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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy **DATE:** April 2013

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)	All Prior Years	FY 2012	FY 2013[#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	103.171	7.610	8.090	7.964	-	7.964	8.141	8.195	8.392	8.490	Continuing	Continuing
1292: <i>Adv ASW Sensors & Proc</i>	97.984	5.239	5.648	5.601	-	5.601	5.778	5.818	5.962	6.039	Continuing	Continuing
3222: <i>Advanced High Altitude ASW</i>	5.187	2.371	2.442	2.363	-	2.363	2.363	2.377	2.430	2.451	Continuing	Continuing

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

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.

JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES because it includes all efforts necessary to evaluate integrated technologies, representative models or prototype systems in a high fidelity and realistic operating environment.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014 Base</u>	<u>FY 2014 OCO</u>	<u>FY 2014 Total</u>
Previous President's Budget	7.896	8.090	8.047	-	8.047
Current President's Budget	7.610	8.090	7.964	-	7.964
Total Adjustments	-0.286	0.000	-0.083	-	-0.083
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.057	0.000			
• SBIR/STTR Transfer	-0.229	0.000			
• Program Adjustments	0.000	0.000	-0.010	-	-0.010
• Rate/Misc Adjustments	0.000	0.000	-0.073	-	-0.073

Change Summary Explanation

Technical: Not applicable.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy		DATE: April 2013
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>
Schedule: Not applicable.		

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy									DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 ITEM NOMENCLATURE PE 0603254N: ASW Systems Development				PROJECT 1292: Adv ASW Sensors & Proc			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
1292: Adv ASW Sensors & Proc	97.984	5.239	5.648	5.601	-	5.601	5.778	5.818	5.962	6.039	Continuing	Continuing
Quantity of RDT&E Articles	0	100	100	100		100	100	100	100	100		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
This program provides Air Anti-Submarine Warfare (ASW) platform effectiveness through development and maturization of advanced hardware and software associated with airborne acoustic and non-acoustic systems. This includes sensors and components, 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 and components, 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 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 and maturization 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 sources and receivers, laser technologies, electro-optical and Multi-Spectral camera technologies, Radar, and Magnetic Anomaly Detection sensors. Those technologies that are deemed mature and provide increased operational capability will be approved for a production advanced processing build. The test articles, which consist of passive/active sensors/components and associated processors, will support at-sea trials and experiments.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: System performance assessments									5.239	5.648	5.601	
									Articles: 100	100	100	
FY 2012 Accomplishments: System performance assessments for Multi-Static Active Coherent Anti-Submarine Warfare (ASW) algorithms and other Acoustic and Non-Acoustic system enhancements. The test articles, which consist of passive/active sensors/components and associated processors, will support at-sea trial and experiments.												
FY 2013 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/components and associated processors, will support at-sea trial and experiments.												
FY 2014 Plans:												

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013	
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>
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
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/components and associated processors, will support at-sea trial and experiments. Develop prototype software development for use in at-sea experiment/exercise participation and data collection. Gather data analysis on engineering measurement program on Science and Technology, Research and Development and operational fleet collected data.			
Accomplishments/Planned Programs Subtotals		5.239	5.648
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy The included technology development are primarily in-house with contractor participation through existing vehicles.			
E. Performance Metrics System performance assessments for Multi-Static Active Coherent Air Anti-Submarine Warfare (ASW) algorithms and other Acoustic and Non-Acoustic system enhancements by Air ASW Technology Assessment Board.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)						R-1 ITEM NOMENCLATURE PE 0603254N: ASW Systems Development						PROJECT 1292: Adv ASW Sensors & Proc			
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	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	0.930	0.400	Dec 2011	0.403	Dec 2012	0.204	Dec 2013	-		0.204	Continuing	Continuing	Continuing
Subtotal			0.930	0.400		0.403		0.204		0.000		0.204			
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	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		0.000		0.400	Dec 2013	-		0.400	0.000	3.825	
Studies & Analysis	WR	NAWCAD: PATUXENT RIVER, MD	5.181	0.000		0.300	Dec 2012	0.400	Dec 2013	-		0.400	Continuing	Continuing	Continuing
Subtotal			8.606	0.000		0.300		0.800		0.000		0.800			
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	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	15.681	0.500	Dec 2011	0.700	Dec 2012	0.350	Dec 2013	-		0.350	Continuing	Continuing	Continuing
Subtotal			15.681	0.500		0.700		0.350		0.000		0.350			
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	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	12.372	3.327	Dec 2011	1.558	Dec 2012	1.334	Dec 2013	-		1.334	Continuing	Continuing	Continuing
ENG & TECH SVCS (NON-FFRDC)	Various	VARIOUS:VARIOUS	2.582	0.100	Dec 2011	0.070	Dec 2012	0.050	Dec 2013	-		0.050	Continuing	Continuing	Continuing
MGT & PROF SVCS (FFRDC)	Various	VARIOUS:VARIOUS	0.421	0.195	Dec 2011	0.300	Dec 2012	0.171	Dec 2013	-		0.171	Continuing	Continuing	Continuing

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013		
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>				

Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Eng Spt	WR	NAWCAD:PATUXENT RIVER, MD	57.338	0.651	Dec 2011	2.310	Dec 2012	2.687	Dec 2013	-		2.687	Continuing	Continuing	Continuing
Travel	Various	VARIOUS:VARIOUS	0.054	0.066	Dec 2011	0.007	Dec 2012	0.005	Dec 2013	-		0.005	Continuing	Continuing	Continuing
Subtotal			72.767	4.339		4.245		4.247		0.000		4.247			

	All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	97.984	5.239		5.648		5.601		0.000		5.601			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

1319: Research, Development, Test & Evaluation, Navy
BA 4: Advanced Component Development & Prototypes (ACD&P)

R-1 ITEM NOMENCLATURE

PE 0603254N: ASW Systems Development

PROJECT

1292: Adv ASW Sensors & Proc

Proj: 1292 - Adv ASW Sensors & Processors	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018					
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q		
Performance Assessment																														
	Concurrent Proc/Battery Tech				Distributed Netted Sensors								Continuous Active Sonar																	
					Engineering Measurement																									
																					In-Buoy Processing									
Transition Decision				Concurrent Proc/Battery Tech ◆									Distributed Netted Sensors ◆								Continuous Active Sonar ◆							In-Buoy Processing ◆		
Software																														
	Software Development																													
Experiment/Exercise Participation																														
	Experiment/Exercise Participation																													
Deliveries																														
Test Articles	100 ▼				100 ▼				100 ▼				100 ▼				100 ▼				100 ▼				100 ▼		100 ▼			

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013
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>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj: 1292 - Adv ASW Sensors & Processors				
Performance Assessment: Concurrent Processing/Battery Technology	1	2012	4	2012
Performance Assessment: Distributed Netted Sensors	1	2013	4	2014
Performance Assessment: Continuous Active Sonar	1	2015	4	2016
Performance Assessment: Engineering Measurement	1	2012	4	2018
Performance Assessment: In-Buoy Processing	1	2017	4	2018
Transition Decision: Concurrent Processing/Battery Technology	4	2012	4	2012
Transition Decision: Distributed Netted Sensors	4	2014	4	2014
Transition Decision: Continuous Active Sonar	4	2016	4	2016
Transition Decision: In-Buoy Processing	4	2018	4	2018
Software: Software Development	1	2012	4	2018
Experiment/Exercise Participation: Experiment/Exercise Participation	1	2012	4	2018
Deliveries: Test Articles: Test Article Deliveries (1)	1	2012	1	2012
Deliveries: Test Articles: Test Article Deliveries (2)	1	2013	1	2013
Deliveries: Test Articles: Test Article Deliveries (3)	1	2014	1	2014
Deliveries: Test Articles: Test Article Deliveries (4)	1	2015	1	2015
Deliveries: Test Articles: Test Article Deliveries (5)	1	2016	1	2016
Deliveries: Test Articles: Test Article Deliveries (6)	1	2017	1	2017
Deliveries: Test Articles: Test Article Deliveries (7)	1	2018	1	2018

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy										DATE: April 2013		
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>			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013[#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
3222: <i>Advanced High Altitude ASW</i>	5.187	2.371	2.442	2.363	-	2.363	2.363	2.377	2.430	2.451	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012 ^{##} The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
Advanced High Altitude Anti-Submarine Warfare (HAASW) program performs studies and analyses to better perform the Air Anti-Submarine Warfare (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.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2012	FY 2013	FY 2014
Title: Provide precision delivery of sonobuoys										2.371	2.442	2.363
Articles:										0	0	0
FY 2012 Accomplishments: FY12 is scheduled to perform studies, analyses and early prototyping of acoustic and non-acoustic technologies suitable for High Altitude ASW operations for the P-8A aircraft.												
FY 2013 Plans: FY13 is scheduled to perform studies, analyses and early prototyping of acoustic and non-acoustic technologies suitable for High Altitude ASW operations for the P-8A aircraft.												
FY 2014 Plans: FY13 is scheduled to perform studies, analyses and early prototyping of acoustic and non-acoustic technologies suitable for High Altitude ASW operations for the P-8A aircraft.												
Accomplishments/Planned Programs Subtotals										2.371	2.442	2.363
C. Other Program Funding Summary (\$ in Millions)												
N/A												
Remarks												

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013
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>
D. Acquisition Strategy Develop modifications to incorporate capability into current sonobuoy sensors and integration into Air ASW platforms, P-8A as the lead aircraft.		
E. Performance Metrics Perform Studies and Analysis to better define Advanced HAASW program needs. Early prototypes will be developed to reduce risk for ASW operations at high altitudes by the P-8A aircraft.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)						R-1 ITEM NOMENCLATURE PE 0603254N: ASW Systems Development				PROJECT 3222: Advanced High Altitude ASW					
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Prior years Hdw Dev cost no longer funded in the FYDP	Various	VARIOUS:VARIOUS	1.370	0.000		0.000		0.000		-		0.000	0.000	1.370	
Subtotal			1.370	0.000		0.000		0.000		0.000		0.000	0.000	1.370	
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Studies & Analysis	WR	NAWCAD:PATUXENT RIVER, MD	1.150	0.100	Nov 2011	0.200	Nov 2012	0.293	Nov 2013	-		0.293	Continuing	Continuing	Continuing
Studies & Analysis	Various	AVIATION SYSTEMS ENGINEERING COMPANY INC:LEXINGTON PARK, MD	1.065	1.245	Nov 2011	1.526	Nov 2012	1.500	Nov 2013	-		1.500	Continuing	Continuing	Continuing
Subtotal			2.215	1.345		1.726		1.793		0.000		1.793			
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	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	0.100	Nov 2011	0.080	Nov 2012	0.000		-		0.000	Continuing	Continuing	Continuing
Subtotal			0.050	0.100		0.080		0.000		0.000		0.000			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)						R-1 ITEM NOMENCLATURE PE 0603254N: ASW Systems Development				PROJECT 3222: Advanced High Altitude ASW					
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	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	0.200	0.385	Nov 2011	0.100	Nov 2012	0.000		-		0.000	Continuing	Continuing	Continuing
ENG & TECH SVCS (NON-FFRDC)	Various	VARIOUS:VARIOUS	0.232	0.150	Nov 2011	0.289	Nov 2012	0.236	Nov 2013	-		0.236	Continuing	Continuing	Continuing
Government Eng Spt	WR	NAWCAD:PATUXENT RIVER, MD	1.107	0.382	Nov 2011	0.241	Nov 2012	0.330	Nov 2013	-		0.330	Continuing	Continuing	Continuing
Travel	Various	VARIOUS:VARIOUS	0.013	0.009	Nov 2011	0.006	Nov 2012	0.004	Nov 2013	-		0.004	Continuing	Continuing	Continuing
Subtotal			1.552	0.926		0.636		0.570		0.000		0.570			
			All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			5.187	2.371		2.442		2.363		0.000		2.363			
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy

DATE: April 2013

[illegible]

1319: *Research, Development, Test & Evaluation, Navy*

BA 4: Advanced Component Development & Prototypes (ACD&P)

R-1 ITEM NOMENCLATURE

PE 0603254N: ASW Systems Development

PROJECT

3222: *Advanced High Altitude ASW*[illegible]

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013
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>	

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)	2	2013	2	2013
Contract Awards: Study Contract (2)	2	2014	2	2014
Contract Awards: Study Contract (3)	2	2015	2	2015
Contract Awards: Study Contract (4)	2	2016	2	2016
Contract Awards: Study Contract (5)	2	2017	2	2017
Contract Awards: Study Contract (6)	2	2018	2	2018
Contract Awards: Early Prototype Contract (1)	2	2013	2	2013
Contract Awards: Early Prototype Contract (2)	2	2014	2	2014
Contract Awards: Early Prototype Contract (3)	2	2015	2	2015
Contract Awards: Early Prototype Contract (4)	2	2016	2	2016
Contract Awards: Early Prototype Contract (5)	2	2017	2	2017
Contract Awards: Early Prototype Contract (6)	2	2018	2	2018
Trade Studies: Trade Studies	1	2012	4	2018