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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Navy **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>				PE 0603254N: <i>ASW Systems Development</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	25.144	8.249	7.915	-	7.915	8.125	8.268	8.472	8.556	Continuing	Continuing
0490: <i>Airborne Acoustic Intelligence (AAI)</i>	3.479	-	-	-	-	-	-	-	-	0.000	3.479
1292: <i>Adv ASW Sensors & Proc</i>	9.771	5.739	5.454	-	5.454	5.669	5.819	6.019	6.080	Continuing	Continuing
3222: <i>Advanced High Altitude ASW</i>	2.837	2.510	2.461	-	2.461	2.456	2.449	2.453	2.476	Continuing	Continuing
9999: <i>Congressional Adds</i>	9.057	-	-	-	-	-	-	-	-	0.000	9.057

A. Mission Description and Budget Item Justification

Includes RDT&E funds for advanced development and developmental testing of airborne anti-submarine warfare (ASW) systems, including aircraft, equipment, and devices for use against all types of submarine targets; and advanced, high-performance, underwater, mobile target for use in fleet ASW training exercises and for the operational evaluation of the MK-30 torpedo and the MK-48 torpedo weapons system improvement program; and Project BEARTRAP. Definition of Project BEARTRAP is classified.

Excludes civilian and military manpower and their related costs and military construction cost which are included in appropriated management and support elements in this program. Project 0490 moved to new Military Intelligence Program (MIP) Program Element (0303354N) in FY 2011 and beyond.

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	25.553	8.249	8.438	-	8.438
Current President's Budget	25.144	8.249	7.915	-	7.915
Total Adjustments	-0.409	-	-0.523	-	-0.523
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.083	-			
• Program Adjustments	-	-	-0.442	-	-0.442
• Section 219 Reprogramming	-0.318	-	-	-	-
• Rate/Misc Adjustments	-	-	-0.081	-	-0.081
• Congressional General Reductions Adjustments	-0.008	-	-	-	-

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603254N: <i>ASW Systems Development</i>
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Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: 9999: *Congressional Adds*

- Congressional Add: *Air Readiness/Effectiveness Measurement Program*
- Congressional Add: *Marine Mammal Detection System*
- Congressional Add: *Marine Species Mitigation*
- Congressional Add: *Marine Mammal Alert System*
- Congressional Add: *Sonobouy Wave-Energy Module*

Congressional Add Subtotals for Project: 9999

Congressional Add Totals for all Projects

	FY 2010	FY 2011
	1.593	-
	1.992	-
	2.285	-
	2.390	-
	0.797	-
Congressional Add Subtotals for Project: 9999	9.057	-
Congressional Add Totals for all Projects	9.057	-

Change Summary Explanation

Technical: Not applicable.

Schedule:

3222. The OPNAV (N882C1C) sponsor focused the initial study for the Analysis of Alternatives (AoA) for the implementation of the High Altitude ASW mission on the P-8A aircraft. This project focus is for studies and analyses of capabilities to better perform the High Altitude mission on the P-8A Aircraft vice the complete development of a specific capability. As a result, the following schedule changes were made. Precision Placement statement removed. Choose system concepts for Technology Demos removed from 1Q/11. HW/SW Product Development removed from 2Q/11 thru 4Q/15. Experimentation and Technology Demos removed from 4Q/11 thru 1Q/15. Transition Decisions removed from 3Q/15. Deliveries removed from 4Q/12, 4Q/13 and 4Q/14. Trade studies will continue from 2Q/13 thru 4Q/16.

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>				R-1 ITEM NOMENCLATURE PE 0603254N: <i>ASW Systems Development</i>				PROJECT 0490: <i>Airborne Acoustic Intelligence (AAI)</i>			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
0490: <i>Airborne Acoustic Intelligence (AAI)</i>	3.479	-	-	-	-	-	-	-	-	0.000	3.479
Quantity of RDT&E Articles	2	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The mission of Airborne Acoustic Intelligence (AAI), Chief of Naval Operations (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. AAI also provides a measurement analysis capability to reconstruct, analyze and develop active target strength measurement validation. The AAI 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. AAI 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. AAI includes calibrated recording systems, advanced detection and tracking systems, special sensors, advanced processing systems and techniques and specially derived operational tactics. The 2 RDT&E articles consist of aircraft calibration units, SPL collection suites, and post mission processors that will support the collection mission.

Military Intelligence Program (MIP) funding previously contained in this PE and Project, moved to a new Program Element (0303354N) in FY 2011 and beyond for enhanced MIP tracking.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2010	FY 2011	FY 2012
Title: Systems Engineering / Aircraft Mods Active Acoustic Program	2.329	-	-
Articles:	2		
FY 2010 Accomplishments: Engineering supported SPL Recording. Post mission processor upgrade and engineering supported aircraft calibration unit enhancements for active target strength. Engineering development of Target Strength processing will continue, however, the prototype processor is on hold due to funding reprioritization.			
Title: Data Collection and Analysis	0.750	-	-
Articles:	0		
FY 2010 Accomplishments: Data collection was supported at Operational Wings. Collection of high interest acoustic and non-acoustic data supported Measurement/Measuring and Signature Intelligence (MASINT)/Office of Naval Intelligence (ONI) threat assessment requirements.			

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603254N: <i>ASW Systems Development</i>	PROJECT 0490: <i>Airborne Acoustic Intelligence (AAI)</i>		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
Reduction, Analysis and Fleet Rapid Feedback. Conducted airborne special operations support. Essential performance modeling and evaluation for advanced technology sensor systems design and Fleet tactics development.				
Title: Active Measurement Validation				
FY 2010 Accomplishments: Active Measurement Validation of targets of interest. Provided the acoustic analysis of echo characterization (which includes: signal excess (SE) measurements, peak frequency (PF), trend analysis and pulse duration measurements) and target strength.		Articles: 0.400 0	-	-
Accomplishments/Planned Programs Subtotals		3.479	-	-
C. Other Program Funding Summary (\$ in Millions) N/A				
D. Acquisition Strategy AAI is a CNO Special Project (K-0146). The included technology developments are primarily in-house with contractor participation through existing vehicles.				
E. Performance Metrics Continued engineering to support SPL recording. Continue data collection support at operation wings. Continued Active Measurement validation of targets of interest.				

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603254N: <i>ASW Systems Development</i>	PROJECT 1292: <i>Adv ASW Sensors & Proc</i>
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COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
1292: <i>Adv ASW Sensors & Proc</i>	9.771	5.739	5.454	-	5.454	5.669	5.819	6.019	6.080	Continuing	Continuing
Quantity of RDT&E Articles	300	100	100	0	100	100	100	100	100		

A. Mission Description and Budget Item Justification

This program provides Air Anti-Submarine Warfare (ASW) platform effectiveness through development of advanced hardware and software associated with airborne acoustic and non-acoustic systems. This includes sensors, processing, post-processing, data recording and display capabilities to address regional threat scenarios against surfaced or submerged 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: Over the Horizon (OTH) Communications, Distributed Netted Sensors, 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 persistent tactical search technologies that will allow transition to the localization and attack phase in all operationally relevant environments. In addition, the program will provide for the development and subsequent experimentation, including data collection and engineering measurement, of Multi-static Active Coherent (MAC) sources and receivers, laser technologies, electro-optical and Multi-Spectral camera technologies, Radar, and Magnetic Anomaly Detection sensors. The test articles, which consist of passive/active sensors and associated processors, will support at-sea trials and experiments.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2010	FY 2011	FY 2012
Title: System performance assessments	9.771	5.739	5.454
Articles:	300	100	100
FY 2010 Accomplishments: Performed system performance assessments for Multi-Static Active (Coherent) ASW algorithms and other Acoustic and Non-Acoustic system enhancements. The test articles, which consist of passive/active sensors and associated processors, supported at-sea trial and experiments.			
FY 2011 Plans: System performance assessments for Multi-Static Active (Coherent) ASW algorithms and other Acoustic and Non-Acoustic system enhancements. The test articles, which consist of passive/active sensors and associated processors, will support at-sea trial and experiments.			
FY 2012 Plans: System performance assessments for Multi-Static Active (Coherent) ASW algorithms and other Acoustic and Non-Acoustic system enhancements. The test articles, which consist of passive/active sensors and associated processors, will support at-sea trial and experiments.			
Accomplishments/Planned Programs Subtotals	9.771	5.739	5.454

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603254N: <i>ASW Systems Development</i>	PROJECT 1292: <i>Adv ASW Sensors & Proc</i>

C. Other Program Funding Summary (\$ in Millions)

N/A

D. Acquisition Strategy

The included technology development are primarily in-house with contractor participation through existing vehicles.

E. Performance Metrics

Perform system assessments for MAC ASW algorithms and other Acoustic and Non-Acoustic system enhancements.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603254N: <i>ASW Systems Development</i>	PROJECT 1292: <i>Adv ASW Sensors & Proc</i>
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Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Hdw Development	Various	VARIOUS:VARIOUS	0.516	0.400	Nov 2010	0.400	Dec 2011	-		0.400	1.350	2.666	2.666
Subtotal			0.516	0.400		0.400		-		0.400	1.350	2.666	2.666

Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Development	WR	NAWCAD:PATUXENT RIVER, MD	3.425	-		-		-		-	0.000	3.425	
Studies & Analysis	WR	NAWCAD:PATUXENT RIVER, MD	5.181	-		-		-		-	6.525	11.706	
Subtotal			8.606	-		-		-		-	6.525	15.131	

Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Dev Test & Eval	Various	VARIOUS:VARIOUS	14.931	0.750	Nov 2010	0.500	Dec 2011	-		0.500	0.000	16.181	16.181
Subtotal			14.931	0.750		0.500		-		0.500	0.000	16.181	16.181

Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor Eng Spt	Various	VARIOUS:VARIOUS	10.930	3.308	Nov 2010	3.327	Dec 2011	-		3.327	8.895	26.460	26.460
ENG & TECH SVCS (NON-FFRDC)	Various	VARIOUS:VARIOUS	2.582	0.100	Nov 2010	0.100	Dec 2011	-		0.100	1.316	4.098	4.098
MGT & PROF SVCS (FFRDC)	Various	VARIOUS:VARIOUS	0.202	0.214	Nov 2010	0.214	Dec 2011	-		0.214	0.800	1.430	1.430
Government Eng Spt	WR	NAWCAD:PATUXENT RIVER, MD	54.832	0.892	Nov 2010	0.847	Dec 2011	-		0.847	4.376	60.947	

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603254N: <i>ASW Systems Development</i>	PROJECT 1292: <i>Adv ASW Sensors & Proc</i>

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Navy **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603254N: <i>ASW Systems Development</i>	PROJECT 1292: <i>Adv ASW Sensors & Proc</i>
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj: 1292 - Adv ASW Sensors & Processors				
Performance Assessment: Multi-Static Target Recognition	1	2010	4	2010
Performance Assessment: Concurrent Processing/Battery Technology	1	2011	4	2012
Performance Assessment: Distributed Netted Sensors	1	2013	4	2014
Performance Assessment: OTH Communications	1	2010	4	2011
Performance Assessment: Engineering Measurement	1	2012	4	2016
Transition Decision: Multi-Static Target Recognition	4	2010	4	2010
Transition Decision: OTH Communications	4	2011	4	2011
Transition Decision: Concurrent Processing/Battery Technology	4	2012	4	2012
Transition Decision: Distributed Netted Sensors	4	2014	4	2014
Software: Software Development	1	2010	4	2016
Experiment/Exercise Participation: Experiment/Exercise Participation	1	2010	4	2016
Deliveries: Deliveries (1)	1	2010	1	2010
Deliveries: Deliveries (2)	1	2011	1	2011
Deliveries: Deliveries (3)	1	2012	1	2012
Deliveries: Deliveries (4)	1	2013	1	2013
Deliveries: Deliveries (5)	1	2014	1	2014
Deliveries: Deliveries (6)	1	2015	1	2015
Deliveries: Deliveries (7)	1	2016	1	2016

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COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
3222: <i>Advanced High Altitude ASW</i>	2.837	2.510	2.461	-	2.461	2.456	2.449	2.453	2.476	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

Advanced High Altitude Anti-Submarine Warfare (AHAASW) program performs studies and analyses to better perform the ASW mission on the P-8A aircraft. The P-8A aircraft, a commercial derivative Boeing 737 airframe, operates most efficiently at high altitudes. These studies are to explore technologies, which may lead to additional high altitude ASW capabilities. The Analysis of Alternatives (AoA) effort is the first study for the implementation of High Altitude ASW on a P-8A aircraft.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2010	FY 2011	FY 2012
Title: Provide precision delivery of sonobuoys	2.837	2.510	2.461
Articles:	0	0	0
FY 2010 Accomplishments: AHAASW contributed resources to support an initial Effectiveness and Suitability Study and AoA currently in progress by NAVAIR (AIR-4.10) for the implementation of High Altitude Anti-Submarine Warfare (HAASW) on the P-8A aircraft.			
FY 2011 Plans: FY11 efforts are planned to be a continuation of support to the AHAASW and HAASW AoA initiated in FY10. In addition, it is planned to initiate a Technology Development Strategy (TDS) and fund initiation of additional studies for the execution of ASW at High Altitude.			
FY 2012 Plans: FY12 is scheduled to complete the AHAASW AoA and TDS and other studies initiated in FY11.			
Accomplishments/Planned Programs Subtotals	2.837	2.510	2.461

C. Other Program Funding Summary (\$ in Millions)

N/A

D. Acquisition Strategy

Develop modifications to incorporate capability into current sonobuoy sensors and integration into P-8A as the lead aircraft.

E. Performance Metrics

Perform Analysis of Alternatives (AoA) for the Advanced HAASW program.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603254N: <i>ASW Systems Development</i>	PROJECT 3222: <i>Advanced High Altitude ASW</i>
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Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Hdw Development	Various	VARIOUS:VARIOUS	-	1.370	Feb 2011	-		-		-	0.000	1.370	1.370
A/C HW/SW Integration	Various	VARIOUS:VARIOUS	-	-		-		-		-	0.600	0.600	0.600
Subtotal			-	1.370		-		-		-	0.600	1.970	1.970

Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Documentation	Various	VARIOUS:VARIOUS	-	-		-		-		-	0.500	0.500	0.500
Studies & Analysis	WR	NAWCAD: PATUXENT RIVER, MD	0.700	0.150	Nov 2010	0.100	Nov 2011	-		0.100	0.200	1.150	
Studies & Analysis	Various	VARIOUS:VARIOUS	0.765	0.300	Nov 2010	1.245	Nov 2011	-		1.245	3.051	5.361	5.361
Subtotal			1.465	0.450		1.345		-		1.345	3.751	7.011	

Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Field Tests	WR	NAWCAD: PATUXENT RIVER, MD	-	0.050	Aug 2011	0.100	Nov 2011	-		0.100	0.150	0.300	
Field Tests	Various	VARIOUS:VARIOUS	-	-		-		-		-	0.500	0.500	0.500
Subtotal			-	0.050		0.100		-		0.100	0.650	0.800	

Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor Eng Spt	Various	VARIOUS:VARIOUS	0.150	0.050	Nov 2010	0.385	Nov 2011	-		0.385	0.950	1.535	1.535
ENG & TECH SVCS (NON-FFRDC)	Various	VARIOUS:VARIOUS	0.150	0.080	Nov 2010	0.150	Nov 2011	-		0.150	0.421	0.801	0.801

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603254N: <i>ASW Systems Development</i>	PROJECT 3222: <i>Advanced High Altitude ASW</i>

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Navy		DATE: February 2011
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Proj: 3222 Advanced High Altitude ASW</i>				
Contract Awards: Study Contract	1	2010	1	2010
Contract Awards: Technology Development Contract	2	2011	2	2011
Trade Studies: Trade Studies	1	2010	4	2016

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY			R-1 ITEM NOMENCLATURE				PROJECT				
1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>			PE 0603254N: <i>ASW Systems Development</i>				9999: <i>Congressional Adds</i>				
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
9999: <i>Congressional Adds</i>	9.057	-	-	-	-	-	-	-	-	0.000	9.057
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

9999. Congressional Adds.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2010	FY 2011
Congressional Add: Air Readiness/Effectiveness Measurement Program	1.593	-
FY 2010 Accomplishments: 10C091: Conducted an Air Readiness/Effectiveness Measurement (AIREM) effort, enabling platforms to more effectively counter the current submarine threat.		
Congressional Add: Marine Mammal Detection System	1.992	-
FY 2010 Accomplishments: 10C092: Developed aircraft Intelligence, Surveillance, and Reconnaissance (ISR) systems and acoustics optimized for detecting and tracking marine mammals.		
Congressional Add: Marine Species Mitigation	2.285	-
FY 2010 Accomplishments: 10C093: Deployed acoustic arrays in the pending Shallow Water Test Range planned for construction off the Atlantic coast of Florida.		
Congressional Add: Marine Mammal Alert System	2.390	-
FY 2010 Accomplishments: 9B53A: Marine Mammal Awareness & Alert Response System (MMAARS). Supported concept development for demonstration of systems to link airborne sensor data with databases to help predict low risk zones for Airborne ASW testing and training.		
Congressional Add: Sonobouy Wave-Energy Module	0.797	-
FY 2010 Accomplishments: 9D18A: Sonobuoy Wave-Energy Module. Supported the development of a wave-energy module to harvest energy from ocean waves to replace or supplement sonobuoy batteries to extend the life of ocean sensing sonobuoy systems.		
Congressional Adds Subtotals	9.057	-

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603254N: <i>ASW Systems Development</i>	PROJECT 9999: <i>Congressional Adds</i>

C. Other Program Funding Summary (\$ in Millions)

N/A

D. Acquisition Strategy

Not required for Congressional Adds.

E. Performance Metrics

Not required for Congressional Adds.