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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Navy Date: February 2015

Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy / BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0605856N / Strategic Technical Support							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	0.000	3.085	2.590	3.258	-	3.258	3.345	3.408	3.479	3.552	Continuing	Continuing
0128: Mgmt/Tech Supt Strategic	0.000	1.106	1.168	1.181	-	1.181	1.215	1.239	1.264	1.290	Continuing	Continuing
1038: Acoustic & Non-Acoustic Analysis Supt	0.000	1.979	1.422	2.077	-	2.077	2.130	2.169	2.215	2.262	Continuing	Continuing

A. Mission Description and Budget Item Justification

This program element supports technical studies and analyses as directed by the Director for Submarine Warfare to support major policy and procurement decisions. This program is divided into two elements to support decision making in the areas of submarine and antisubmarine warfare and undersea surveillance.

B. Program Change Summary (\$ in Millions)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget	3.221	3.237	3.285	-	3.285
Current President's Budget	3.085	2.590	3.258	-	3.258
Total Adjustments	-0.136	-0.647	-0.027	-	-0.027
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-0.647			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.136	-			
• Rate/Misc Adjustments	-	-	-0.027	-	-0.027

Change Summary Explanation

Technical: N/A

Schedule: N/A

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015		
Appropriation/Budget Activity 1319 / 6					R-1 Program Element (Number/Name) PE 0605856N / Strategic Technical Support				Project (Number/Name) 0128 / Mgmt/Tech Supt Strategic			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
0128: Mgmt/Tech Supt Strategic	-	1.106	1.168	1.181	-	1.181	1.215	1.239	1.264	1.290	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
This project provides analytical support to the Director, Submarine Warfare Division as a basis for major policy, planning and acquisition program decisions. It supports the development of the Submarine Force strategic vision to guide research and development investment strategy and future planning. Additionally, this line supports studies in the area of submarine and undersea surveillance missions, force structure, payloads and sensors and force employment.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: MANAGEMENT AND TECHNICAL SUPPORT, STRATEGIC Articles:								1.106	1.168	1.181	-	1.181
								-	-	-	-	-
FY 2014 Accomplishments: - Continued to examine specific applications for submarine mine countermeasures and develop a strategy for ensuring submarine access to contested areas of the world. - Continued to assess the strategic deterrence (conventional and nuclear) force structure, security, and capability in the Navy. - Continued to perform an in-depth review of undersea warfare research and development requirements, past and present, and propose an investment strategy to maximize future capabilities. - Continued to assess implications of current and developing technologies on undersea warfare in both near and far term systems and develop strategic concepts to guide future acquisitions through partnership with the Naval Postgraduate School. - Continued to assess the submarine forces capabilities in view of emerging technologies and changes in joint and naval strategies. This will be used to develop capability based ideas and concepts to guide research and development and science and technology efforts. FY 2015 Plans: - Continue all efforts of FY14. FY 2016 Base Plans: - Continue all efforts of FY15. FY 2016 OCO Plans: N/A												
Accomplishments/Planned Programs Subtotals								1.106	1.168	1.181	-	1.181

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity 1319 / 6	R-1 Program Element (Number/Name) PE 0605856N / <i>Strategic Technical Support</i>	Project (Number/Name) 0128 / <i>Mgmt/Tech Supt Strategic</i>
<p><u>C. Other Program Funding Summary (\$ in Millions)</u> N/A</p> <p><u>Remarks</u></p> <p><u>D. Acquisition Strategy</u> N/A</p> <p><u>E. Performance Metrics</u> This project supports studies in the area of undersea surveillance missions, sensor system, payloads, force employment, communications, acoustic performance prediction systems, environmental and medical effects of acoustics systems including installations/removals, operational security and future threat analysis. Project success is measured through analytical results and constant interaction with the contractors that enable the Director for Submarine Warfare to make decisions effectively.</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015		
Appropriation/Budget Activity 1319 / 6					R-1 Program Element (Number/Name) PE 0605856N / Strategic Technical Support				Project (Number/Name) 1038 / Acoustic & Non-Acoustic Analysis Supt			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
1038: Acoustic & Non-Acoustic Analysis Supt	-	1.979	1.422	2.077	-	2.077	2.130	2.169	2.215	2.262	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project provides analytical support to the Director, Intelligence, Surveillance, and Reconnaissance (ISR) Division, OPNAV N2N6F2 and the Integrated Undersea Surveillance System (IUSS) Branch as a basis for major policy, planning, and acquisition program decisions. It supports studies in the area of undersea surveillance missions, sensor system communications, and acoustic performance prediction systems, environmental and medical effects of acoustic systems, operational security, and future threat analysis. Supports synthetic mission lay down simulations for IUSS strategic planning and resource allocation. Supports continued development and documentation of architecture for future undersea surveillance capabilities and systems. Supports studies to determine long-term impact of IUSS active sensors on marine animals and development of Surveillance Towed Array Sensor system (SURTASS) Low Frequency Active (LFA), Compact LFA (CLFA) and the Supplemental Environmental Impact Statement (SEIS).

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

	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: ACOUSTIC AND NON-ACOUSTIC ANALYSIS SUPPORT	1.979	1.422	2.077	-	2.077
Articles:	-	-	-	-	-
FY 2014 Accomplishments: <ul style="list-style-type: none"> - Continued environmental compliance requirements and actions pertinent to Compact Low Frequency Active (CLFA) at-sea testing, training and operations. - Continued the SURTASS Engineering Measurements Program (SURTASS EMP) to provide for post-mission engineering analysis of SURTASS acoustic data. - Continued environmental compliance support for issuance of annual Letters of Authorization (LOA) under the Marine Mammal Protection Act (MMPA) and required quarterly reporting for SURTASS LFA vessels. - Continued analyses to estimate the long-term effects of SURTASS LFA on marine mammals. - Continued Integrated Undersea Surveillance System (IUSS) Engineering analytic support to IUSS Capabilities Assessment follow on study. - Provided IUSS Engineering analytic support to OPNAV for hypothetical systems deployment performance assessments. - Continued monitoring of undersea technology for application for future undersea surveillance capabilities. 					

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO
- Continued IUSS Engineering enabling capabilities support to Distributive Systems Group (DSG) to further Shallow Water Surveillance System (SWSS) activities FY 2015 Plans: - Continue all efforts of FY14. FY 2016 Base Plans: - Continue all efforts of FY15. FY 2016 OCO Plans: N/A					
Accomplishments/Planned Programs Subtotals		1.979	1.422	2.077	-
C. Other Program Funding Summary (\$ in Millions)					
N/A					
Remarks					
D. Acquisition Strategy					
N/A					
E. Performance Metrics					
This project supports studies in the area of undersea surveillance missions, sensor systems, and acoustic performance prediction systems, environmental and medical effects of acoustic systems, and future threat analysis. In addition, it provides research and reports necessary to support SURTASS LFA and Compact Low Frequency Active (CLFA) sonar compliance with Federal, State and Local environmental laws required for continued SURTASS LFA and CLFA operations, analysis of undersea technology for application to future undersea surveillance capabilities, and assessment of current and future IUSS warfare areas and potential allied Navy contributions. To this end, research is conducted by prominent educational and research institutions recognized for their expertise in the area, and by marine mammal biologists with extensive background in specific areas of underwater acoustics. This approach is deemed the most cost effective and efficient course of action for the Navy.					