing	
Hardware/Software Development	RX	Metron	0.625		0.7.10	10/01	0.100	10/00	2.007	10/00	0.000	0.625	
Hardware/Software Development		SAIC	0.200								0.000	0.200	
Transmand Continued Dovelopment	100	0,110	0.200								0.000	0.000	
												0.000	
												0.000	
												0.000	
												0.000	
												0.000	
												0.000	
Subtotal Product Development			24.132		0.719		5.158		2.607	,	Continuing		
Engineering Services	WX	NSWC, Panama City	8.887		1.102	10/04	0.957	10/05	0.552	10/06	Continuing	Continuing	
Engineering Services	WX	NSWC, PC, (Prime Contractor)	11.850		1.297	10/04	1.175	10/05	1.835	10/06	0.000	16.157	
Engineering Services	VAR	Various	6.900		0.194	10/04	1.257	10/05	2.495	10/06	Continuing	Continuing	
Engineering Services	RX	Various	3.322								Continuing	Continuing	
ILS Functions	WX	NSWC, Panama City	1.446		0.250	10/04	0.228	10/05	0.300	10/06	Continuing	Continuing	
ILS Functions	WX	NSWC, PC, (Prime Contractor)	5.725						0.125	10/06	Continuing	Continuing	
ILS Functions	VAR	Various/NRL Stennin	1.062								0.000	1.062	
ILS Functions	WX	NSWC, Panama City	0.200		0.100	10/04					0.000	0.300	
Subtotal Support			39.392		2.943		3.617		5.307	,	Continuing	Continuing	
Remarks:													

CLASSIFICATION:

								DATE:						
Exhibit R-3 Cost Ana	alysis (page 2)									F	ebruary 20	006		
APPROPRIATION/BUDG		PROGRAM EL	EMENT		PROJEC	Г NUMBE	R AND	NAME						
RDT&E, N /	BA-5	0604373N A	Airborne Mi	ne Counterme	easure: 2047 Ai					tem				
Cost Categories	Contract	Performing	Total			FY 05			FY 06		FY 07			
	Method		PY s		FY 05	Award		FY 06	Award	FY 07	Award	Cost to	Total	Target Value
	& Type		Cost		Cost	Date		Cost	Date	Cost	Date	Complete	Cost	of Contract
Testing and Evaluation	WX	NSWC, PC, (Prime Contracto	8.072		1.1	14 10	/04	0.300	10/05	0.250	10/06	Continuing	Continuing	
Testing and Evaluation	WX	NSWC, Panama City	6.392		1.8	78 10	/04	1.665	10/05	2.175	10/06	Continuing	Continuing	
Testing and Evaluation	VAR	Various	0.392									0.000	0.392	
													0.000	
													0.000	
													0.000	
													0.000	
Subtotal T&E			14.856		2.9	92		1.965		2.425		Continuing	Continuing	
Management Support	PD	Travel	0.260		0.0	25 10	/04			0.050	10/06	Continuing	Continuing	
Management Support	VAR	Various	1.747		0.4	54 10	/04	0.314	10/05	0.594	10/06	Continuing	Continuing	
Management Support	wx	NSWC, PC, (Prime Contracto	0.579					0.040	10/05	0.280	10/06	Continuing	Continuing	
Management Support	WX	NSWC, Panama City	0.589		0.4	55 10	/04	0.271	10/05	0.357	10/06	Continuing	Continuing	
													0.000	
													0.000	
Subtotal Management			3.175		0.0	34		0.625		1.281		Continuing	Continuing	
Remarks: Total Cost Remarks:			81.555		7.2	88		11.365		11.620		Continuing	Continuing	
Remarks:														

CLASSIFICATION:



CLASSIFICATION:

Exhibit R-4a, Schedule Detail						DATE:			
						F	February 2006		
APPROPRIATION/BUDGET ACTIVITY	PROGRAM E	LEMENT			PROJECT NU	MBER AND N	AME		
RDT&BA-5	0604373N A	irborne Mine	Countermea	asures	2047 Airbor	ne Laser Min	e Detection S	System	
Schedule Profile		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
Milestone C (MS C)		3Q							
Developmental Testing (DT-IIC - SH-60F)		1Q-2Q							
Start Low-Rate Initial Production I (LRIP I)		4Q							
Preproduction Readiness Review (PRR)		3Q							
CT/DT IID				2Q-3Q					
DT IIE				4Q	1Q				
Operational Testing (OPEVAL - MH-60S)					2Q-3Q				
Physical Configuration Audit (PCA)				2Q					
Full Rate Production (FRP) Decision					4Q				
Low-Rate Initial Production I Delivery				1Q	4Q				
IOC					4Q				
Full Rate Production Start (FRP 1)					4Q				
Full Rate Production Start (FRP 2)						2Q			
Full Rate Production Delivery (FRP 1)							1Q-3Q		
Full Rate Production Delivery (FRP 2)							3Q-4Q	1Q	
DT-IIA (VSW)					4Q	1Q			
OT (VSW)						3Q-4Q			
		1							

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification								DATE:			
									Febru	uary 2006	
APPROPRIATION/BUDGET ACTIVITY	PROPRIATION/BUDGET ACTIVITY PROGRAM ELEMENT NUMBER AND NAME PROJECT NUMBER AND NAME										
RDT&E, N / BA-5	0604373N Airborne Mine Countermeasures 2427/2883 Organic Airborne and Surface Influence Sweep										
	Prior										Total
COST (\$ in Millions)	Years Cost		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Cost to Complete	Program
Project Cost	53.452		10.898	13.775	12.094	4.081	0.000	0.000	2.776	Continuing	Continuing
RDT&E Articles Qty			3								3

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

The OASIS system is a towed Minesweeping System that is deployed from specially configured MH-60S helicopters in support of the Carrier Strike Groups (CSG) and Expeditionary Strike Groups (ESG). 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) will be developed for test and evaluation. Production is planned to begin with LRIP in FY07 and full rate production to start in FY08. A Pre-Planned Product Improvement (P3I) program will be initiated to develop an autonomous sweep capability in FY11.

(U) B. PROGRAM CHANGE SUMMARY:

(U) B. PROGRAM CHANGE SUMMARY:	FY 2005	FY 2006	FY 2007
FY06 President's Budget	11.097	13.985	12.478
FY07 President's Budget	10.898	13.775	12.094
Total Adjustments	(0.199)	(0.210)	(0.384)
Summary of Adjustments:			
Inflation	0.000	0.000	0.055
Pay Rates	0.000	0.000	0.008
Programmatic Changes	(0.199)	(0.210)	(0.447)
Subtotal	(0.199)	(0.210)	(0.384)

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE:
			February 2006
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND N	IAME
RDT&E, N / BA-5	0604373N Airborne Mine Countermeasures	2427/2883 Organic Airbo	orne and Surface Influence Sweep

B. Accomplishments/Planned Program

	FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost	1.559	1.936	0.954
RDT&E Articles Quantity	3		

Continue SD&D contract to complete Design, Conduct CDR, Fabricate 3 EDM, and begin to integrate EDMs into platform. Conduct technical reviews such as PDR, SRDR, and CDR.

	FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost	8.524	10.877	10.704
RDT&E Articles Quantity			

Conduct technical studies on MH-60S interface and other technical studies.

Conduct testing including CT/DT/OA on an MH-53E helicopter and CT, DT abd OT on an MH-60S helicopter.

Conduct studies on C4I Interface and MEDAL requirements.

Conduct engineering and design work.

	FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost	0.815	0.962	0.436
RDT&E Articles Quantity			

Monitored Contractor performance and technical review of CDRLs. Conduct CDR and PDR.

Continue to monitor Contractor performance and technical review of CDRLs.

Support platform integration.

CLASSIFICATION:

	E Project Justification							DATE:	Februa	ary 2006	
PROPRIATION/BUDG		PROGRAM E	EMENT NUMI	BER AND NAM	1E	PROJECT NU	MBER AND N	AME			
DT&E, N /	BA-5	0604373N A	irborne Mine	Countermea	sures	2427/2883 Organic Airborne and Surface Influence Sweep					
(U) C. OTHER PR	OGRAM FUNDING SUMMARY:								То	Total	
Line Item No. & I 424800 OPN	<u>Name</u>	<u>FY 2005</u> 0.000	FY 2006 0.000	<u>FY 2007</u> 10.326	FY 2008	FY 2009	FY 2010	<u>FY 2011</u>	Complete	<u>Cost</u>	
	N STRATEGY: e B review in FY02, a SD&D con uction will begin.	tract was awarded. In FY07	, following a su	ccessful CT/O	A and MS C,	LRIP procureme	nt options will	be exercised.	In FY08 after a s	uccessful OT	

CLASSIFICATION:

							DATE:						
Exhibit R-3 Cost Analysis (p									F	ebruary 2	006		
APPROPRIATION/BUDGET ACT	TVITY	PROGRAM E			PROJECT N								
RDT&E, N / BA-5	1-			rmeasures/060	4373N 2427/2883		rborne and		luence Swee		•		
Cost Categories		Performing	Total			FY 05	EV 00	FY 06	EV 07	FY 07	0	T-4-1	T+ \ /!
	Method & Type	Activity & Location	PY s Cost			Award Date	FY 06 Cost	Award Date	FY 07 Cost	Award Date	Cost to Complete	Total Cost	Target Value of Contract
Hardware/Software Development		EDO Corp.	1.722		0031	Date	Cost	Date	Cost	Date	0.000		OI COITHACT
Hardware/Software Development		EDO Corp.	7.872		1.559	10/04	1.936	10/05	0.954	10/06	Continuing	Continuing	
Hardware/Software Development		Aeptec Microsystems Inc	5.898		1.559	10/04	1.930	10/03	0.954	10/00	Continuing	Continuing	
Traidware/Software Development	33/0111	Aeptec Microsystems inc	3.090				+				Continuing	0.000	
							+					0.000	
							+					0.000	
							+					0.000	
							+					0.000	
							+					0.000	
							+					0.000	
							+					0.000	
Subtotal Product Development			15.492		1.559		1.936		0.954		Continuing		
		-	1	l l			1				1		
Engineering Services	WX	NUWC Keyport	0.659								0.000	0.659	
Engineering Services	C/CPIF	EDO Corp	10.214		1.104	10/04	1.375	10/05	2.120	10/06	Continuing	Continuing	
Engineering Services	WX	NSWC Panama City	8.024		1.710	10/04	2.096	10/05	0.655	10/06	Continuing	Continuing	
Engineering Services	WX	NSWC Carderock MD	0.725								0.000	0.725	
Engineering Services/ILS	VAR	Various	0.548								0.000	0.548	
Engineering Services	PD	ONR	3.465		1.100	10/04	1.890	10/05	1.441	10/06	Continuing	Continuing	
ILS Functions	C/CPIF	EDO Corp	2.419		1.065	10/04	0.441	10/05	0.400	10/06	Continuing	Continuing	
ILS Functions	WX	NSWC Panama City	1.234		0.311	10/04	0.387	10/05	0.404	10/06	Continuing	Continuing	
Subtotal Support			27.288		5.290		6.189		5.020		Continuing	Continuing	
Remarks:													

CLASSIFICATION:

									DATE:						
Exhibit R-3 Cost An	alysis (page	2)									F	ebruary 2	006		
APPROPRIATION/BUD		Υ	PROGRAM				PROJECT N								
RDT&E, N /	BA-5			Airborne Mir	ne Counterme	easures					luence Swe				
Cost Categories		Contract	Performing	Total				FY 05		FY 06		FY 07			
			Activity &	PY s				Award		Award	FY 07	Award	Cost to	Total	Target Value
		& Type	Location	Cost				Date	Cost	Date	Cost	Date	Complete	Cost	of Contract
T&E Functions		C/CPIF	EDO Corp	3.958			1.172	10/04	1.386	1	1.450		Continuing	Continuing	
T&E Functions		WX	NSWC Panama City, FL	2.838			2.062	10/04	3.302	10/05	4.234	10/06	Continuing	Continuing	
T&E Functions	`	VAR	Various	0.554									0.000	0.554	
														0.000)
														0.000)
														0.000)
														0.000)
Subtotal T&E				7.350			3.234		4.688		5.684		Continuing	Continuing	
				T		Ī			1	ı	1			1	
Management Support	,	VAR	Various	3.127			0.785	10/04	0.932	10/05	0.406	10/06	Continuing	Continuing	
Management Support	I	PD	Travel	0.195			0.030	10/04	0.030	10/05	0.030	10/06	Continuing	Continuing	
														0.000	
														0.000)
														0.000)
														0.000)
Subtotal Management				3.322			0.815		0.962		0.436	5	Continuing	Continuing	
Remarks:						Ţ				I		T			ı
Total Cost				53.452			10.898		13.775		12.094	,	Continuing	Continuing	Ш
Remarks:															

CLASSIFICATION:

EXHIBIT R4, Schedul																								DATE		F	ebrua	ry 20	06		
APPROPRIATION/BUDGE													R AND							PROJ											
RDT&E, N /	BA-	5						06043	373N	Airbo	rne M	ine Co	ounter	meas	sures					2427/	/2883	Orgai	nic Ai	irborn	e and	l Surf	ace In	fluen	ce Sw	еер	
Fiscal Year					200	05			200	06			2007	7			20	800			200	09			20	10			201	11	
				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												MS LRI				,	ioc														
System Development												Po	st Miles PRR	tone															Planned		luct
EDM OASIS Delivery								Sys	1-3																						<i>"</i> ,
Test & Evaluation Milestones Contractor Test Development Test Operational Test								/DT/OA H-53E	7	СТМ	1-60S		DT MH	-60 OT	RR	0	PEVAI														
Production Milestones													Start				FRE	P Start													
Deliveries																															

CLASSIFICATION:

Exhibit R-4a, Schedule Detail						DATE:		
						F	ebruary 200	6
APPROPRIATION/BUDGET ACTIVITY	PROGRAM E	LEMENT			PROJECT NU	MBER AND N	AME	
RDT&BA-5	0604373N A	irborne Mine	Countermea	asures	2427/2883 C			
Schedule Profile		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
EDM System 1 Delivery			1Q					
EDM System 2 Delivery			2Q					
EDM System 3 Delivery			2Q					
CT/DT/OA MH-53E Testing			1Q					
CT MH-60S Testing			3Q-4Q					
DTII Testing				2Q-4Q				
OPEVAL					1Q-2Q			
Milestone C (LRIP)				1Q				
LRIP Contract Award				1Q				
FRP Contract Award					2Q			
Initial Operational Capability					2Q			
Pre-planned Product Improvement (P3I)								1Q-4Q
		1			†			
		1						
		1						

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification								DATE:			
									Febru	uary 2006	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM EL	EMENT NUM	BER AND NAM	IE	PROJECT NU	MBER AND N	AME			
RDT&E, N / BA-5	0604373N Ai	irborne Mine	Countermea	sures		2473 Airborr	ne Mine Neut	ralization Sy	stems		
	Prior										Total
COST (\$ in Millions)	Years Cost		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Cost to Complete	Program
Project Cost	115.814		27.334	23.528	19.168	17.066	4.350	0.000	0.000	0.000	207.260
	AMNS		RAMICS								
RDT&E Articles Qty	3		2								5

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

The Airborne Mine Neutralization Systems (AMNS) research and development effort was restarted in FY97 in Project 0529 P.E. 0604373N. AMNS will provide the MH-60S helicopter with the capability to neutralize bottom and moored mines using an airborne delivered expendable mine neutralization device. The AMNS is being tested on the MH-53E helicopter to prove out the neutralization effectiveness. The system will also be deployed from the MH-60S helicopter and will provide organic airborne mine defense for Carrier Strike Groups (CSG) and Expeditionary Strike Groups (ESG). This capability will be of critical importance in littoral zones, confined straits, choke points, and the Amphibious Objective Area (AOA). MH-60S Block 2B aligned AMNS, extends SD&D phase out later in the FYDP. MS C will be based on Alternate Platform tests to be conducted in FY06 as well as Contractor Testing (CT) on the MH-60S helicopter to be conducted in FY06 and FY07.

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 and components:

- (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.
- (e) Software

The system will be deployed from the MH-60S helicopter and will provide organic airborne mine defense for Carrier Strike Groups (CSG) and Expeditionary Strike Groups (ESG). 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; protection/offense against small craft/vehicles; air to air operations; very shallow water MCM; swimmer defense and torpedo defense; and ASW capabilities. this program received a Congressional Add in FY04 (\$2M) for RAMICS ASW capabilities. RAMICS ASW capabilities will provide a reliable rapid response weapon system to effectively defeat large surface, near surface, and underwater targets in the littorals. RAMICS program was restructured to align with MH-60S Helicopter Block 2B schedule.

CLASSIFICATION:

	DT&E Project Justification					DATE: February 2006
PPROPRIATION/BL		PROGRAM ELE			PROJECT NUMBER AND N	
DT&E, N /	BA-5	0604373N Airborne Mine C	ountermeası	ıres	2473 Airborne Mine Neu	utralization Systems
	CHANGE SUMMARY:	FY 2005	FY 2006	FY 2007		
FY06 President's		29.367	23.887	20.281		
FY07 President's		27.334	23.528	19.168		
Total Adjustment	ts	(2.033)	(0.359)	(1.113)		
	Summary of Adjustments:					
	Inflation	0.000	0.000	0.090		
	Pay Rates	0.000	0.000	0.013		
	Programmatic Changes	(2.033)	(0.359)	(1.216)		
	Subtotal	(2.033)	(0.359)	(1.113)		

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE:
			February 2006
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND N	IAME
RDT&E, N / BA-5	0604373N Airborne Mine Countermeasures	2473 Airborne Mine Neu	tralization Systems

(U) B. Accomplishments/Planned Program

AMNS	FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost	14.475	7.571	12.151
RDT&E Articles Quantity			

FY05 PLAN: Prepare documentation for MH-60S contract award (production), complete development of alternate platform tactical software, and continue fabrication of EDMs.

FY06 PLAN: Complete fabrication of EDMs. Conduct alternate platform testing. Begin MH-60S Contractor Testing (CT). Continue to monitor Contractor performance and technical review of CDRLs. Develop program documentation to achieve MS C.

FY07 PLAN: Complete MH-60S contractor test and initiate MH-60S TECHEVAL. Achieve MS C decision. Exercise Low Rate Initial Production (LRIP) option in SD&D contract.

RAMICS	FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost	12.859	15.957	7.017
RDT&E Articles Quantity	2		

FY05 PLAN: Continue RAMICS MIW design, development under the SD&D contract. Conduct final laser acceptance testing, gun sub-system concept demonstrator RAP test.

FY06 PLAN: Continue RAMICS design, develop, and fabrication of Engineering Development Models (EDMs).

FY07 PLAN: Conduct contractor testing (CT). Start captive carriage and jettison testing on the MH-60S helicopter.

CLASSIFICATION:

						DATE:			
							Februa	ry 2006	
PROGRAM EI	LEMENT NUM	BER AND NAM	ΛE	PROJECT NU	MBER AND N	AME		-	
0604373N A	irborne Mine	Counterme	asures	2473 Airbor	ne Mine Neu	tralization S	ystem		
							То	Total	
FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Cost	
0.000	0.000	4.481							
0.000	1.495	3.151							
	0604373N A <u>FY 2005</u> 0.000	0604373N Airborne Mine <u>FY 2005</u> <u>FY 2006</u> 0.000 0.000	0604373N Airborne Mine Countermed FY 2005 FY 2006 FY 2007 0.000 0.000 4.481	0.000 0.000 4.481	FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 0.000 0.000 4.481	FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 FY 2010 0.000 0.000 4.481	FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 FY 2010 FY 2011 0.000 0.000 4.481	PROGRAM ELEMENT NUMBER AND NAME D604373N Airborne Mine Countermeasures PROJECT NUMBER AND NAME 2473 Airborne Mine Neutralization System	O604373N Airborne Mine Countermeasures 2473 Airborne Mine Neutralization System FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 FY 2010 FY 2011 Complete Cost 0.000 0.000 4.481

(U) D. ACQUISITION STRATEGY:

In FY07 following a successful alternate platform test, contractor test, and MS-C, an LRIP award is planned for two (2) MH-60S systems. FRPDR is planned for FY09. Full and open competition is planned for the AMNS (MH-60S) FRP contract.

AMNS ONLY

CLASSIFICATION:

A⊓IDII K-∠a, KDI&	E Project Justification							DATE:	Februa	ry 2006	
PPROPRIATION/BUDGI	ET ACTIVITY	PROGRAM E	LEMENT NUM	IBER AND NAM	1E	PROJECT NU	JMBER AND N	AME			
DT&E, N /	BA-5	0604373N A	irborne Mine	e Counterme	asures	2473 Airbor	ne Mine Neu	ralization S	ystem		
(II) D. OTHER PRO	OGRAM FUNDING SUMMARY:										
									То	Total	
Line Item No. & N	<u>Name</u>	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	<u>Complete</u>	Cost	
(U) E. ACQUISITION	I STRATEGY:										
RAMICS: Achie	eved MS B in July 2002 and awarded	I SD&D contract in Augu	ust 2002 based	d on a full and o	pen competit	ion. Followina	MS C . a comp	etitive LRIP av	vard is planned fo	or two (2)	
	et use. Full Rate Production (FRP) of			2 0.1 4 14.1 4.14	po oopo	g		J 2 4.	raid to plainted to	(=)	

CLASSIFICATION:

								DATE:						
Exhibit R-3 Cost Analysis (pag	ge 1)									Fe	ebruary 20	006		
APPROPRIATION/BUDGET ACTIV	ITY		PROGRAM E	LEMENT		PROJECT N	UMBER ANI	D NAME						
RDT&E, N / BA-5			0604373N A	irborne Mine	Countermeasures			leutralizatio						
Cost Categories		Performing		Total			FY 05		FY 06		FY 07			
	Method & Type	Activity &		PY s Cost		FY 05 Cost	Award Date	FY 06	Award Date	FY 07 Cost	Award Date	Cost to	Total Cost	Target Value of Contract
Hardware/Software Development	C/845	Location Lockheed Sy	rasusa NV	3.331		Cost	Date	Cost	Date	Cost	Date	Complete 0.000	3.331	OI COIIII ACI
· · · · · · · · · · · · · · · · · · ·		<u> </u>	racuse, in r			+								
Hardware/Software Development	VAR	Various	0'' 51	3.359		0.400	40/04					0.000	3.359	
Hardware/Software Development	WX	NSWC Panar		1.273		0.190	10/04					0.000	1.463	
Hardware/Software Development	C/CPIF	Raytheon, Po	rtsmouth RI	11.907		3.769	10/04					0.000	15.676	
													0.000	
						1							0.000	
						1							0.000	
													0.000	
													0.000	
													0.000	
													0.000	
Subtotal Product Development				19.870		3.959		0.000		0.000		0.000	23.829	
Engineering Services	VAR	Various		3.300								0.000	3.300	
Engineering Services	WX	NSWC Panam	a City, FL	11.703		3.108	10/04	2.681	10/05	2.982	10/06	3.525	23.999	
Engineering Services	C/CPIF	Raytheon, Po	rtsmouth RI	4.894		1.210	10/04	0.656	10/05	2.160	10/06	1.720	10.640	
ILS Functions	WX	NSWC Panama	a City, FL	3.219		0.115	10/04	0.089	10/05			0.000	3.423	
ILS Functions	SS/BOA	Lockheed Syra	acuse, NY	0.227								0.000	0.227	
ILS Functions	C/CPIF	Raytheon, Po	rtsmouth RI	1.260		0.475	10/04	0.320	10/05			0.000	2.055	
													0.000	
Subtotal Support				24.603		4.908		3.746		5.142		5.245	43.644	
Remarks: AMNS ONLY														
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CLASSIFICATION:

							DATE:						
Exhibit R-3 Cost Analysis (page	ge 2)								F	ebruary 2	006		
APPROPRIATION/BUDGET ACTIV	ΊΤΥ	PROGRAM E	LEMENT		PROJECT I	NUMBER AN	D NAME						
RDT&E, N / BA-5		0604373N A	irborne Mine	Countermeasures	2473 Airbo	orne Mine N	Neutralizatio						
Cost Categories		Performing	Total			FY 05		FY 06		FY 07	_		
		Activity &	PY s		FY 05	Award	FY 06	Award	FY 07	Award	Cost to	Total	Target Value
	& Type	Location	Cost		Cost	Date	Cost	Date	Cost	Date	Complete	Cost	of Contract
Developmental Test & Evaluation	VAR	Various	0.300				1				0.000		
Developmental Test & Evaluation	WX	CSS Panama City, FL	8.647		1.313	10/04	0.671	10/05	2.865	10/06	0.000		
Developmental Test & Evaluation	SS/BOA	Lockheed Syracuse, NY	1.254								0.000		
Developmental Test & Evaluation		Raytheon, Portsmouth RI			3.88	10/04	2.755	10/05	3.740	10/06	0.000		1
Operational Test & Evaluation	WX	COTF Norfolk, VA	1.388								3.475		
Operational Test & Evaluation	SS/BOA	Lockheed Syracuse, NY	0.767								0.000	0.767	
												0.000)
Subtotal T&E			12.356		5.19	3	3.426		6.605		3.475	31.060)
Program Management Support	VAR	Various	1 476		0.27	10/04	0.350	10/05	0.364	10/06	0.269	2 927	,
Program Management Support	VAR	Various	1.476		0.37	10/04	0.359	10/05	0.364	10/06	0.268	2.837	,
Travel	PD		0.174		0.04	10/04	0.040	10/05	0.040	10/06	0.040	0.334	,
												0.000)
												0.000)
												0.000)
												0.000)
Subtotal Management			1.650		0.410	O	0.399		0.404		0.308	3.171	
Remarks:													
Total Cost			58.479		14.47	5	7.571		12.151		9.028	101.704	·
Remarks: AMNS ONLY													

CLASSIFICATION:

EXHIBIT R4, Schedu																							DATE		F	ebrua	ary 20	006		
APPROPRIATION/BUDG													NAME										D NAM							
RDT&E, N /	BA-5						0604	373N	Airbo	rne N	line C	ounte	rmeası	ires					2473	Airbo	orne N	line N	leutra	lizatio	on Sy	stem	1			
Fiscal Year				20	05			20	06			200)7			20	08			20	09			20	10			20	11	
			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													мѕ с								FRPDI	R (MH- St Dep	-60S) loymer	nt						
Prototype Phase			SD&D	Phas	e (MH	-60S)					1									ioc -										
EDM Contract Award																														
Significant Events					Altern	nate Pl	atform	Testin	g C	ontrac	or Tes	ting (M	H-60\$)																	
EDM Deliveries								1,2,3																						
Test & Evaluation Milestones												TECHE	VAL (M	H-60	S)	_ [
Development Test													4	1		╛╽	Ċ	PEV	I AL (MF	1 1-60S)	ı									
Operational Test																														
Production Milestones												LRIP (MH-60S) Stai	t															
LRIP (MH-60S) FY 06													\						FRF	P (MH-6	60S) S	tart								
FRP (MH-60S) FY 07																														
Deliveries																	₂ (LR	IP)	2					3	3	2	3	3	2	

AMNS ONLY R-1 SHOPPING LIST - Item No. 107

CLASSIFICATION:

Exhibit R-4a, Schedule Detail						DATE:	February 20	06
APPROPRIATION/BUDGET ACTIVITY	PROGRAM E	LEMENT			PROJECT NU	MBER AND NA	AME	
RDT&BA-5	0604373N A	irborne Mine	Countermea	sures	2473 Airbor	ne Mine Neut	tralization Sy	stem
Schedule Profile		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
SD&D Phase (MH-60S)		1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q			
EDM Deliveries (MH-60S)			2Q					
Alternate Platform Testing			2Q-3Q					
Contractor Testing (MH-60S)			4Q	1Q-2Q				
TECHEVAL (MH-60S)				3Q-4Q	1Q-2Q			
Milestone C (MS C)				3Q				
OPEVAL (MH-60S)					3Q-4Q			
LRIP (MH-60S) Start				3Q				
FRPDR (MH-60S)						2Q		
Low-Rate Initial Production (LRIP) Delivery (MH-60S)					3Q			
FRP (MH-60S) Start						2Q		
Initial Operational Capability (IOC) (MH-60S)						2Q		
First Deployment (MH-60S)						2Q		
								
								
								
					+			
AMNS ONLY								

CLASSIFICATION:

	41						DATE:		_				
Exhibit R-3 Cost Analysis (pa									F	ebruary 20	006		
APPROPRIATION/BUDGET ACTI	/ITY	PROGRAM			PROJECT N								
RDT&E, N / BA-5				Countermeasures	2473 Airbo		eutralization						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost		FY 05 Cost	FY 05 Award Date	FY 06	FY 06 Award Date	FY 07	FY 07 Award Date	Cost to	Total Cost	Target Value of Contract
Hardware/Software Development	C/CPIF	Northrop Grumman, FL	18.930		6.935	10/04	4.096		0.649			30.610	1
Hardware/Software Development	WX	CSS - Panama City, FL	1.634									1.634	
Hardware/Software Development	RCP	Crane - Crane, IN	1.381		0.714	10/04						2.095	
												0.000	
												0.000	
												0.000	
												0.000	
												0.000	
												0.000	
												0.000	
												0.000	
Subtotal Product Development			21.945		7.649		4.096		0.649		0.000	34.339	

C/CPIF	Northrop Grumman, FL	7.382		0.589	10/04	1.293	10/05	3.005	10/06	1.000	13.269	
WX	CSS - Panama City, FL	6.505		0.907	10/04	0.322	10/05	0.700	10/06	0.603	9.037	
Various	Crane - Crane, IN	2.200		0.232	10/04			0.300	10/06	0.400	3.132	
wx	Various	1.506		0.021	10/04	0.880	10/05	0.050	10/06	0.500	2.957	
											0.000	
C/CPIF	Northrop Grumman, FL	4.266		0.811	10/04	0.943	10/05			0.800	6.820	
wx	CSS Panama City, FL	0.885		0.195	10/04	0.255	10/05			0.764	2.099	
Various	Various	1.500				0.280	10/05				1.780	
		24.244		2.755		3.973	-	4.055		4.067	39.094	-
	WX Various WX C/CPIF WX	WX CSS - Panama City, FL Various Crane - Crane, IN WX Various C/CPIF Northrop Grumman, FL WX CSS Panama City, FL	WX CSS - Panama City, FL 6.505 Various Crane - Crane, IN 2.200 WX Various 1.506 C/CPIF Northrop Grumman, FL 4.266 WX CSS Panama City, FL 0.885 Various Various 1.500	WX CSS - Panama City, FL 6.505 Various Crane - Crane, IN 2.200 WX Various 1.506 C/CPIF Northrop Grumman, FL 4.266 WX CSS Panama City, FL 0.885 Various Various 1.500	WX CSS - Panama City, FL 6.505 0.907 Various Crane - Crane, IN 2.200 0.232 WX Various 1.506 0.021 C/CPIF Northrop Grumman, FL 4.266 0.811 WX CSS Panama City, FL 0.885 0.195 Various Various 1.500	WX CSS - Panama City, FL 6.505 0.907 10/04 Various Crane - Crane, IN 2.200 0.232 10/04 WX Various 1.506 0.021 10/04 C/CPIF Northrop Grumman, FL 4.266 0.811 10/04 WX CSS Panama City, FL 0.885 0.195 10/04 Various Various 1.500 0.195 10/04	WX CSS - Panama City, FL 6.505 0.907 10/04 0.322 Various Crane - Crane, IN 2.200 0.232 10/04 0.880 WX Various 1.506 0.021 10/04 0.880 C/CPIF Northrop Grumman, FL 4.266 0.811 10/04 0.943 WX CSS Panama City, FL 0.885 0.195 10/04 0.255 Various Various 1.500 0.280	WX CSS - Panama City, FL 6.505 0.907 10/04 0.322 10/05 Various Crane - Crane, IN 2.200 0.232 10/04 0.880 10/05 WX Various 1.506 0.021 10/04 0.880 10/05 C/CPIF Northrop Grumman, FL 4.266 0.811 10/04 0.943 10/05 WX CSS Panama City, FL 0.885 0.195 10/04 0.255 10/05 Various Various 1.500 0.280 10/05	WX CSS - Panama City, FL 6.505 0.907 10/04 0.322 10/05 0.700 Various Crane - Crane, IN 2.200 0.232 10/04 0.880 10/05 0.300 WX Various 1.506 0.021 10/04 0.880 10/05 0.050 C/CPIF Northrop Grumman, FL 4.266 0.811 10/04 0.943 10/05 WX CSS Panama City, FL 0.885 0.195 10/04 0.255 10/05 Various Various 1.500 0.280 10/05 0.280 10/05	WX CSS - Panama City, FL 6.505 0.907 10/04 0.322 10/05 0.700 10/06 Various Crane - Crane, IN 2.200 0.232 10/04 0.880 10/05 0.300 10/06 WX Various 1.506 0.021 10/04 0.880 10/05 0.050 10/06 C/CPIF Northrop Grumman, FL 4.266 0.811 10/04 0.943 10/05 WX CSS Panama City, FL 0.885 0.195 10/04 0.255 10/05 Various Various 1.500 0.280 10/05 0.280 10/05	WX CSS - Panama City, FL 6.505 0.907 10/04 0.322 10/05 0.700 10/06 0.603 Various Crane - Crane, IN 2.200 0.232 10/04 0.800 10/05 0.300 10/06 0.400 WX Various 1.506 0.021 10/04 0.880 10/05 0.050 10/06 0.500 C/CPIF Northrop Grumman, FL 4.266 0.811 10/04 0.943 10/05 0.800 WX CSS Panama City, FL 0.885 0.195 10/04 0.255 10/05 0.764 Various Various 1.500 0.280 10/05 0.280 10/05	WX CSS - Panama City, FL 6.505 0.907 10/04 0.322 10/05 0.700 10/06 0.603 9.037 Various Crane - Crane, IN 2.200 0.232 10/04 0.880 10/05 0.300 10/06 0.400 3.132 WX Various 1.506 0.021 10/04 0.880 10/05 0.050 10/06 0.500 2.957 C/CPIF Northrop Grumman, FL 4.266 0.811 10/04 0.943 10/05 0.800 6.820 WX CSS Panama City, FL 0.885 0.195 10/04 0.255 10/05 0.764 2.099 Various Various 1.500 0.280 10/05 0.280 10/05 1.780

Remarks: This is RAMICS only .

CLASSIFICATION:

OGRAM ELEMENT 04373N Airborne Mine Coun Total PY s Cost In, FL 2.330 ty, FL 1.230 0.500	itermeasures	FY 05 Cost	ne Mine N FY 05 Award	eutralization	FY 06		ebruary 20	006		
Total PY s Cost 1.230 1.230 1.250 1.250 1.500 1.500 1.500 1.500 1.500 1.500 1.500	itermeasures	2473 Airbor FY 05 Cost	ne Mine N FY 05 Award	eutralization	FY 06		FY 07			
Total PY's Cost in, FL 2.330 ty, FL 1.230 0.500	itermeasures	FY 05 / Cost I	FY 05 Award		FY 06		FY 07	1	1	
PY s Cost in, FL 2.330 ty, FL 1.230 0.500		FY 05 Cost	Award							Г
Cost 2.330 ty, FL 1.230 0.500		Cost I			Award	FY 07	Award	Cost to	Total	Target Val
n, FL 2.330 ty, FL 1.230 0.500		†	Date		Date		Date			of Contrac
ty, FL 1.230 0.500		1.059	10/04	3.590	10/05	0.416	10/06	1.521	8.916	1
		0.364	10/04	2.885	10/05	0.400	10/06	1.923	6.802	
		0.177	10/04	0.190	10/05	0.167	10/06	0.217	1.251	
4.788		0.527	10/04	0.893	10/05	1.000	10/06	4.000	11.208	
									0.000	
									0.000	
									0.000	1
8.848		2.127		7.558		1.983		7.661	28.177	1
2.146 0.152		0.300 0.028	10/04 10/04	0.300	10/05 10/05	0.300 0.030	10/06 10/06	0.600	3.646 0.300	
0.152		0.028	10/04	0.030	10/05	0.030	10/06	0.060	0.000	
									0.000	
									0.000	
									0.000	
2.298		0.328		0.330		0.330		0.660	3.946	
		12.859		15.957		7.017		12.388	105.556	
57.335								•		1
	57.335	57.335	57.335 12.859	57.335 12.859	57.335 12.859 15.957	57.335 12.859 15.957	57.335 12.859 15.957 7.017	57.335 12.859 15.957 7.017	57.335 12.859 15.957 7.017 12.388	57.335 12.859 15.957 7.017 12.388 105.556

CLASSIFICATION:

EXHIBIT R4, Schedule	Profile)																								DATE:		Fe	ebrua	ry 200	06	
APPROPRIATION/BUDGE															R AND							PROJE										
RDT&E, N /	BA-	5			1					0604	373N	Airbo	rne N	line C	ounte	rmea	sures	i I				2473	Airbo	rne M	line N	leutral	izatio	n Sys	stem			
Fiscal Year		2	004				200)5			20	06			20	07			20	800			200)9			20	10			2011	
	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	1	2	3
Acquisition Milestones																					MS C						F	RPD	IOC			
Program Phases					Sy	ystem	Dev	elopm	ent an	d Dem	onstra	tion (S	D&D)	1																		
Significant Events			CDR																			DTRR				OTRR	2					
EDM Delivery														ED _	M 1	EDI	M 2															
Test & Evaluation Milestones																Conti				Testing Test (MI	ĺ	,										
Development Test Operational Test													Capti	ve Car	riage/J	ettison	Test		DT	-IIA (alt.	plat)	wsın	CT (ИН-60		ECHEV	1	IH-60S				
Production Milestones																						LRIP	Start				٦					
LRIP FY09 FRP FY 10																												FRP	Start			
Deliveries (N75)						\dagger																					▼ RIP (2)				P	rod (5)
Deliveries (N76)																										LR	RIP (2)				Р	rod (8)

CLASSIFICATION:

Exhibit R-4a, Schedule Detail						DATE:		
							February 20	06
PPROPRIATION/BUDGET ACTIVITY	PROGRAM E	LEMENT			PROJECT NU	MBER AND NA	AME	
RDT&BA-5	0604373N A	irborne Mine	Countermea	asures	2473 Airbor	ne Mine Neut	tralization Sy	stem
Schedule Profile		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
System Development and Demonstration (SD&D) Phase		1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q			
Engineering Development Model (EDM) Delivery (2 units)				1Q, 3Q				
Technical Evaluation (TECHEVAL) - MH-60						2Q-4Q		
Milestone (MS) C					4Q			
Start Low Rate Initial Production (LRIP)						2Q		
Captive Carriage / Jettison Testing					1Q-2Q			
Operational Evaluation (OPEVAL)							2Q	
Full Rate Production Decision (FRPD)							3Q	
LRIP Production Delivery (2 Units)							2Q	
Initial Operational Capability (IOC)							4Q	
Full Rate Production Start							4Q	
First Production Delivery (2 units)								4Q
Contractor Performance Testing (No A/C)				2Q				
Visit Ground Test (MH-60s)				3Q-4Q				
DT-IIA (Alternate Platform)					1Q-2Q			
WSIT CT(MH-60s)					2Q-4Q			
RAMICS ONLY								

R-1 SHOPPING LIST - Item No.

107

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification	1						DATE:			
								Febru	uary 2006	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUM	BER AND NAM	1E	PROJECT NU	IMBER AND N	AME			
RDT&E, N / BA-5	0604373N A	Airborne Mine Counterr	neasures		4026 - C4I,	Tactics, and	d Mission P	lanning		
	Prior									Total
COST (\$ in Millions)	Years Cost	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Cost to Complete	Program
Project Cost	0.000	1.234	1.800	2.298	3.877	2.838	1.965	1.942	Continuing	Continuing
RDT&E Articles Qty										0

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

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. This program was previously funded under PE-0603502N, project 1233.

(U) B. PROGRAM CHANGE SUMMARY:

(U) B. PROGRAM CHANGE SUMMARY:	FY 2005	FY 2006	FY 2007
FY06 President's Budget	1.257	1.827	1.560
FY07 President's Budget	1.234	1.800	2.298
Total Adjustments	(0.023)	(0.027)	0.738
Summary of Adjustments:			
Inflation	0.000	0.000	0.010
Pay Rates	0.000	0.000	0.002
Programmatic Changes	(0.023)	(0.027)	0.726
Subtotal	(0.023)	(0.027)	0.738

CLASSIFICATION:

3. Accomplishmen	BA-5	PROGRAM ELEMENT NUM 0604373N Airborne Mine		PROJECT NUMBER AND N		ary 2006
Γ&E, N / 3. Accomplishmen	BA-5			PROJECT NUMBER AND N	AME	
3. Accomplishmen		0604373N Airborne Mine	_			
	sto/Dianned Dream		Countermeasures	4026 - C4I, Tactics, and	Mission Planning	
Accomplishments/E	its/Planned Program					
Accomplishments/E			FY 05	FY 06	FY 07	
	ffort/Subtotal Cost		0.139	0.430	0.541	
RDT&E Articles Qu	antity					
Mission Planning ar	nd MEDAL					
			E)/ 05		57, 07	
Λ l' - l /Γ	- # - # /C h to to l Co o t		FY 05	FY 06	FY 07	
	Effort/Subtotal Cost		0.955	1.149	1.234	
RDT&E Articles Qu	antity					
Organic Post Missi	on Analysis (OPMA) and CTM	D Common Support				
Jigariic Fost Missic	on Analysis (OF MA) and CTM	ir Common Support				
						
			FY 05	FY 06	FY 07	
	Effort/Subtotal Cost		0.140	0.221	0.523	
RDT&E Articles Qu	antity					
	Data Bases, and Algorithms					
Tactics Documenta	ation and Training					

CLASSIFICATION:

	•								Februa	ary 2006
ROPRIATION/BUDGE	T ACTIVITY	PROGRAM E	LEMENT NUM	BER AND NAM	IE	PROJECT NU	JMBER AND N	AME		
™E, N /	BA-5	0604373N A	irborne Mine	e Countermea	sures	4026 - C4I,	Tactics, an	d Mission P	Planning	
(U) C. OTHER PRO	OGRAM FUNDING SUMMARY:									
									To	Total
Line Item No. & N	<u>ame</u>	<u>FY 2005</u>	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	<u>Complete</u>	Cost
(II) D. ACQUISITION	STDATEGY:									
(U) D. ACQUISITION	STRATEGY:									
The Organic Po	ost-Mission Analysis (OPMA) capab									
The Organic Po	ost-Mission Analysis (OPMA) capab PMA software, maximize commona	ality, and host the softwar	re on a commo	n shipboard cor	nputer. OPN	funding will be	used to procur	e ruggedized p	oortable OPMA c	omputers for
The Organic Podevelopmental ship of opportu	ost-Mission Analysis (OPMA) capab PMA software, maximize commona nity deployments, land basing, and	ality, and host the softwar training. Development of	re on a commo f OAMCM-syste	n shipboard cor em-specific MEI	mputer. OPN DAL modules	funding will be will be perform	used to procur ed by SAIC, M	e ruggedized ր cLean, VA. Th	oortable OPMA conis effort will inclu	omputers for ide post-test
The Organic Podevelopmental ship of opportuupdates for the	ost-Mission Analysis (OPMA) capab PMA software, maximize commona	ality, and host the softwar training. Development of to allow transition to a Fle	re on a commo f OAMCM-syste eet release. NS	n shipboard cor em-specific MEI SWC-PC will cor	mputer. OPN DAL modules ntract for this	funding will be will be perform work on a time	used to procur ed by SAIC, M and materials	e ruggedized p cLean, VA. Th basis. The tac	portable OPMA conis effort will include tics development	omputers for lide post-test t, tactics
The Organic Podevelopmental ship of opportuupdates for the training, and tato environment	ost-Mission Analysis (OPMA) capab PMA software, maximize commona nity deployments, land basing, and system-specific MEDAL modules t ctics algorithms/database efforts ar al databases necessary to support	ality, and host the softwar training. Development of to allow transition to a Fle re performed by NSWC-P	re on a commo f OAMCM-syste eet release. NS PC. These effo	n shipboard cor em-specific MEI SWC-PC will cor rts will provide r	mputer. OPN DAL modules ntract for this reach back su	funding will be will be perform work on a time upport as the O	used to procur ed by SAIC, M and materials AMCM systems	e ruggedized pcLean, VA. The tacks begin to be fi	portable OPMA conis effort will inclustics development elded; will develo	omputers for ude post-test t, tactics p modifications
The Organic Podevelopmental ship of opportuupdates for the training, and tato environment	ost-Mission Analysis (OPMA) capab PMA software, maximize commona nity deployments, land basing, and system-specific MEDAL modules t ctics algorithms/database efforts ar	ality, and host the softwar training. Development of to allow transition to a Fle re performed by NSWC-P	re on a commo f OAMCM-syste eet release. NS PC. These effo	n shipboard cor em-specific MEI SWC-PC will cor rts will provide r	mputer. OPN DAL modules ntract for this reach back su	funding will be will be perform work on a time upport as the O	used to procur ed by SAIC, M and materials AMCM systems	e ruggedized pcLean, VA. The tacks begin to be fi	portable OPMA conis effort will inclustics development elded; will develo	omputers for ude post-test t, tactics p modifications
The Organic Podevelopmental ship of opportuupdates for the training, and ta to environment	ost-Mission Analysis (OPMA) capab PMA software, maximize commona nity deployments, land basing, and system-specific MEDAL modules t ctics algorithms/database efforts ar al databases necessary to support	ality, and host the softwar training. Development of to allow transition to a Fle re performed by NSWC-P	re on a commo f OAMCM-syste eet release. NS PC. These effo	n shipboard cor em-specific MEI SWC-PC will cor rts will provide r	mputer. OPN DAL modules ntract for this reach back su	funding will be will be perform work on a time upport as the O	used to procur ed by SAIC, M and materials AMCM systems	e ruggedized pcLean, VA. The tacks begin to be fi	portable OPMA conis effort will inclustics development elded; will develo	omputers for ude post-test t, tactics p modifications
The Organic Podevelopmental ship of opportuupdates for the training, and tato environment	ost-Mission Analysis (OPMA) capab PMA software, maximize commona nity deployments, land basing, and system-specific MEDAL modules t ctics algorithms/database efforts ar al databases necessary to support	ality, and host the softwar training. Development of to allow transition to a Fle re performed by NSWC-P	re on a commo f OAMCM-syste eet release. NS PC. These effo	n shipboard cor em-specific MEI SWC-PC will cor rts will provide r	mputer. OPN DAL modules ntract for this reach back su	funding will be will be perform work on a time upport as the O	used to procur ed by SAIC, M and materials AMCM systems	e ruggedized pcLean, VA. The tacks begin to be fi	portable OPMA conis effort will inclustics development elded; will develo	omputers for ude post-test t, tactics p modifications
The Organic Podevelopmental ship of opportuupdates for the training, and tato environment	ost-Mission Analysis (OPMA) capab PMA software, maximize commona nity deployments, land basing, and system-specific MEDAL modules t ctics algorithms/database efforts ar al databases necessary to support	ality, and host the softwar training. Development of to allow transition to a Fle re performed by NSWC-P	re on a commo f OAMCM-syste eet release. NS PC. These effo	n shipboard cor em-specific MEI SWC-PC will cor rts will provide r	mputer. OPN DAL modules ntract for this reach back su	funding will be will be perform work on a time upport as the O	used to procur ed by SAIC, M and materials AMCM systems	e ruggedized pcLean, VA. The tacks begin to be fi	portable OPMA conis effort will inclustics development elded; will develo	omputers for ude post-test t, tactics p modifications
The Organic Podevelopmental ship of opportuupdates for the training, and ta to environment	ost-Mission Analysis (OPMA) capab PMA software, maximize commona nity deployments, land basing, and system-specific MEDAL modules t ctics algorithms/database efforts ar al databases necessary to support	ality, and host the softwar training. Development of to allow transition to a Fle re performed by NSWC-P	re on a commo f OAMCM-syste eet release. NS PC. These effo	n shipboard cor em-specific MEI SWC-PC will cor rts will provide r	mputer. OPN DAL modules ntract for this reach back su	funding will be will be perform work on a time upport as the O	used to procur ed by SAIC, M and materials AMCM systems	e ruggedized pcLean, VA. The tacks begin to be fi	portable OPMA conis effort will inclustics development elded; will develo	omputers for ude post-test t, tactics p modifications
The Organic Podevelopmental ship of opportuupdates for the training, and ta to environment	ost-Mission Analysis (OPMA) capab PMA software, maximize commona nity deployments, land basing, and system-specific MEDAL modules t ctics algorithms/database efforts ar al databases necessary to support	ality, and host the softwar training. Development of to allow transition to a Fle re performed by NSWC-P	re on a commo f OAMCM-syste eet release. NS PC. These effo	n shipboard cor em-specific MEI SWC-PC will cor rts will provide r	mputer. OPN DAL modules ntract for this reach back su	funding will be will be perform work on a time upport as the O	used to procur ed by SAIC, M and materials AMCM systems	e ruggedized pcLean, VA. The tacks begin to be fi	portable OPMA conis effort will inclustics development elded; will develo	omputers for ude post-test t, tactics p modifications

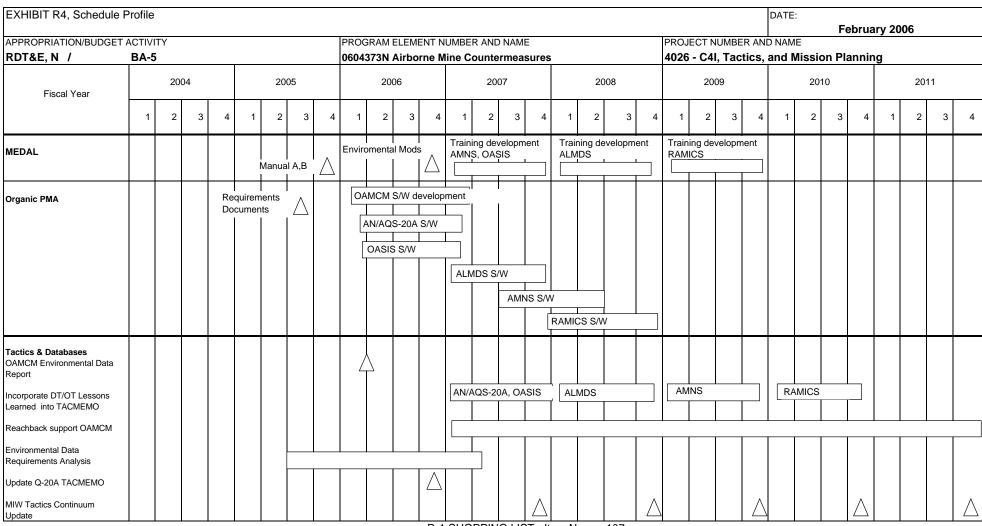
CLASSIFICATION:

							DATE:						
Exhibit R-3 Cost Analysis (p	age 1)									February	y 2006		
APPROPRIATION/BUDGET ACT	IVITY	PROGRAM				JMBER AND N							
RDT&E, N / BA-5			I Airborne Mine Counte	rmeasures	4026 - C4I,		nd Mission I				_		
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost		FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Hardware/Software Development	RX	SAIC			0.082	10/04	0.352	2 10/05	0.055	10/06	Continuing	Continuing	
Hardware/Software Development	WX	NSWC, Panama City, FL			0.520	10/04	0.489	10/05	0.355	10/06	Continuing	Continuing	
												0.000	
												0.000	
												0.000	
												0.000	
												0.000	
												0.000	
												0.000	
												0.000	
												0.000	
Subtotal Product Development			0.000		0.602	2	0.84	1	0.410)	Continuing	Continuing	
Engineering Services	wx	NAVO							0.015	10/06	Continuino	Continuing	
Engineering Services	VAR	Various			0.002	10/04	0.114	10/05	0.399	10/06	Continuing	Continuing	
Engineering Services	wx	NSWC, Panama City, FL			0.408	10/04	0.382	2 10/05	0.632	10/06	Continuing	Continuing	
Engineering Services	RX	TBD							0.221	10/06			
Engineering Services	RX	SAIC							0.240	10/06			
ILS	WX	NSWC, Panama City, FL					0.20	1 10/05	0.181	10/06		0.382	
												0.000	
												0.000	
Subtotal Support			0.000		0.410)	0.697	7	1.688	3	Continuing	Continuing	
Remarks:													
L			R-1 SHOPPING LIST	Itom No	107								

CLASSIFICATION:

								DATE:						
Exhibit R-3 Cost Analysis (pa	ige 2)	<u>, </u>								F	ebruary 2	006		
APPROPRIATION/BUDGET ACTI	VITY	PROGRAM E		_		PROJECT N								
RDT&E, N / BA-5			Airborne Mi	ne Counter	measures	4026 - C4		and Missio		9				
Cost Categories	Contract	Performing	Total				FY 05		FY 06		FY 07			
	Method	Activity &	PY s			FY 05	Award	FY 06	Award	FY 07	Award	Cost to		Target Value
	& Type	Location	Cost			Cost	Date	Cost	Date	Cost	Date	Complete		of Contract
Test and Evaluation	WX	NSWC, Panama City, FL								0.040	10/06	Continuing		
													0.000	
													0.000	
													0.000	
													0.000	
													0.000	
													0.000	
Subtotal T&E			0.000			0.000		0.000		0.040		Continuing	Continuing	
			_											
Management Support	WX	NSWC, Panama City, FL				0.202	10/04	0.242	10/05	0.140	10/06	Continuing	Continuing	
Management Support	RX	SAIC				0.020	10/04	0.020	10/05	0.020	10/06	Continuing	Continuing	
													0.000	
													0.000	
													0.000	
													0.000	
Subtotal Management			0.000			0.222		0.262		0.160		Continuing	Continuing	
Remarks:														
Total Cost	_		0.000	_		1.234		1.800		2.298		Continuing	Continuing	
Remarks:														

CLASSIFICATION:



CLASSIFICATION:

Exhibit R-4a, Schedule Detail						DATE:		
,						ı	ebruary 20	06
APPROPRIATION/BUDGET ACTIVITY	PROGRAM E	LEMENT			PROJECT NU	MBER AND NA		
RDT&E, N / BA-5	0604373N A	irborne Mine	Countermea	sures	4026 - C4I,	Tactics, and	d Mission Pl	anning
Schedule Profile		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
OPMA requirements documents		3Q						
Environmental data requirement analysis		3Q-4Q	1Q-4Q	1Q-2Q				
MEDAL : manual A, B, mu Bn inputs		4Q			1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q
OPMA; OAMCM software development (core)			1Q-4Q	1Q				
OPMA; AN/AQS-20A software			1Q-4Q	1Q				
OPMA; OASIS software			1Q-4Q	1Q				
OAMCM enviromental data report			2Q					
MEDAL; Enviromental mods to query water current by depth			4Q					
Update AN/AQS-20A TACMEMO for NAVO Bottom Mapping			4Q					
MEDAL; training development AMNS, OASIS				1Q-4Q				
OPMA; ALMDS Software				1Q-4Q				
Incorporate DT/OT lessons learned into TACMEMO; Q20A, OASIS				1Q-4Q				
Reachback Support				1Q-4Q	1Q-2Q	1Q-4Q	1Q-4Q	1Q-4Q
OPMA; AMNS Software				3Q-4Q	1Q-2Q			
OPMA; RAMICS Software				4Q	1Q-4Q			
MEDAL training development, ALMDS				. ~	1Q-4Q			
MIW Tactics Continumum update				4Q	4Q	4Q	4Q	4Q
Incorporate DT/OT lessons learned into TACMEMO; ALMDS					1Q-4Q			
MEDAL Training development RAMICS						1Q-4Q		
Incorporate DT/OT lessons learned into TACMEMO; AMNS						1Q-4Q		
Incorporate DT/OT lessons learned into TACMEMO; RAMICS							1Q-4Q	
incorporate 2 1/01 loodene loainea into 17 cm2 me, 18 amee							14.14	
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		+	-		+			

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification								DATE:			
									Febru	uary 2006	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM EL	LEMENT NUMI	BER AND NAM	E	PROJECT NU	MBER AND N	AME			
RDT&E, N / BA-5	0604373N A	irborne Mine	Countermea	sures		9179 Surface	e Navy Integ	rated Unders	ea Tactical T	Гесhnology	
	Prior										Total
COST (\$ in Millions)	Years Cost		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Cost to Complete	Program
Project Cost	3.692		1.446	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.138
RDT&E Articles Qty											0

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

This congressional add for Surface Navy Inegrated Undersea Tactical Technology (SNIUTT) will be used to develop 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).

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE:
			February 2006
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND N	IAME
RDT&E, N / BA -5	0604373N Airborne Mine Countermeasures	Q9179 Surface Navy Inte	egrated Undersea Tactical Technology

B. Accomplishments/Planned Program

	FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost	1.446	0.000	0.000
RDT&E Articles Quantity			

Congressional Add. - Investigate development of an 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).

CLASSIFICATION:

	age 1)										February 20	06	
Exhibit R-3 Cost Analysis (pa	VITY	PROGRAM	ELEMENT				PROJECT N	JMBER AND	NAME		•		
RDT&E, N / BA-5				e Countermeasur	es		9179 Surfac		tegrated Unde		al Technology (SI	NIUTT)	
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost		FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Hardware/Software Development	C/CPFF	AAC, Ronkonkoma, NY	3.359		0.880	1	Cost	Date	Cost	Date	Complete		239
Hardware/Software Development	C/CPFF	AAC, Ronkonkoma, NY	3.359	'	0.880	03/05	+				+		000
	+						+						000
							+		+				
												_	000
	_								_			_	000
													000
	+											_	000
	+												000
Subtotal Product Development			3.359)	0.880)	0.000)	0.00	00	0.00	0 4.	239
Remarks:													
Remarks:													
	WR	NSWC, PC Panama City, FL	0.333		0.560	03/05						0.	899
Development Support	WR	NSWC, PC Panama City, FL	0.333		0.566	03/05							899 000
Development Support Software Development	WR	NSWC, PC Panama City, FL	0.333		0.560	3 03/05						0.	
Development Support Software Development Training Development	WR	NSWC, PC Panama City, FL	0.333		0.560	03/05						0.	000
Development Support Software Development Training Development Integrated Logistics Support	WR	NSWC, PC Panama City, FL	0.333		0.560	03/05						0. 0.	000
Development Support Software Development Training Development Integrated Logistics Support Configuration Management	WR	NSWC, PC Panama City, FL	0.333		0.560	03/05						0. 0. 0.	000 000 000
Development Support Software Development Training Development Integrated Logistics Support Configuration Management Technical Data	WR	NSWC, PC Panama City, FL	0.333		0.560	03/05						0. 0. 0. 0.	000 000 000 000
Development Support Software Development Training Development Integrated Logistics Support Configuration Management Technical Data GFE Award Fees	WR	NSWC, PC Panama City, FL	0.333		0.560	03/05						0. 0. 0. 0.	000 000 000 000 000
Development Support Software Development Training Development Integrated Logistics Support Configuration Management Technical Data GFE Award Fees	WR	NSWC, PC Panama City, FL	0.333		0.566		0.000		0.00	000	0.00	0. 0. 0. 0. 0. 0.	000 000 000 000 000 000
Development Support Software Development Training Development Integrated Logistics Support Configuration Management Technical Data GFE	WR	NSWC, PC Panama City, FL					0.000		0.00	000	0.00	0. 0. 0. 0. 0. 0.	000 000 000 000 000 000 000
Development Support Software Development Training Development Integrated Logistics Support Configuration Management Technical Data GFE Award Fees	WR	NSWC, PC Panama City, FL					0.000		0.00	00	0.00	0. 0. 0. 0. 0. 0.	000 000 000 000 000 000 000
Development Support Software Development Training Development Integrated Logistics Support Configuration Management Technical Data GFE Award Fees Subtotal Support	WR	NSWC, PC Panama City, FL					0.000		0.00	00	0.00	0. 0. 0. 0. 0. 0.	000 000 000 000 000 000 000