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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy / BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0603597N / (U)Automated Test and Re-Test (ATRT)							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	0.000	-	10.005	8.115	-	8.115	8.236	-	-	-	-	26.356
9B88: Automated Test and Re-Test	0.000	-	10.005	8.115	-	8.115	8.236	-	-	-	-	26.356

The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

The Navy, through Automated Test and Re-Test (ATRT) is developing an automated test/analysis capability, which is applicable at phases within system development and integration which provides reproducible and quantitative evaluation of system performance with reduced levels of effort and schedule in order to support one of the Navy's priority initiatives of reduction of Total Ownership Cost (TOC). Funding will provide additional work towards ongoing testing and analysis efforts within the Combat Systems Integration Testing (CSIT), formerly known as Warfare Systems Integration and Interoperability Testing (WSI2T), AEGIS Combat System Advanced Capability Build (ACB) 12, Antisubmarine Warfare Integrated Common Processor/Acoustic Rapid Commercial Off The Shelf (COTS) Insertion, the Littoral Combat Ship (LCS) Mission Module development and other major acquisition programs. In addition, funding will support the development of standards, specifications, and guidance to facilitate NAVSEA-affiliated programs' adoption of this TOC-reducing discipline and technology.

The ATRT project was previously funded on Program Element 0603582N under Project Unit 9B88: "Automated Test and Retest (ATRT)". Per Congressional direction, starting in FY14 and through the outyears, the ATRT project moves to Program Element 0603597N under Project Unit 9B88C: "Automated Test and Re-Test - Congressional".

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015 Base</u>	<u>FY 2015 OCO</u>	<u>FY 2015 Total</u>
Previous President's Budget	-	-	-	-	-
Current President's Budget	-	10.005	8.115	-	8.115
Total Adjustments	-	10.005	8.115	-	8.115
• Congressional General Reductions	-	-	-	-	-
• Congressional Directed Reductions	-	-	-	-	-
• Congressional Rescissions	-	-	-	-	-
• Congressional Adds	-	10.005	-	-	-
• Congressional Directed Transfers	-	-	-	-	-
• Reprogrammings	-	-	-	-	-
• SBIR/STTR Transfer	-	-	-	-	-
• Program Adjustments	-	-	8.115	-	8.115

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319 / 4					R-1 Program Element (Number/Name) PE 0603597N / (U)Automated Test and Re-Test (ATRT)				Project (Number/Name) 9B88 / Automated Test and Re-Test			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
9B88: Automated Test and Re-Test	-	-	10.005	8.115	-	8.115	8.236	-	-	-	-	26.356
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
The use of these funds by Navy, through Automated Test and Re-Test (ATRT), will further develop an automated test/analysis capability, which is applicable at phases within system development, integration, and certification which provides reproducible and quantitative evaluation of system performance with reduced levels of effort and schedule in order to support one of the Navy's priority initiatives of reduction of Total Ownership Cost (TOC). Funding will provide additional work towards ongoing testing and analysis efforts within the Integrated Combat System Test Facility (ICSTF), AEGIS Combat System Advanced Capability Build (ACB) 16, Submarine Federated Tactical System and Virginia Class Submarines, the Littoral Combat Ship (LCS) Mission Module/ Combat Management System development and other major acquisition programs. In addition, funding will support the development of standards, specifications, and guidance to facilitate NAVSEA-affiliated programs' adoption of this TOC-reducing discipline and technology.												
Per Congressional direction, starting in FY14 and through the outyears, the ATRT project moves to Program Element 0603597N under Project Unit 9B88C: "Automated Test and Re-Test - Congressional".												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Automated Test and Re-Test									-	10.005	8.115	
									Articles: -	-	-	
FY 2013 Accomplishments: N/A												
FY 2014 Plans: The ATRT program will disseminate (9) FY14 project implementation packages to Executive Directors, Chief of Staffs, and Subject Matter Experts throughout NAVSEA-affiliated PEOs/ domains for ATRT implementation proposals. Final submissions will be prioritized by Screening Panel Members, represented by each NAVSEA-affiliated PEO, who will make recommendations to the Executive Steering Committee for final selections. The program will sustain Automated Test & Analysis Working Group (ATAWG) efforts to continue development and improvement of ATRT requirement specifications and standards via thorough investigations of lessons learned from previous pilots. The program will develop training modules and best practice methods for ATRT users. Conduct outreach efforts to NAVSEA programs and industry for ATRT implementation across ship platforms. Develop procedure to quantify improved quality of the system under test, and												

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2013	FY 2014	FY 2015
update the ATRT standard proposal/ business case analysis template for future ATRT startup applications.			
<i>FY 2015 Plans:</i> The ATRT program will continue to increase the number of ATRT pilot programs with the result of accelerating ATRT implementation as part of acquisition program development. Also, the ATRT program will continue to advocate the maturation/development of standards, specifications, and contract language that would improve test tool commonality and reuse across the Navy testing domains.			
Accomplishments/Planned Programs Subtotals	-	10.005	8.115

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
• RDTEN/0603582N: <i>Combat System Integration</i>	7.971	-	-	-	-	-	-	-	-	-	7.971
Remarks											
D. Acquisition Strategy The Program Strategy for the ATRT program includes the following: - Investigation of applicable similarities to industry standards, specifications, and processes that are relevant to ATRT program to recognize best practices and leverage opportunities - Development of standards and specifications for ATRT tools/processes - Funding and execution of ATRT startup projects within acquisition programs per submission of proposals and Business Case Analyses (BCA) - Development of training and outreach efforts to promote awareness of automated testing and analysis body of knowledge and available tools/processes - Setup and maintain an ATRT portal for the collection and dissemination of body of knowledge - Produce Contract Language Guidebook for ATRT											
E. Performance Metrics Progress towards meeting the objectives of the ATRT efforts will be monitored via the following: - Progress Briefs at Quarterly ATRT Stakeholders Meetings - Bi- Monthly ATRT Program Reviews - Return on Investment Metrics based on work hours for test process execution - before and after automation - Return on Investment Metrics based on work hours for test process execution - before and after automation											