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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Navy **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>				PE 0604307N: <i>Surface Combatant Cmbt Sys Eng</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	177.109	193.933	223.283	-	223.283	224.116	371.311	341.508	381.221	Continuing	Continuing
1447: <i>Surf Combatant Combat System Imp</i>	171.533	193.933	223.283	-	223.283	224.116	371.311	341.508	381.221	Continuing	Continuing
9999: <i>Congressional Adds</i>	5.576	-	-	-	-	-	-	-	-	0.000	5.576

A. Mission Description and Budget Item Justification

This project provides Cruiser and Destroyer Aegis Combat System (ACS) upgrades and integrates new equipment and systems to pace the threat and capture advances in technology. Examples of captured advanced technologies are: fiber optics, distributed architecture, and high performance computing, all of which require corresponding Aegis Weapon System (AWS) and ACS changes.

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	183.275	193.933	212.064	-	212.064
Current President's Budget	177.109	193.933	223.283	-	223.283
Total Adjustments	-6.166	-	11.219	-	11.219
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	0.784	-			
• SBIR/STTR Transfer	-6.185	-			
• Program Adjustments	-	-	13.840	-	13.840
• Section 219 Reprogramming	-0.753	-	-	-	-
• Rate/Misc Adjustments	-	-	-2.621	-	-2.621
• Congressional General Reductions Adjustments	-0.012	-	-	-	-

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: 9999: *Congressional Adds*

Congressional Add: *Advanced Capability Build 12 and 14*

Congressional Add: *Aegis Research and Development*

	FY 2010	FY 2011
	1.593	-
	3.983	-
	5.576	-

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604307N: <i>Surface Combatant Cmbt Sys Eng</i>
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Congressional Add Details (\$ in Millions, and Includes General Reductions)	FY 2010	FY 2011
Congressional Add Subtotals for Project: 9999		
Congressional Add Totals for all Projects	5.576	-

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0604307N: <i>Surface Combatant Cmbt Sys</i> <i>Eng</i>				PROJECT 1447: <i>Surf Combatant Combat System Imp</i>			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
1447: <i>Surf Combatant Combat System Imp</i>	171.533	193.933	223.283	-	223.283	224.116	371.311	341.508	381.221	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

This project provides Cruiser & Destroyer ACS upgrades and integrates new equipment and systems to pace the threat and capture advances in technology. Examples of captured advanced technologies are: fiber optics, distributed architecture, and high performance computing, all of which require corresponding AWS and ACS changes. The ACS capabilities have continually evolved. Baseline (B/L) 2 (CG 52-58) introduced the VLS, Tomahawk Weapon System, and ASW upgrades. B/L 3 (CG 59-64) introduced the AN/SPY-1B Radar, AN/UYQ-21 consoles, and AN/UYK-43 computers. B/L 4 (CG 65-73) introduced the production of AN/UYK-43/44 computers with superset computer programs developed for the DDG 51. B/L 5 was introduced in FY1992 DDGs and included the JTIDS, TADIL-16, C2P, Combat Direction Finding, Tactical Data Information Exchange System, AN/SLQ-32 (V)3 Active Electronic Counter Countermeasures, and Aegis ER Missile. B/L 5 was developed in two steps (Phase 1 and Phase 3): Phase 1 integrated AEGIS ER and supported the MIOC; Phase 3 integrated system upgrades including Defensive Electronic Attack, Track Load Control Algorithms, and Track Initiation Processor (integrated on B/L 5 Phase 3, DDGs 68+); JTIDS and the OJ-663 color display Tactical Graphics capability into the ACS. B/L 5 Phase 3 is now resident on baseline 3 and 4 CGs and DDG 51-78. B/L 6 Phase 1 introduced COTS, FDDI, LAN, UYQ-70 consoles, CEC for CGs, and an adjunct COTS computer for ADS. It supported OPEVAL of CEC in CGs 66 and 69 and was introduced in the DDG 51 class beginning with DDG 79. B/L 6 Phase 1 is now resident on CGs 59, 65, 66, 68, 69, and 71. B/L 6 Phase 3 was introduced on DDGs 85-90 and was back-fitted onto DDGs 79-84. B/L 6 Phase 3 upgrades included embarked helicopters, FODMS, implementation of affordability initiatives, adjunct computers for all AWS elements, CEC for DDGs and BFTT, ADS, ESSM ID upgrades Phase 1, ATWCS Phase II, Fire Control System Upgrades, and JMCIS. B/L 7 Phase 1 is installed in the DDG 51 class beginning with DDG 91-102. Major B/L 7 upgrades include but are not limited to introduction and integration of new radar (AN/SPY-1D(V) upgrade), replacement of all UYK-43 and adjunct computers with a COTS-based advanced computing infrastructure, AN/SQQ-89(V)15, and the Remote Mine Hunting System. B/L 7P1R (DDG 103-112) upgraded the computing infrastructure, CIWS, Air Control, and introduced OA developed products into the baseline.

The Modernization Baselines will provide new technology to replace aging military equipment, extend service life, and maintain viability of the Aegis combatant into the future. These baselines should reduce the life cycle costs to maintain combat systems and streamline the development of capabilities. ACB08/TI08 (Cruiser Modernization) consists of an upgraded computing infrastructure and computer program enhancements to existing warfighting capabilities on CG 52-58. ACB12/TI12 (Aegis Modernization) consists of an upgraded computing infrastructure and computer program enhancements to provide increased warfighting capabilities which will modernize CG 59-73 and DDG 51-78. ACB12 Destroyer upgrades will consist of NIFC-CA, SM-6, CDS, CPS, MMSP, and BMD. ACB12 Cruiser Upgrades will consist of NIFC-CA, SM-6, CDS, CPS and MMSP SPY-1B(V) Integration. ACB14 will be limited to a combination of capabilities outlined in OPNAV's ACB14 Development Guidance Letter: Aegis BMD, MH-60R, IFF Mode S, DWC, SEWIP BLK II, C5I updates, training and selected SBIRs.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
Title: AEGIS DEVELOPMENT SUPPORT	31.572	33.916	30.999
Articles:	0	0	0

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604307N: <i>Surface Combatant Cmbt Sys Eng</i>	PROJECT 1447: <i>Surf Combatant Combat System Imp</i>		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
<p><i>FY 2010 Accomplishments:</i> Provided Aegis development support for the following: CSEDS, Program Generation Center, and Computer Program Test Site (CPTS) in support of Aegis computer program development, testing, and integration for all AWS products. Continued to provide systems engineering services at our labs and field activities, to include program management support, modeling & simulation, requirements management, warfighting capability integration impacts, and conceptual studies. Provided computer program license funding to support land based test sites installation, development and test efforts. Provided COTS issue resolution to support in service Aegis Ships and address computer program modification to enable integration of replacements parts. Aegis development support in FY10 was primarily in support of ACB12/TI12 and ACB08.1 test efforts.</p> <p><i>FY 2011 Plans:</i> Plan to provide Aegis development support for the following: CSEDS, Program Generation Center, and CPTS in support of Aegis computer program development, testing, and integration for all AWS products. Continue to provide systems engineering for labs and field activities to support services; provide program management support, modeling & simulation, requirements management, warfighting capability integration impacts, and conceptual studies. Provides computer program license funding to support land based test sites installation, development and test efforts. Provide COTS issue resolution to support in service Aegis Ships and address computer program modification to enable integration of replacements parts. Aegis development support in FY11 is primarily in support of ACB12/TI12, Aegis B/L 7.1.3 upgrade, ACB08.1.1.1 upgrade, and future combat system development efforts.</p> <p><i>FY 2012 Plans:</i> Plan to provide Aegis development support for the following: CSEDS, Program Generation Center, and CPTS in support of Aegis computer program development, testing, and integration for all AWS products. Continue to provide systems engineering for labs and field activities to support services; provide program management support, modeling & simulation, requirements management, warfighting capability integration impacts, and conceptual studies. Provides computer program license funding to support land based test sites installation, development and test efforts. Provide COTS issue resolution to support in service AEGIS Ships and address computer program modification to enable integration of replacements parts. Aegis development support in FY12 is primarily in support of ACB12/TI12, MMSP on cruisers, DDG113, Aegis B/L 7.1R backfit, and future combat system development efforts.</p>				
Title: ADVANCED CAPABILITY BUILD ACB08		6.970	1.600	0.700
Articles:		0	0	0
<i>FY 2010 Accomplishments:</i>				

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
<p>Completed computer program development and successfully Certified ACB08. Commenced and completed critical computer program discrepancies corrections and provided an upgraded computer program with increased capability related to Technical Data Collection (TDC) and planned certification in Jun 2010.</p> <p>FY 2011 Plans: Addressing critical computer program discrepancies related to upgraded capabilities integrated within the Aegis ACB08 combat system configuration, and deliver upgraded computer program (8.1.1.1).</p> <p>FY 2012 Plans: Address critical computer program discrepancies related to upgraded capabilities integrated within the Aegis ACB08 combat system configuration.</p>				
<p>Title: TECHNOLOGY INSERTION TI12</p> <p align="right">Articles:</p> <p>FY 2010 Accomplishments: Provided system engineering required for integration of COTS technology including CDS, CPS, and other COTS hardware associated with the Aegis Weapon System. Completed Critical Design Review (CDR) and In Progress Review (IPR) #4. Supported ACB12 system engineering to develop and integrate increased capabilities. Continued computer program development efforts related to Aegis ACB12. Continue testing and integration of Aegis ACB12 capabilities identified.</p> <p>FY 2011 Plans: Continue to provide system engineering required for integration of COTS technology including CDS, CPS, and other COTS hardware associated with the Aegis Weapon System. Successfully conducted IPR #5. Continue to support ACB12 system engineering to develop and integrate increased capabilities. Continue computer program development efforts related to Aegis ACB12. Continued testing and integration of Aegis ACB12 capabilities identified.</p> <p>FY 2012 Plans: Continue to provide system engineering required for integration of COTS technology including CDS, CPS, and other COTS hardware associated with the AEGIS Weapon System. Continue to support system engineering review Test Readiness Review (TRR), System Functional Test (SFT), and Mission Readiness Assessment (MRA). Continue to support ACB12 system engineering to developed and integrated increased capabilities. Continue computer program development efforts related to Aegis ACB12. Continue testing and integration of Aegis ACB12 capabilities identified. Execute Aegis Weapon System demonstration to support system level testing.</p>		9.566 0	3.175 0	1.721 0
<p>Title: ADVANCED CAPABILITY BUILD ACB12</p> <p align="right">Articles:</p>		79.459 0	72.405 0	73.724 0

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
<p><i>FY 2010 Accomplishments:</i> Completed CDR and IPR #4. Supported ACB12 system engineering to develop and integrate increased capabilities. Continued computer program development efforts related to Aegis ACB12. Continued testing and integration of Aegis ACB12 identified capabilities.</p> <p><i>FY 2011 Plans:</i> Successfully conducted IPR #5. Continue to support ACB12 system engineering to develop and integrate increased capabilities. Continue computer program development efforts related to Aegis ACB12. Continue testing and integration of Aegis ACB12 identified capabilities.</p> <p><i>FY 2012 Plans:</i> Continue to provide system engineering to support TRR, SFT, and MRA. Continue to support ACB12 system engineering to develop and integrate increased capabilities. Continue computer program development efforts related to Aegis ACB12. Continue testing and integration of Aegis ACB12 identified capabilities. Execute Aegis Weapon System demonstration to support system level testing.</p>				
<p>Title: ADVANCED CAPABILITY BUILD 12 DELTA CONFIGURATION (DDG 113)</p> <p align="right">Articles:</p> <p><i>FY 2010 Accomplishments:</i> Evaluated and commenced update of Aegis Combat System Specification to support new construction combat system configuration identified for DDG 113.</p> <p><i>FY 2011 Plans:</i> Complete system engineering related to the specific design review and complete CDR changes required to support the configuration changes. Commence computer program capture from Aegis ACB 12. Conduct IPR to monitor the development and integration of DDG 113 combat system design configuration. Support development and integration of the SPY-1D(V) Radar with MMSP.</p> <p><i>FY 2012 Plans:</i> Continue code capture and commence computer program development, commence system test to evaluate DDG 113 unique configuration. Conduct IPR to monitor the development and integration of DDG 113 combat system configuration. Support Production Readiness Review (PRR) related to the DDG 113 Combat System. Continue to develop SPY-1D (V) Radar interface to the MMSP.</p>		9.859 0	34.200 0	29.110 0
<p>Title: ADVANCED CAPABILITY BUILD ACB14</p> <p align="right">Articles:</p>		9.429 0	27.140 0	35.560 0

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
<p><i>FY 2010 Accomplishments:</i> Accelerated system engineering review to develop and integrate the AEGIS SPY-1B (V) with MMSP for CG65-73 within the ACB12 Computer Program configuration. Evaluate future capabilities to be integrated within the Aegis ACB14 Combat System configuration. Complete program kickoff to define system level requirements and combat system design impact to integrate the selected capabilities.</p> <p><i>FY 2011 Plans:</i> Continue system engineering efforts to complete SRR to develop and integrate the Aegis SPY-1B(V) with MMSP. Complete system engineering efforts to define and modify the Aegis ACB12 specification to develop and integrate future capabilities.</p> <p><i>FY 2012 Plans:</i> Continue system engineering efforts to complete IPR #1. Commence computer program development to integrate the Aegis SPY-1B (V) radar and MMSP within the ACB12 Computer Program configuration. Commence development testing effort to validate capability requirements.</p>				
<p>Title: NAVAL INTEGRATED FIRE CONTROL-COUNTER AIR</p> <p align="right">Articles:</p> <p><i>FY 2010 Accomplishments:</i> Supported the ACB12 CDR. Completed NIFC-CA computer program modification required to achieve the defined requirements. Initiated computer program testing. Commenced upgrade to WSMR to support NIFC-CA testing.</p> <p><i>FY 2011 Plans:</i> Continue to support NIFC-CA development and integration within the Aegis ACB12 combat system configuration. Maintain White Sands Missile Range (WSMR) site to support NIFC-CA and SM6 integration within the Aegis ACB12 combat system. Conduct IPR to monitor the development and integration of the NIFC-CA capability.</p> <p><i>FY 2012 Plans:</i> Continue to support NIFC-CA development and integration within the Aegis ACB12 combat system configuration. Maintain WSMR site to support NIFC-CA and SM6 integration within the Aegis ACB12 combat system. Conduct IPR to monitor the development and integration of the NIFC-CA capability.</p>		24.678 0	21.497 0	11.994 0
<p>Title: AEGIS BASELINE 7.1.2 UPGRADE</p> <p align="right">Articles:</p> <p><i>FY 2012 Plans:</i> Provide engineering effort to develop work package definition, identify specification changes, and define design information to port the Aegis B/L 7.1R Computer Program within the Aegis B/L 7.1.2 Hardware configuration and address fleet reported deficiencies</p>		-	-	19.500 0

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy **DATE:** February 2011

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
related to maintainability, interoperability, and stability. Provide NJ site upgrades to support development and test efforts related to Aegis B/L 7.1.2 back fit plan.			
Title: FUTURE COMBAT SYSTEM DEVELOPMENT AND INTEGRATION	-	-	19.975
FY 2012 Plans: Commence system engineering efforts to address the development and integration of the Air & Missile Defense Radar (AMDR) into Aegis.			0
Accomplishments/Planned Programs Subtotals	171.533	193.933	223.283

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	<u>Cost To Complete</u>	<u>Total Cost</u>
• R&D 0604501N: <i>Multi Mission Signal Processor</i>	52.649	32.607	32.361	0.000	32.361	25.778	14.989	19.324	19.638	Continuing	Continuing
• SCN 2122: <i>DDG 51</i>	2,483.578	2,970.174	2,319.392	0.000	2,319.392	3,405.498	3,181.098	2,995.564	2,513.860	Continuing	Continuing
• OPN 0960: <i>CG Modernization</i>	316.711	356.958	590.349	0.000	590.349	594.209	642.274	246.502	245.904	Continuing	Continuing
• OPN 5246: <i>AEGIS Support Equipment</i>	99.119	162.307	43.148	0.000	43.148	47.986	66.915	51.694	58.640	Continuing	Continuing
• OPN 0900: <i>DDG Modernization</i>	159.296	296.691	119.522	0.000	119.522	441.455	346.020	692.153	519.938	Continuing	Continuing
• R&D 0603879N PU 3031: <i>SIAP (IABM Integration for DDG)</i>	40.097	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	40.097
• R&D 0604378N PU 3159: <i>NIFC-CA</i>	10.574	21.517	24.898	0.000	24.898	28.990	15.849	4.651	4.743	Continuing	Continuing
• OPN 2980: <i>Multi Mission Signal Processor</i>	0.200	18.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

D. Acquisition Strategy
 Combat system improvements are implemented in baselines as described in the project mission statement. After the combat system is completed and tested, the computer program and associated equipment are delivered to the new construction shipbuilders and modernization shipyards where the program and equipment are installed and tested along with all other elements of the shipboard combat system and associated combat support systems. The computer program is a Government Furnished Equipment (GFE) deliverable to the Production Test Center for equipment test and check out. Future Combat System delivery will be provided in ACBs

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APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT
1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	PE 0604307N: <i>Surface Combatant Cmbt Sys Eng</i>	1447: <i>Surf Combatant Combat System Imp</i>

and TIs using a contract to provide Platform System Engineering Agent (PSEA) services. Additional contracts will be awarded to address ACB12 completion, ACB14 development, Sites Management, and MMSP development.

E. Performance Metrics

Combat system development efforts will complete major development milestones.

Major Milestones for ACB12:

Completion of IPR #4 in third quarter FY10.

Completion of IPR #5 in first quarter of FY11.

Test Readiness Review # 1 (TRR#1) in fourth quarter of FY12.

Final Certification in first quarter of FY14.

Major Milestones for ACB14:

System Requirements Review (SRR) in second quarter of FY11.

In Progress Review #1 in first quarter of FY12.

In Progress Review #2 in first quarter of FY13.

In Progress Review #3 in third quarter of FY13.

Demonstration in first quarter FY14.

Mission Readiness Review (MRR) in third quarter FY14.

Final Certification in second quarter FY15.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy **DATE:** February 2011

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Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Systems Engineering	SS/CPAF	Lockheed Martin:Moorestown, NJ	1,546.084	107.039	Dec 2010	132.249	Oct 2011	-		132.249	0.000	1,785.372	
Systems Engineering	SS/CPFF	APL:Baltimore, MD	38.448	6.505	Nov 2010	6.700	Oct 2011	-		6.700	0.000	51.653	
Systems Engineering	WR	NSWC:Dahlgren, VA	238.535	35.617	Nov 2010	36.477	Oct 2011	-		36.477	0.000	310.629	
Systems Engineering	SS/CPAF	BAE Systems:Rockville, MD	32.299	4.112	Feb 2011	3.984	Oct 2011	-		3.984	0.000	40.395	
Systems Engineering	WR	NSWC:Port Hueneme, CA	45.099	6.115	Nov 2010	6.054	Oct 2011	-		6.054	0.000	57.268	
Systems Engineering	WR	NWAS:Corona, CA	26.207	0.444	Nov 2010	1.200	Oct 2011	-		1.200	0.000	27.851	
Systems Engineering	WR	SPAWAR:San Diego, CA	9.099	0.300	Nov 2010	0.390	Oct 2011	-		0.390	0.000	9.789	
Systems Engineering	WR	Various:Various	76.771	18.599	Dec 2010	19.041	Oct 2011	-		19.041	0.000	114.411	
Award fees	SS/CPAF	Lockheed Martin:Moorestown, NJ	191.659	8.490	Dec 2010	9.414	Oct 2011	-		9.414	0.000	209.563	
Award fees	SS/CPAF	BAE Systems:Rockville, MD	1.962	0.089	Feb 2011	0.110	Oct 2011	-		0.110	0.000	2.161	
Award fees	SS/CPAF	Alion Science:Washington DC	1.540	0.290	Dec 2010	0.320	Oct 2011	-		0.320	0.000	2.150	
Award fees	WR	Various:Various	6.234	0.644	Jul 2011	0.830	Oct 2011	-		0.830	0.000	7.708	
Subtotal			2,213.937	188.244		216.769		-		216.769	0.000	2,618.950	

Remarks
 Various Performing Activities consist of multiple performing activities with funding for each no greater than \$1 million per year. These larger performing activities include CECOM, National Research Lab (NRL), CDSA Damneck, NSWC/Crane, NSWC/Indianhead, and NAWC China Lake.

Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluation	WR	Department of Interior:Boise, Idaho	37.140	0.550	Jul 2011	0.900	Oct 2011	-		0.900	0.000	38.590	

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Navy

DATE: February 2011

APPROPRIATION/BUDGET ACTIVITY

1319: *Research, Development, Test & Evaluation, Navy*
BA 5: *Development & Demonstration (SDD)*

R-1 ITEM NOMENCLATURE

PE 0604307N: *Surface Combatant Cmbt Sys Eng*

PROJECT

1447: *Surf Combatant Combat System Imp*

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Navy		DATE: February 2011
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 1447				
ADVANCED CAPABILITY BUILD 08 FINAL CERTIFICATION	1	2010	1	2010
ADVANCED CAPABILITY BUILD 08 AWS 8.1 FINAL CERTIFICATION	3	2010	3	2010
ADVANCED CAPABILITY BUILD 12 CRITICAL DESIGN REVIEW	1	2010	1	2010
ADVANCED CAPABILITY BUILD 12 IN-PROGRESS REVIEW #4	3	2010	3	2010
ADVANCED CAPABILITY BUILD 12 IN-PROGRESS REVIEW #5	1	2011	1	2011
ADVANCED CAPABILITY BUILD 12 SYSTEM FUNCTIONAL TEST	2	2012	2	2012
ADVANCED CAPABILITY BUILD 12 MISSION READINESS ASSESSMENT #1	3	2012	3	2012
ADVANCED CAPABILITY BUILD 12 TEST READINESS REVIEW	4	2012	4	2012
ADVANCED CAPABILITY BUILD 12 DEMONSTRATION	1	2013	1	2013
ADVANCED CAPABILITY BUILD 12 MISSION READINESS ASSESSMENT #2	2	2013	2	2013
ADVANCED CAPABILITY BUILD 12 COMBAT SYSTEM SHIPS QUALIFICATION TRIAL	3	2013	3	2013
ADVANCED CAPABILITY BUILD 12 FINAL CERTIFICATION	1	2014	1	2014
ADVANCED CAPABILITY BUILD 12 DDG 113 IN-PROGRESS REVIEW #1	1	2012	1	2012
ADVANCED CAPABILITY BUILD 12 DDG 113 IN-PROGRESS REVIEW #2	2	2012	2	2012
ADVANCED CAPABILITY BUILD 12 DDG 113 IN-PROGRESS REVIEW #3	4	2012	4	2012
ADVANCED CAPABILITY BUILD 12 DDG 113 TEST READINESS REVIEW	4	2013	4	2013
ADVANCED CAPABILITY BUILD 12 DDG 113 AEGIS LIGHT OFF	4	2014	4	2014
ADVANCED CAPABILITY BUILD 12 DDG 113 SEA TRIALS	3	2015	3	2015
ADVANCED CAPABILITY BUILD 12 DDG 113 COMBAT SYSTEM SHIPS QUALIFICATION TRIAL	1	2016	1	2016
ADVANCED CAPABILITY BUILD 12 DDG 113 FINAL CERTIFICATION	2	2016	2	2016

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604307N: <i>Surface Combatant Cmbt Sys Eng</i>	PROJECT 1447: <i>Surf Combatant Combat System Imp</i>

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ADVANCED CAPABILITY BUILD 14 SYSTEM REQUIREMENTS REVIEW	1	2011	1	2011
ADVANCED CAPABILITY BUILD 14 SYSTEM FUNCTIONAL REVIEW	3	2011	3	2011
ADVANCED CAPABILITY BUILD 14 IN-PROGRESS REVIEW #1/PRELIMINARY DESIGN REVIEW	1	2012	1	2012
ADVANCED CAPABILITY BUILD 14 IN-PROGRESS REVIEW #2 CRITICAL DESIGN REVIEW	1	2013	1	2013
ADVANCED CAPABILITY BUILD 14 IN-PROGRESS REVIEW #3 TEST READINESS REVIEW	3	2013	3	2013
ADVANCED CAPABILITY BUILD 14 DEMONSTRATION	1	2014	1	2014
ADVANCED CAPABILITY BUILD 14 AEGIS LIGHT OFF	3	2014	3	2014
ADVANCED CAPABILITY BUILD 14 MISSION READINESS ASSESSMENT	4	2014	4	2014
ADVANCED CAPABILITY BUILD 14 COMBAT SYSTEM SHIPS QUALIFICATION TRIAL	1	2015	1	2015
ADVANCED CAPABILITY BUILD 14 FINAL CERTIFICATION	2	2015	2	2015

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY			R-1 ITEM NOMENCLATURE				PROJECT				
1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>			PE 0604307N: <i>Surface Combatant Cmbt Sys Eng</i>				9999: <i>Congressional Adds</i>				
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
9999: <i>Congressional Adds</i>	5.576	-	-	-	-	-	-	-	-	0.000	5.576
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

Congressional Add.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2010	FY 2011
Congressional Add: Advanced Capability Build 12 and 14	1.593	-
FY 2010 Accomplishments: FY10 Congressional add supports research and development efforts in conjunction with Aegis Advanced Capability Builds (ACB)12 and 14.		
Congressional Add: Aegis Research and Development	3.983	-
FY 2010 Accomplishments: FY10 Congressional add supports research and development efforts in conjunction with future Aegis implementations.		
Congressional Adds Subtotals	5.576	-

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

N/A

D. Acquisition Strategy

N/A

E. Performance Metrics

Congressional Add.