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Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Navy									DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0204201N: CG(X)							
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	0.000	45.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	45.400
3106: Combat System Integration	0.000	10.680	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.680
3107: CG(X) Development	0.000	34.720	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	34.720
A. Mission Description and Budget Item Justification											
This Program Element (PE) provides funds for development of CG(X), the next generation cruiser. CG(X) will focus on providing multi-mission capabilities. CG(X) is the follow-on to the CG-47 class as they reach the end of their service life. CG(X) development efforts will mature the ship design.											
The CG(X) program is proposed for termination due to a projected high cost and risk in its technology and design. Instead of procuring CG(X), the Navy is considering other options including maturing the air and missile defense radar program and using technologies from other similar kinds of ships such as DDG-1000 and DDG-51 destroyers.											
B. Program Change Summary (\$ in Millions)											
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total						
Previous President's Budget	0.000	150.022	0.000	0.000	0.000						
Current President's Budget	0.000	45.400	0.000	0.000	0.000						
Total Adjustments	0.000	-104.622	0.000	0.000	0.000						
• Congressional General Reductions		-0.622									
• Congressional Directed Reductions		-104.000									
• Congressional Rescissions	0.000	0.000									
• Congressional Adds		0.000									
• Congressional Directed Transfers		0.000									
• Reprogrammings	0.000	0.000									
• SBIR/STTR Transfer	0.000	0.000									
• Program Adjustments	0.000	0.000	0.000	0.000	0.000						
Change Summary Explanation											
FY11 from previous President's Budget is shown as zero because no FY11-15 data was presented in President's Budget 2010.											

UNCLASSIFIED

R-1 Line Item #135

Page 1 of 5

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy								DATE: February 2010			
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0204201N: CG(X)				PROJECT 3106: <i>Combat System Integration</i>			
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
3106: <i>Combat System Integration</i>	0.000	10.680	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.680
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification This project encompasses efforts for the integration of the CG(X) Combat System, C4I, Air, and Ship systems including materiel analysis, technology development, and integration of the Mission Systems into the CG(X) Mission System. Integration efforts will include communications, electronics, air, command and control, interface requirements, definition, system integration, and test and evaluation.											
B. Accomplishments/Planned Program (\$ in Millions)											
							FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Acquisition and Requirements Documentation							0.000	6.000	0.000	0.000	0.000
<i>FY 2010 Plans:</i> Conduct feasibility analysis to evaluate capabilities and cost based on requirements allocation, and define and complete FY 2010 National Defense Authorization Act requirements for details on a technology roadmap and acquisition strategy for surface combatants.											
Technology Risk Reduction							0.000	3.000	0.000	0.000	0.000
<i>FY 2010 Plans:</i> Conduct risk reduction for technology elements in total ship system integration, including technology maturity and integration risks.											
Total Ship Systems Engineering							0.000	1.680	0.000	0.000	0.000

UNCLASSIFIED

R-1 Line Item #135

Page 2 of 5

UNCLASSIFIED

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B. Accomplishments/Planned Program (\$ in Millions)											
						FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
<i>FY 2010 Plans:</i> Support of Total Ship Systems Engineering (TSSE) with maturation of mission system architecture functional allocation and integration requirements to support materiel solution analysis, including total ship system capabilities.											
Accomplishments/Planned Programs Subtotals						0.000	10.680	0.000	0.000	0.000	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• RDTEN/0604501N: <i>Advanced Above Water Sensors/Air and Missile Defense Radar</i>	92.998	189.078	228.436	0.000	228.436	123.053	132.390	141.771	141.608	Continuing	Continuing
• RDTEN/0604300N: <i>SC-21 Total Ship System Engineering</i>	67.168	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	67.168
D. Acquisition Strategy N/A											
E. Performance Metrics N/A											

UNCLASSIFIED

R-1 Line Item #135

Page 3 of 5

UNCLASSIFIED

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COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
3107: <i>CG(X) Development</i>	0.000	34.720	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	34.720
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification This project encompasses efforts for total ship system development. These development efforts include materiel analysis, technology development, systems engineering, computer program development, interface design, technical documentation, and system testing to ensure a fully functional CG(X) system design. This project will mature the CG(X) design through several ship design cycles and baselines. Preparation and execution of a program level Preliminary Design Review (PDR) and Critical Design Review (CDR) will occur through these efforts.											
B. Accomplishments/Planned Program (\$ in Millions)											
						FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
Acquisition & Requirements Development						0.000	30.000	0.000	0.000	0.000	
<i>FY 2010 Plans:</i> Development of requirements, capabilities, cost, and technical feasibility of the total ship system to develop a materiel solution. Refinement of program documentation to support CG(X) decision reviews (Gate and Milestone). Define and complete FY 2010 National Defense Authorization Act requirements for details on a technology roadmap and acquisition strategy for surface combatants.											
Technology Risk Reduction						0.000	4.720	0.000	0.000	0.000	
<i>FY 2010 Plans:</i> Conduct risk reduction for Technology Elements including technology maturity and manufacturing feasibility in support of materiel solution analysis.											
Accomplishments/Planned Programs Subtotals						0.000	34.720	0.000	0.000	0.000	

UNCLASSIFIED

R-1 Line Item #135

Page 4 of 5

UNCLASSIFIED

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<u>C. Other Program Funding Summary (\$ in Millions)</u>											
Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• RD TEN/0604501N: <i>Advanced Above Water Sensors/Air and Missile Defense Radar</i>	92.998	189.078	228.436	0.000	228.436	123.053	132.390	141.771	141.608	Continuing	Continuing
• RD TEN/0604300N: <i>SC-21 Total Ship Systems Engineering</i>	67.168	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	67.168
<u>D. Acquisition Strategy</u> N/A											
<u>E. Performance Metrics</u> N/A											

UNCLASSIFIED

R-1 Line Item #135

Page 5 of 5