

EXHIBIT R-2, RDT&E Budget Item Justification							DATE:		
APPROPRIATION/BUDGET ACTIVITY							R-1 ITEM NOMENCLATURE		
RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-4							0603254N, ASW SYSTEMS DEVELOPMENT		
COST (\$ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	
Total PE Cost	20.545	25.337	16.706	29.104	13.911	12.640	12.847	13.189	
0490 PROJECT BEARTRAP	3.750	3.828	3.605	3.807	3.611	2.318	2.337	2.458	
1292 ADV ASW SENSORS & PROC	3.172	3.029	3.287	10.485	10.300	10.322	10.510	10.731	
9177 LASH ASW		9.862	9.814	14.812					
9999 CONGRESSIONAL ADD	13.623	8.618							

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

0490. The mission of Project BEARTRAP (CNO Project K-0416) is to provide Sound Pressure Level (SPL) quality recordings of targets of interest and an associated new technology, rapid prototyping mechanism for the application of state-of-the-art collection sensors. The program will develop and rapidly deploy new technology concepts in hardware and software to effectively address emerging littoral threats and to improve the present Undersea Warfare capability in support of Sea Shield/Sea Trial Initiatives. The BEARTRAP Environmental data collection program provides passive and active acoustic and non-acoustic data essential for the design and development of environmental models, sensors, weapons, software algorithms, and tactical decision aids. BEARTRAP employs developmental and prototypical hardware installed in uniquely configured ASW aircraft to collect data of interest, and specially configured ground support facilities to conduct reconstruction and analysis of this data. BEARTRAP includes calibrated recording systems, advanced detection and tracking systems, special sensors, advanced processing systems and techniques and specially derived operational tactics.

1292. This program provides Anti-submarine Warfare (ASW) platform effectiveness through development of advanced hardware and software associated with airborne acoustic systems. This includes sensors, processing, post-processing, data recording and display capabilities to address regional threat scenarios against conventionally and nuclear powered submarines. Key objectives are platform accommodations of advanced active and passive sensors, improved detection, classification, localization, tracking, and increased capacity and flexibility to handle multi-sensor data loads. Programs being funded during the FYDP will investigate technologies such as: the exploitation of forward scatter, transient signals, and source and receiver improvement technologies that will enhance passive and Multi-Static Active Sensor Systems capabilities. Other programs being funded during the FYDP will provide for the development of technologies that will allow transition from the cued search phase to the localization and attack phase in the harsh shallow water areas. In addition, the program will provide for the development and subsequent experimentation of Multi-Static Active (MSA) sources and receivers with the associated USQ-78B processor.

9177. Planned Navy funding for FY 07-09 will support development, integration, and testing of the Electro-optical Passive ASW System (EPAS) and deliver 8 fieldable prototype systems to demonstrate a 24-hour air ASW capability for fixed wing, helicopter, and UAV ASW platforms in multiple geographic locations and seasonal variations. Expected funding change in FY08/09.

Note: Change in process with OPNAV to re-name 9177 EPAS.

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EXHIBIT R-2, RDT&E Budget Item Justification		DATE: February 2007
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-4	R-1 ITEM NOMENCLATURE 0603254N, ASW SYSTEMS DEVELOPMENT	

B. PROGRAM CHANGE SUMMARY

Funding:	FY 2006	FY 2007	FY 2008	FY 2009
Previous President's Budget:	18.944	16.782	15.108	27.132
Current President's Budget:	20.545	25.337	16.706	29.104
Total Adjustments	<u>1.601</u>	<u>8.555</u>	<u>1.598</u>	<u>1.972</u>
Summary of Adjustments				
Congressional Reductions	-0.116			
Congressional Rescissions				
Congressional Undistributed Reductions	-0.282	-0.095		
Congressional Increases		8.650		
Economic Assumptions			0.038	0.435
Miscellaneous Adjustments	1.999		1.560	1.537
Subtotal	<u>1.601</u>	<u>8.555</u>	<u>1.598</u>	<u>1.972</u>

Schedule:

0490. AQL was renamed Tactical Acoustic Processor (TAPS) in FY05 at IOC. Schedule includes increased R&D Articles for Active Target Strength (TS) Processing development and Prototype T.S. Processor.

1292. FY11 added milestone for Concurrent Processing. Schedule updated to show milestones for FY12 and FY13.

9177. FY06 Congressional Plus-Ups now under 9999. All efforts previously reflected for FY06 have been removed.

Technical: Not Applicable.

EXHIBIT R-2a, RDT&E Project Justification						DATE: February 2007			
APPROPRIATION/BUDGET ACTIVITY RDT&E,N / BA-4		PROGRAM ELEMENT NUMBER AND NAME 0603254N, ASW SYSTEMS DEVELOPMENT			PROJECT NUMBER AND NAME 0490, PROJECT BEARTRAP				
COST (\$ in Millions)		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
0490 PROJECT BEARTRAP		3.750	3.828	3.605	3.807	3.611	2.318	2.337	2.458
RDT&E Articles Qty		12	10	3	2	4	3	3	3

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

0490. The mission of Project BEARTRAP (CNO Project K-0416) is to provide SPL quality recordings of targets of interest and an associated new technology, rapid prototyping mechanism for the application of state-of-the-art collection sensors. The program will develop and rapidly deploy new technology concepts in hardware and software to effectively address emerging littoral threats and to improve the present Undersea Warfare capability in support of Sea Shield/Sea Trial Initiatives. The BEARTRAP Environmental data collection program provides passive and active acoustic and non-acoustic data essential for the design and development of environmental models, sensors, weapons, software algorithms, and tactical decision aids. BEARTRAP employs developmental and prototypical hardware installed in uniquely configured ASW aircraft to collect data of interest, and specially configured ground support facilities to conduct reconstruction and analysis of this data. BEARTRAP includes calibrated recording systems, advanced detection and tracking systems, special sensors, advanced processing systems and techniques and specially derived operational tactics. The 40 RDT&E articles consist of aircraft calibration units, SPL collection suites, and post mission processors that will support the collection mission.

B. ACCOMPLISHMENTS / PLANNED PROGRAM:

Systems Engineering / Aircraft mods,
commence Active Acoustic program

	FY 2006	FY 2007	FY 2008	FY 2009
Accomplishments / Effort / Sub-total Cost	3.022	3.103	2.835	3.057
RDT&E Articles Qty	12	10	3	2

Systems Engineering: Integration of SPL Suite (Digital Recording), Post mission processor upgrade, and aircraft calibration unit enhancements for active target strength. Engineering development of Target Strength processing and prototype processor.

Data Collection and Analysis	FY 2006	FY 2007	FY 2008	FY 2009
Accomplishments / Effort / Sub-total Cost	.728	.725	.770	.750
RDT&E Articles Qty				

Data Collection support at Operational Wings. Ongoing collection of high interest acoustic and non-acoustic data in support of Measurement/Measuring and Signature Intelligence (MASINT)/Office of Naval Intelligence (ONI) threat assessment requirements, Reduction, Analysis and Fleet Rapid Feedback. Conduct airborne special operations support. Essential performance modeling and evaluation for advanced technology sensor systems design and Fleet tactics development.

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EXHIBIT R-2a, RDT&E Project Justification		DATE: February 2007
APPROPRIATION/BUDGET ACTIVITY RDT&E,N / BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603254N, ASW SYSTEMS DEVELOPMENT	PROJECT NUMBER AND NAME 0490, PROJECT BEARTRAP

C. OTHER PROGRAM FUNDING SUMMARY:

Line item No. and Name	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Cost
Related RDT&E										
(U) PE 0603747N (Advanced Undersea Warfare Technology)										
(U) PE 0604212N (ASW and Other Helicopter Developments)										
(U) PE 0604221N (P-3 Modernization Program)										
(U) PE 0604261N (Acoustic Search Sensors)										

D. ACQUISITION STRATEGY: BEARTRAP is a CNO Special Project. The included technology developments are primarily in-house with contractor participation through existing vehicles.

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Exhibit R-3 Cost Analysis (page 1)										DATE: February 2007		
APPROPRIATION/BUDGET ACTIVITY RDT&E,N / BA-4		PROGRAM ELEMENT 0603254N, ASW SYSTEMS DEVELOPMENT				PROJECT NUMBER AND NAME 0490, PROJECT BEARTRAP						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s 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
PRODUCT DEVELOPMENT												
Ancillary Hdw Development	VARIOUS	VARIOUS	2.599	.700	10/06	.770	10/07	.750	10/08	1.957	6.776	
Systems Engineering	WX	NAWCAD, PATUXENT RIVER MD	62.473	3.103	10/06	2.835	10/07	3.057	10/08	8.767	80.235	
SUBTOTAL PRODUCT DEVELOPMENT			65.072	3.803		3.605		3.807		10.724	87.011	

Remarks:

SUPPORT												
SUBTOTAL SUPPORT												

Remarks:

TEST & EVALUATION												
SUBTOTAL TEST & EVALUATION												

Remarks:

MANAGEMENT												
Travel	TO	NAVAIR HQ, PAXTUXENT RIVER MD	.070	.025	10/06						.095	
SUBTOTAL MANAGEMENT			.070	.025							.095	

Remarks:

Total Cost			65.142	3.828		3.605		3.807		10.724	87.106	
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Remarks:

EXHIBIT R4, Schedule Profile																							DATE:									
Data Collection and Analysis/ Prototype & Installation																							February 2007									
APPROPRIATION/BUDGET ACTIVITY										PROGRAM ELEMENT NUMBER AND NAME										PROJECT NUMBER AND NAME												
RDT&E,N / BA-4										0603254N, ASW SYSTEMS DEVELOPMENT										0490, PROJECT BEARTRAP												
Fiscal Year	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 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	1	2	3	4
Acquisition Milestones																																
Systems Engineering																																
P-3 Avionics Suite																																
HSL Suite																																
Tactical Acoustic Processor(TAPS)																																
T.S Processor Development/Prototype																																
Test & Evaluation Milestones																																
Production Milestones																																
Product Development																																
Data Collection/Analysis																																
Deliveries																																
P-3 Avionics																																
Tactical Acoustic Processor																																
T.S. Processor																																

EXHIBIT R-2a, RDT&E Project Justification						DATE: February 2007			
APPROPRIATION/BUDGET ACTIVITY RDT&E,N / BA-4		PROGRAM ELEMENT NUMBER AND NAME 0603254N, ASW SYSTEMS DEVELOPMENT			PROJECT NUMBER AND NAME 1292, ADV ASW SENSORS & PROC				
COST (\$ in Millions)		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
1292 ADV ASW SENSORS & PROC		3.172	3.029	3.287	10.485	10.300	10.322	10.510	10.731
RDT&E Articles Qty				100	350	350	350	350	350

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: This program provides Anti-submarine Warfare (ASW) platform effectiveness through development of advanced hardware and software associated with airborne acoustic systems. This includes sensors, processing, post-processing, data recording and display capabilities to address regional threat scenarios against conventional and nuclear powered submarines. Key objectives are platform accommodations of advanced active and passive sensors, improved detection, classification, localization, tracking, and increased capacity and accommodations to handle multi-sensor data loads. Programs being funded during the FYDP will investigate technologies such as: the exploitation of forward scatter, transient signals, and source and receiver improvement technologies that will enhance passive and Multi-Static Active Sensor Systems capabilities. Other programs being funded during the FYDP will provide for the development of technologies that will allow transition from the cued search phase to the localization and attack phase in the harsh shallow water areas, will allow for automation of concurrent active and passive processing, and make improvements in battery technology. In addition, the program will provide for the development and subsequent experimentation of Multi-Static Active (MSA) sources and receivers with the associated USQ-78B processor. The 1850 test articles, which consist of passive/active sensors and associated processors, will support at sea trials and experiments.

B. ACCOMPLISHMENTS / PLANNED PROGRAM:

Reassess loc/attack capabilities in shallow water

	FY 2006	FY 2007	FY 2008	FY 2009
Accomplishments / Effort / Sub - total Cost	3.172	3.029	3.287	10.485
RDT&E Articles Qty			100	350

Reassessing localization and attack capabilities in shallow water areas. System performance assessments for multi-static ASW algorithms and system enhancements. Field test assessment for forward scatter. System performance assessment for multi-static active source and receivers technologies.

EXHIBIT R-2a, RDT&E Project Justification		DATE: February 2007
APPROPRIATION/BUDGET ACTIVITY RDT&E,N / BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603254N, ASW SYSTEMS DEVELOPMENT	PROJECT NUMBER AND NAME 1292, ADV ASW SENSORS & PROC

C. OTHER PROGRAM FUNDING SUMMARY:

Line item No. and Name	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Cost
Related RDT&E										
(U) PE 0602314N (Undersea Surveillance and Weapons Technology)										
(U) PE 0604261N (Acoustic Search Sensors)										

D. ACQUISITION STRATEGY: The included technology developments are primarily in-house with contractor participation through existing vehicles.

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Exhibit R-3 Cost Analysis (page 1)										DATE: February 2007		
APPROPRIATION/BUDGET ACTIVITY RDT&E,N / BA-4		PROGRAM ELEMENT 0603254N, ASW SYSTEMS DEVELOPMENT				PROJECT NUMBER AND NAME 1292, ADV ASW SENSORS & PROC						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s 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
PRODUCT DEVELOPMENT												
Primary Hardware Development	TBD	TBD						.500	10/08	1.450	1.950	1.950
SUBTOTAL PRODUCT DEVELOPMENT								.500		1.450	1.950	

Remarks:

SUPPORT												
Software Development	WX	NAWCAD, PATUXENT RIVER MD		.500	10/06	.500	10/07	2.000	10/08	9.806	12.806	
Studies & Analyses	WX	NAWCAD, PATUXENT RIVER MD						4.582	10/08	17.405	21.987	
Studies & Analyses	VARIOUS	VARIOUS	.500								.500	.500
SUBTOTAL SUPPORT			.500	.500		.500		6.582		27.211	35.293	

Remarks:

TEST & EVALUATION												
Dev Test & Eval	VARIOUS	VARIOUS	13.481	.500	10/06	.450	10/07	1.000	10/08	3.250	18.681	18.681
SUBTOTAL TEST & EVALUATION			13.481	.500		.450		1.000		3.250	18.681	

Remarks:

MANAGEMENT												
Contractor Engineering Support	VARIOUS	VARIOUS	5.276	.060	10/06						5.336	5.336
Gov Eng Support	WX	NAWCAD, PATUXENT RIVER MD	40.760	1.509	10/06	1.953	10/07	1.288	10/08	5.371	50.881	
Program Management Support (Co	VARIOUS	VARIOUS	2.072	.220	10/06	.100	10/07	.312	10/08	1.278	3.982	3.982
Program Management Support (Gd	WX	NAWCAD, PATUXENT RIVER MD	7.191	.230	10/06	.234	10/07	.728	10/08	2.983	11.366	
Travel	TO	NAVAIR HQ, PAXTUXENT RIVER MD	.020	.010	10/06	.050	10/07	.075	10/08	.320	.475	
SUBTOTAL MANAGEMENT			55.319	2.029		2.337		2.403		9.952	72.040	

Remarks:

Total Cost			69.300	3.029		3.287		10.485		41.863	127.964	
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Remarks:

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CLASSIFICATION:

EXHIBIT R4, Schedule Profile																							DATE:									
ADVANCED DICASS																							February 2007									
APPROPRIATION/BUDGET ACTIVITY										PROGRAM ELEMENT NUMBER AND NAME										PROJECT NUMBER AND NAME												
RDT&E,N / BA-4										0603254N, ASW SYSTEMS DEVELOPMENT										1292, ADV ASW SENSORS & PROC												
Fiscal Year	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 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	1	2	3	4
Acquisition Milestones																																
Performance Assessment					▲	Coherent sound						△	△	Multi-Static Target Recognition							△	Concurrent Processing							△	Battery Technology		
System Development																																
Transition Decision					▲	Localization & Attack						△	△	Coherent sound processing							△	Multi-Static Target Recognition							△	Concurrent Processing		
Software Experiment/Exercise Participation																	△															
Test & Evaluation Milestones																																
Development Test																																
Operational Test																																
Production Milestones																																
LRIP I FY 05																																
LRIP II FY 06																																
FRP FY07																																
Deliveries																																

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EXHIBIT R-2a, RDT&E Project Justification						DATE: February 2007			
APPROPRIATION/BUDGET ACTIVITY RDT&E,N / BA-4		PROGRAM ELEMENT NUMBER AND NAME 0603254N, ASW SYSTEMS DEVELOPMENT			PROJECT NUMBER AND NAME 9177, LASH ASW				
COST (\$ in Millions)		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
9177 LASH ASW			9.862	9.814	14.812				
RDT&E Articles Qty			2	2	4				

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: Planned Navy funding for FY 07-09 will support development, integration, and testing of the Electro-optical Passive ASW System (EPAS) and deliver 8 fieldable prototype systems to demonstrate a 24-hour air ASW capability for fixed wing, helicopter, and UAV ASW platforms in multiple geographic locations and seasonal variations.
 Note: Change in process with OPNAV to re-name 9177 EPAS.

B. ACCOMPLISHMENTS / PLANNED PROGRAM:

Complete Development / Demo of EPAS Turret	FY 2006	FY 2007	FY 2008	FY 2009
Accomplishments / Effort / Sub-total Cost		9.862	9.814	14.812
RDT&E Articles Qty		2	2	4

This effort supports improvement in AIR ASW capability. Complete EPAS turret for demonstration of the EPAS ASW technology. Planned Navy funding for FY07-FY09 will continue demonstration of the EPAS technology.

C. OTHER PROGRAM FUNDING SUMMARY:

Line item No. and Name	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Cost
Related RDT&E										
(U) PE 0602314N (Undersea Surveillance and Weapons Technology)										
(U) PE 0604261N (Acoustic Search Sensors)										

D. ACQUISITION STRATEGY: Sole source modification to the existing contract with BAE to add Navy funded system demonstration.

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Exhibit R-3 Cost Analysis (page 1)										DATE: February 2007		
APPROPRIATION/BUDGET ACTIVITY RDT&E,N / BA-4		PROGRAM ELEMENT 0603254N, ASW SYSTEMS DEVELOPMENT				PROJECT NUMBER AND NAME 9177, LASH ASW						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s 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
PRODUCT DEVELOPMENT												
Primary Hdw Development	C-CPFF	BAE SYSTEMS CONTROLS INC., JOHNSON	3.300	7.500	12/06	7.500	12/07	9.500	12/08		27.800	27.800
SUBTOTAL PRODUCT DEVELOPMENT			3.300	7.500		7.500		9.500			27.800	

Remarks:

SUPPORT												
SUBTOTAL SUPPORT												

Remarks:

TEST & EVALUATION												
Dev Test & Eval	VARIOUS	VARIOUS		1.569	11/06	1.382	11/07	4.308	11/08		7.259	
SUBTOTAL TEST & EVALUATION				1.569		1.382		4.308			7.259	

Remarks:

MANAGEMENT												
Government Engineering Support	WX	NAWCAD, PATUXENT RIVER MD	.616	.563	11/06	.666	11/07	.732	11/08		2.577	
Program Management Support (C)	VARIOUS	VARIOUS	3.615	.200	11/06	.206	11/07	.208	11/08		4.229	4.229
Travel	TO	NAVAIR HQ, PAXTUXENT RIVER MD		.030		.060		.064			.154	
SUBTOTAL MANAGEMENT			4.231	.793		.932		1.004			6.960	

Remarks:

Total Cost			7.531	9.862		9.814		14.812			42.019	
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Remarks: Total PY Cost includes FY04 and FY05 Congressional Adds.

CLASSIFICATION: UNCLASSIFIED

EXHIBIT R4, Schedule Profile

LASH/EPAS

DATE:

February 2007

APPROPRIATION/BUDGET ACTIVITY

PROGRAM ELEMENT NUMBER AND NAME

PROJECT NUMBER AND NAME

RDT&E, N / BA-4

0603254N, LASH ASW SYSTEMS DEVELOPMENT

9177, LASH ASW

Fiscal Year	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 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	1	2	3	4
Acquisition Milestones					LASH/EPAS is a Technology Development Non-ACAT Program																											
Program Decisions					▲ Navy POM08 Decision																											
EPAS Test & Evaluation					Field Testing (Development) ■ Flight Testing on Commercial Bell Ranger Flight Testing on P-3C and SH-60B Fleet Aircraft																											
EPAS Fieldable Prototype Procurements					▲ Procurement of 2 EPAS Systems ▲ Procurement of 2 EPAS Systems ▲ Procurement of 4 EPAS Systems																											
EPAS Fieldable Prototype Deliveries					▲ EPAS-1 ▲ EPAS-2 ▲ EPAS-3 ▲ EPAS-4 ▲ EPAS-5 ▲ EPAS-6 ▲ EPAS-7 ▲ EPAS-8																											

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EXHIBIT R-2a, RDT&E Project Justification						DATE: February 2007			
APPROPRIATION/BUDGET ACTIVITY RDT&E,N / BA-4		PROGRAM ELEMENT NUMBER AND NAME 0603254N, ASW SYSTEMS DEVELOPMENT			PROJECT NUMBER AND NAME 9999, Congressional Adds				
COST (\$ in Millions)		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
9999 Congressional Adds		13.623	8.618						
RDT&E Articles Qty - N/A									

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

9999. Congressional Adds.

B. ACCOMPLISHMENTS / PLANNED PROGRAM:

9177C	FY 2006	FY 2007	FY 2008	FY 2009
Accomplishments / Effort / Sub-total Cost	9.221	6.675		
RDT&E Articles Qty				

Electro-optic Passive ASW (EPAS). Continue development, demonstration, and evaluation of EPAS technology for ASW applications. This effort supports improvement in Air ASW capability.

9512C	FY 2006	FY 2007	FY 2008	FY 2009
Accomplishments / Effort / Sub-total Cost	3.444	1.943		
RDT&E Articles Qty				

Tactical E-Field Buoy Development. Continue development and testing of an air deployable tactical electric field buoy system to detect the electric field (E-Field) signal produced by a submarine.

9746N	FY 2006	FY 2007	FY 2008	FY 2009
Accomplishments / Effort / Sub-total Cost	.958			
RDT&E Articles Qty				

Lithium Battery Sonobuoy Packs. Congressional Plus Up transferred to NAVSEA funding line.