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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Navy	DATE: February 2012
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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 0603513N: <i>Shipboard Sys Component Dev</i>							
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	0.051	-	-	-	-	-	-	-	-	0.000	0.051
2469: <i>Open System Architecture (OSA)</i>	0.051	-	-	-	-	-	-	-	-	0.000	0.051

A. Mission Description and Budget Item Justification

Funded the development of shipboard system components and technologies for the future surface combatant family of ships and focused on the following efforts: (1) development of specific and future surface combatant survivability and damage control/firefighting systems and features that reduce vulnerability against weapons, (2) implement modular standard open systems architecture at the total ship/system level and support reduced manning efforts through automation, (3) develop technologies to achieve a total integrated topside design focused on future surface ships, and (4) support the Integrated Power System effort that provides total ship electric power, including electric propulsion, power conversion and distribution, combat system and mission load interfaces to the electric power system.

All tasking will be completed for this project during FY 2011.

B. Program Change Summary (\$ in Millions)	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013 Base</u>	<u>FY 2013 OCO</u>	<u>FY 2013 Total</u>
Previous President's Budget	0.051	-	-	-	-
Current President's Budget	0.051	-	-	-	-
Total Adjustments	-	-	-	-	-
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy								DATE: February 2012			
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 0603513N: <i>Shipboard Sys Component Dev</i>				PROJECT 2469: <i>Open System Architecture (OSA)</i>			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
2469: <i>Open System Architecture (OSA)</i>	0.051	-	-	-	-	-	-	-	-	0.000	0.051
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

Architectures, Interfaces & Modular Systems (AIMS) support implementation of Modular Standard Open Systems architecture (MOSA) at the total system/ship level. These modular interfaces facilitate mission and market adaptability, technology refresh and insertion, and competition. This funding supports the market surveillance and technology and other projections, cost and logistics analyses, process development, industry partnering, demonstrations and assessments necessary to translate into total ship acquisition.

All tasking will be completed for this project during FY 2011.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
<p>Title: Total Open Shipboard Applications and Concepts</p> <p align="right">Articles:</p> <p>Description: Implementation: Transition with industry common Architectures, Interfaces, and Modular Systems (AIMS) for shipboard zones.</p> <p>FY 2011 Accomplishments: Complete all efforts associated with Total Ship interface standards development and implementation.</p>	0.051 0	-	-
Accomplishments/Planned Programs Subtotals	0.051	-	-

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

D. Acquisition Strategy
Not Applicable

E. Performance Metrics
Quarterly Program Reviews