

CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification						DATE: February 2007		
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-4				R-1 ITEM NOMENCLATURE Combat Systems Integration/Strike Force Interoperability 0603582N				
COST (\$ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total PE Cost	\$74.626	\$64.088	\$53.427	\$53.435	\$39.139	\$38.621	\$38.120	\$37.621
0164/Combat Systems Integ/Strike Force Interoperability	\$73.640	\$61.797	\$53.427	\$53.435	\$39.139	\$38.621	\$38.120	\$37.621
9999 / Congressional Adds	\$0.986	\$2.291	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

Project 0164: Combat Systems Integration/Strike Force Interoperability:

COMNAVSEASYSYSCOM (SEA 06) is assigned central responsibility for interoperability, directing the development of policy and architecture for Strike Force warfare systems engineering and implementation of a common warfare systems engineering process. Furthermore, SEA 06 provides top level direction and execution for certification and assessments which support capability and quality for ships and submarines. SEA 06 has developed processes and tools including the establishment of a force-level warfare systems engineering process, stewardship of the introduction of C5I modernization and improvement into the Fleet Response Plan (FRP), configuration management and certification processes, and force-level interoperability assessments using the Distributed Engineering Plant (DEP) land-based testing tool. This project funds the core elements required to conduct Warfare Systems Integration and Interoperability Testing (WSI2T) in accordance with the Naval Warfare Systems Certification Policy (NWSCP), Joint NAVSEA, NAVAIR, and SPAWAR SYSCOM Instruction.

This project funds Strike Force (SF) requirements engineering and analysis. This includes SF configuration management through the Fleet Response Plan (FRP), shore based testing and Warfare System Integration and Interoperability Testing (WSI2T) certification of operational computer systems in a test environment similar to their ultimate shipboard operational environment, and Interoperability Assessments which are a prerequisite for operational Certification of the ships in Strike Force configurations prior to deployment. Force Certification of deploying ships in Strike Force configurations is accomplished through the utilization of the Navy's Distributed Engineering Plant (DEP), which provides operational configurations for all Naval combat systems located at multiple (15) Navy & Industry land-based sites located across the country and connected via ATM networking technology. The DEP provides the only opportunity for comprehensive interoperability testing of combat system and C5I configuration items prior to shipboard delivery for operational use in surface combatant platforms and battle group units. It is a Fleet Forces Command requirement that all Strike Forces undergo Interoperability Certification testing in the DEP prior to deployment. Further, the DEP provides the mechanism to support the Navy's participation in the Joint testing environments (JDEP/JMETC) as well as the coalition forces through the Combined Forces Battle Laboratories (CFBL) network to allow for assessments of both Joint and Coalition interoperability.

Through the implementation of the Fleet Response Plan (FRP), the Navy has made considerable improvements in Naval Force Interoperability. As the Navy embarks on Navy Open Architecture (OA), Common Network Interface (CNI) has been selected for CDS upgrade on the LHA/LHD ship class. Engineering efforts initiated via direction from OSD in FY04/05. The program's development includes a land based demonstration scheduled in April 2005 and an at-sea demonstration scheduled for January 07. Production commences in FY07 with installation spirals planned in FY08 for the LHA and LHD Class ships. Future software and hardware modifications are planned for FY07 and out. CNI is a Commercial Off The Shelf (COTS) open interface system transitioning to an upgrade that modernizes Combat Systems on legacy amphibious ships, LHA/LHD classes, which will support the Expeditionary Strike Group (ESG). CNI upgrades the existing system using COTS hardware and common interoperable software compliant with the Navy's Open Architecture standards to integrate the data from ship's sensors, external links, and FORCENet sources into an operational picture for the war fighter and an out put to the legacy ACDS weapons control system. CNI provides rapid operational capability upgrades via an Rapid Capability Insertion Process (RCIP) using primarily software upgrades, an integrated Air, Surface, ISR, and friendly shore position and situational awareness track picture. CNI will allow for the implementation of the Joint Track Manager and FORCENet and Network centric connectivity.

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APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-4	R-1 ITEM NOMENCLATURE Combat Systems Integration/Strike Force Interoperability 0603582N
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COST (\$ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total PE Cost	\$74.626	\$64.088	\$53.427	\$53.435	\$39.139	\$38.621	\$38.120	\$37.621

B. PROGRAM CHANGE SUMMARY:

Funding:	FY 2006	FY 2007	FY 2008	FY2009
FY07 Pres Budget:	92.310	62.095	52.173	50.846
FY08 Pres Budget:	74.626	64.088	53.427	53.435
Total Adjustments	-17.684	1.993	1.254	2.589

Summary of Adjustments

Other General Provisions	-1.184			
Congressional Undistributed Reductions		-0.298		
Realign Congressional adds	-16.500			
Undistributed General Reductions			0.116	0.568
Program Adjustment			1.138	2.021
Congressional Plus Up		2.291		
Subtotal	-17.684	1.993	1.254	2.589

Schedule: See R4/R4A Schedule.

Technical: Funds certification of platform/strike force interoperability in accordance with CFFC direction (meets 75% of deploying force requirements.)

EXHIBIT R-2a, RDT&E Project Justification	DATE: February 2007
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APPROPRIATION/BUDGET ACTIVITY RDT&E, N/BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603582N CSI/SFI	PROJECT NUMBER AND NAME 0164 CSI/SFI
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B. Accomplishments/Planned Program

SF Requirements Engineering and Analysis	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	2.561	2.886	3.000	2.949
RDT&E Articles Quantity	N/A	N/A	N/A	N/A

In FY06 and FY07, the program will develop multi-mission strike scenarios and evaluate interoperability performance. Development of these standards will be essential to the evaluation of emerging combat system capabilities, such as Open Architecture, CVN 77, CVN 21, and LCS. Continue developing data sets that can be used to apply quantifiable and measurable Strike Force I/O reqs. In FY 08 and FY 09, the program will implement the above mentioned multi-mission scenarios and interoperability test requirements, evaluate interoperability performance, and advise the Fleet of critical interoperability capabilities and limitations. Implementation of these standards are essential to evaluate emerging combat system capabilities, such as Open Architecture baselines in CG/DDG modernization, LCS, CVN 77, DDG 1000, and CVN 21. Continue developing data sets that can be used to apply quantifiable and measurable Strike Force I/O reqts.

FRP	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	5.441	5.204	7.518	8.374
RDT&E Articles Quantity	N/A	N/A	N/A	N/A

In FY 06 and FY07, plans are to continue implementing the Fleet Response Plan (FRP) by providing support from the Strike Force Interoperability Teams which include On-Site-Reps, Project Engineers, Fleet Liaisons, Strike Force Interoperability Officers and support the FRP milestones relating to Command Control Communication Computer and Combat Systems Modernization Process (C5IMP). In FY08 and beyond, 25 + Strike Groups are being evaluated in some phase of the Fleet Response Plan (FRP). Continue development and distribution of Strike Group Capabilities and Limitations documentation for each Strike Force identified in the FRP process deployment cycle. This will include support to meet Emergency Surge, Surge, and Normal Deployment, and include limited CSCS training events with updated material from documented findings/results of underway and I/O Certification test events. Over 27 Capabilities and Limitations documents will be delivered, and over 12,000 configuration change requests will be processed.

Combat Systems Cert iso Platform Certification	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	9.092	7.307	4.660	5.334
RDT&E Articles Quantity	N/A	N/A	N/A	N/A

In FY06 and FY07, plans include Warfare System Integration and Interoperability Testing (WSI2T) of Ship Self Defense System (SSDS) MK-2 Mods 1-2 combat systems and associated elements for CVN/LHD/LHA/LPD ship classes and Test Bed Validation. FY08-FY13 continue planning for out-year testing to include CVN 77, LCS, LPD 17, CVN 21, Open Architecture combat systems as well as integration of new combat system capabilities.

Platform/Strike Force Certification	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	11.200	10.496	15.552	15.490
RDT&E Articles Quantity	N/A	N/A	N/A	N/A

In FY06, conducted DEP testing and data analysis of complex computer program configurations necessary to characterize ships' contribution to Strike Force Interoperability in support of Platform Certification Decisions. Conducted Systems Engineering events for root-cause determination of key interoperability problems and in support of development of new force-level warfare system capability. Strike Force and Platform Interoperability of deploying forces: Conducted Advanced Platform Interoperability tests for AWS 7.1.1.1, AWS 6.1.7, CVN 68 and LHA 4. Conducted Basic Platform Interoperability Tests for CVN 68 and LHA 4. In FY07, three similar events are planned to support LHD 2/4/5/7 and CVN 76/79, while also evolving the testing method to Interoperability Development testing for CVN 68 and CVN 77/70. Interoperability Development and Interoperability Certification test events are also planned in FY08 and beyond. Interoperability Developmental Testing, and Interoperability Certification Testing for FY 08 and FY 09 deployers.

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B. Accomplishments/Planned Program (Cont.)

DEP Engineering and Operations	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	7.115	5.638	7.807	7.396
RDT&E Articles Quantity	N/A	N/A	N/A	N/A

Performs systems engineering, and operations functions to ensure DEP infrastructure supports testing of combat system baselines. Conduct systems engineering to identify simulation/stimulation requirements necessary to achieve required fidelity for DEP testing at Navy laboratory sites through verification, validation and accreditation. Evaluates network requirements for distributed test events, work with other Service R&D laboratories to identify system and test requirements supporting evaluation of joint system interoperability and the development of open system architecture baselines. Funds critical technical activity in force interoperability necessary to support all user communities of this important land-based test capability. i.e. acquisition; fleet; and industry. In FY06, the NUWC Newport SAIL, and CSEDS were added to the DEP network. In FY07-FY09 projected nodes include SSC Charleston in support of OA testing and CVN 21 Joint and Coalition events will be supported through FY07.

Interoperability Fixes	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	1.976	0.000	0.000	0.000
RDT&E Articles Quantity	N/A	N/A	N/A	N/A

There are currently 890 unresolved unique interoperability problems identified through SFIT, SGSIT, NCTSI, SSA, TEMP 801 testing, OIF, CLF/CPF lessons learned, and CEC OPEVAL that have been divided into 21 categories prioritized by the Fleet. Funding is dedicated to develop and implement interoperability fixes to combat systems, and to validate and certify completed fixes at the platform and Strike Force level through land-based testing. In accordance with DEPSECDEF Guidance of Oct 2001, interoperability problem corrections are evaluated according to their ability to improve the operational performance of deploying Strike Forces. An additional 26 fixes were available to field in FY2005 that capture system level interoperability fixes, lessons learned from Operation Iraqi Freedom, and coordinated multi-system solutions of strike force interoperability problems in CEC 2.1, SSDS, E2C, AWS 6.1.7, SGS/AC and C2P/CDLMS. FY2006: Funding supports analysis and assessment methodology to identify engineering changes required to correct interoperability at the system design phase. There is no funding programmed for future interoperability fix packages per ASN (RDA) direction.

JDEP	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	4.600	4.960	0.000	0.000
RDT&E Articles Quantity	N/A	N/A	N/A	N/A

Funds Navy participation in Joint Distributed Engineering Plant (JDEP) and related land-based test events and systems engineering activities. The Defense Planning Guidance (DPG) updated for FY 2002-2007 states that the JDEP program was established as a DoD-wide effort to link existing service and joint combat system engineering and test sites. The JDEP is the lead infrastructure used for the evaluation of coordinated, joint engineering events, which include the validation of next-generation algorithms implementing the Single Integrated Air Picture (SIAP). Funds support Navy participation in JDEP approved test events and test bed improvements needed to conduct testing. FY06 events included Enhanced Link 16 Coalition Networking, Correlation/Decorrelation Interoperability Test and Joint Combined Hardware in the Loop Phase 3 (JCHE 3). FY07 event proposals include JCHE Phase 4, Joint player participation in core Navy DEP certification event, and Joint OA experiments.

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APPROPRIATION/BUDGET ACTIVITY RDT&E,N/BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603582N CSI/SFI	PROJECT NUMBER AND NAME 0164 CSI/SFI
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B. Accomplishments/Planned Program (Cont.)

CNI/OA Transformation Roadmap	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	23.155	25.306	14.890	13.892
RDT&E Articles Quantity	N/A	N/A	N/A	N/A

In FY2006, began phased CNI upgrades to the existing legacy COTS hardware and common interoperable software compliant with the Navy's OA standards to integrate the data from ship's sensors, external links, and FORCEnet sources into an operational picture for the warfighter and an output to the legacy weapons control system. In FY2007, these operational capability improvements are achieved in a cost effective manner by initiating spiral development, "build-test-build" programmatic and processes pioneered by the Acoustics Rapid COTS Insertion (ARCI) and Advanced Processing Build (APB) processes which minimizes legacy system/subsystem technical disruption. CNI ensures the upgraded ships stay current with Navy Open Architecture and Joint interoperability requirements.

OA Automated Test and Re-Test	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	8.500	0.000	0.000	0.000
RDT&E Articles Quantity	N/A	N/A	N/A	N/A

Open Architecture Automated Test and Re-Test Capability: Funds added to program to support software engineering upgrades to the Distributed Engineering Plant (DEP) Laboratories to enable rapid test and re-test of Open Architecture software modules and associated improvements. In FY06, funds are needed to establish the requirements and architecture necessary for the DEP to test the rapid and affordable introduction of new capabilities into future combat systems.

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APPROPRIATION/BUDGET ACTIVITY RDT&E,N/BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603582N CSI/SFI	PROJECT NUMBER AND NAME 0164 CSI/SFI																
<p>C. OTHER PROGRAM FUNDING SUMMARY:</p> <p>Related RDT&E: Computer programs developed under these programs are tested in their integrated configuration.</p> <p style="margin-left: 40px;">PE 0204571N (Consolidated Training Systems Development) PE 0205620N (Surface ASW Combat System Technology) PE 0603382N (Advanced Combat System Technology) PE 0603755N (Ship Self Defense Dem/Val) PE 0603658N (Cooperative Engagement) PE 0604307N (AEGIS Combat Systems Engineering) PE 0604755N (Ship Self Defense - EMD) PE 0604518N (Combat Information Center Conversion) PE 0603879N (Single Integrated Air Picture (SIAP) System Engineering (SE))</p> <p>Related Procurement: OPN 296000 (ICSTF/DEP: Integrated Combat System Test Facilities/Distributed Engineering Plant)</p> <table style="margin-left: 100px; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;"><u>FY2006</u></th> <th style="text-align: center;"><u>FY2007</u></th> <th style="text-align: center;"><u>FY2008</u></th> <th style="text-align: center;"><u>FY2009</u></th> <th style="text-align: center;"><u>FY2010</u></th> <th style="text-align: center;"><u>FY2011</u></th> <th style="text-align: center;"><u>FY2012</u></th> <th style="text-align: center;"><u>FY2013</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">\$4.3</td> <td style="text-align: center;">\$4.3</td> <td style="text-align: center;">\$4.5</td> <td style="text-align: center;">\$4.6</td> <td style="text-align: center;">\$4.7</td> <td style="text-align: center;">\$4.9</td> <td style="text-align: center;">\$5.0</td> <td style="text-align: center;">\$5.1</td> </tr> </tbody> </table>			<u>FY2006</u>	<u>FY2007</u>	<u>FY2008</u>	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	\$4.3	\$4.3	\$4.5	\$4.6	\$4.7	\$4.9	\$5.0	\$5.1
<u>FY2006</u>	<u>FY2007</u>	<u>FY2008</u>	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>											
\$4.3	\$4.3	\$4.5	\$4.6	\$4.7	\$4.9	\$5.0	\$5.1											
<p>D. ACQUISITION STRATEGY: Not Applicable</p>																		
<p>E. MAJOR PERFORMERS:</p> <p>Naval Surface Warfare Center - Distributed Engineering Plant (DEP), Strike Force Interoperability Requirements (SFIR) and Platform/Strike Force Certification efforts. General Dynamics - Advanced Information Systems (GD-AIS) Digital Systems Resources, Inc. (DSR), Fair Lakes, VA- Prime contractor for Common Network Interface (CNI).</p>																		

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Exhibit R-3 Cost Analysis (page 1)										DATE: February 2007			
APPROPRIATION/BUDGET ACTIVITY			PROJECT NUMBER AND NAME										
RDT&E,N/BA-4			0603582N CSI/SFI										
Cost Categories	Contract Method & Type	Performing Activity & Location	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract
SF Requirements Engineering & Analysis	WR/RC	NSWC	0.757	10/05	1.027	10/06	1.075		1.306		CONT.	CONT.	
SF Requirements Engineering & Analysis	WR/RC	VARIOUS	1.432	10/05	1.859	10/06	1.500	10/07	1.300	10/08	CONT.	CONT.	
FRP	WR/RC	NSWC PHD	2.892	10/05	3.266	10/06	5.176	10/07	4.949	10/08	CONT.	CONT.	
FRP	WR/RC	NSWC DD	2.092	10/05	1.938	10/06	1.943	10/07	1.943	10/08	CONT.	CONT.	
FRP	WR/RC/PD	VARIOUS	0.000		0.000		0.000		0.000		CONT.	CONT.	
Combat Systems Cert iso Platform Cert	WR/RC	NSWC PHD	6.784	10/05	6.174	10/06	3.710	10/07	3.910	10/08	CONT.	CONT.	
Combat Systems Cert iso Platform Cert	WR/RC	VARIOUS	1.666	10/05	2.130	10/06	0.950	10/07	1.568	10/08	CONT.	CONT.	
Platform/Strike Force Cert	WR/RC	NSWC DD	10.200	10/05	4.144	10/06	4.460	10/07	4.460	10/08	CONT.	CONT.	
Platform/Strike Force Cert	WR/RC/PD	VARIOUS	0.000		3.314	10/06	8.950	10/07	9.250	10/08	CONT.	CONT.	
DEP Engineering and Operations	WR/RC	NSWC DD	6.141	10/05	5.368	10/06					CONT.	CONT.	
DEP Engineering and Operations	WR/RC/PD	VARIOUS	0.000		0.000		6.507	10/07	6.507	10/08	CONT.	CONT.	
Interoperability Fixes	WR/RC	NSWC DD	1.500	10/05	0.000		0.000		0.000		CONT.	CONT.	
Interoperability Fixes	WR/RC	NSWC DD-CDSA D	0.000		0.000		0.000		0.000		CONT.	CONT.	
JDEP	WR/RC	NSWC DD	3.295	10/05	3.290	10/06	0.000	10/07	0.000	10/08	CONT.	CONT.	
JDEP	WR/RC	VARIOUS	1.305	10/05	1.670	10/06	0.000	10/07	0.000	10/08	CONT.	CONT.	
CNI/OA Transformation Roadmap	CPFF	GENERAL DYNAMI	18.446	VARIOUS	20.257	VARIOUS	11.862	VARIOUS	11.067	VARIOUS	CONT.	CONT.	
CNI/OA Transformation Roadmap	WX	NSWC DD	1.775	VARIOUS	1.949	VARIOUS	1.141	VARIOUS	1.065	VARIOUS	CONT.	CONT.	
CNI/OA Transformation Roadmap	WX	CDSA	1.040	VARIOUS	1.142	VARIOUS	0.669	VARIOUS	0.624	VARIOUS	CONT.	CONT.	
CNI/OA Transformation Roadmap	VARIOUS	VARIOUS	1.894	VARIOUS	2.080	VARIOUS	1.218	VARIOUS	1.136	VARIOUS	CONT.	CONT.	
OA Test and Retest	VARIOUS	VARIOUS	8.500	10/05	0.000						CONT.	CONT.	
Contract Engineering Support	VARIOUS	VARIOUS	3.557	11/05	2.134	11/06	2.500	11/07	2.600	11/08	CONT.	CONT.	
Contract Program Mgt Support	VARIOUS	VARIOUS	1.100	11/05	2.096	11/06	1.516	11/07	1.500	11/08	CONT.	CONT.	
Travel		NAVSEA TRAVEL	0.250	09/06	0.250	09/07	0.250	09/08	0.250	09/09	CONT.	CONT.	
Subtotal Product Development			74.626		64.088		53.427		53.435				
Remarks:													

EXHIBIT R4, Schedule Profile		DATE: February 2007																															
APPROPRIATION/BUDGET ACTIVITY		PROJECT NUMBER AND NAME																															
RDT&E/NBA-4		0164																															
Fiscal Year		2006				2007				2008				2009				2010				2011				2012				2013			
Quarter		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
AEGIS 7.1R Interop Cert Test (Unfunded)					■																												
BMD 4.0 Interop Dev Test									■																								
BMD 4.0 Interop Cert Test (TBD)														■																			
AWS 7.1C Interop Dev Test (Unfunded)												■																					
AWS 7.1C Interop Cert Test (Unfunded)																■																	
DDG MODERNIZATION (TBD)																																	
DDG (M) Interop Dev Test																																	
DDG (M) Interop Cert Test																																	
DD(X) (TBD)																																	
CVN 21 (TBD)																																	
CVN 21 Interop Dev Test (TBD)																																	
LCS 2 TEST REQ (TBD)																																	
LPD 17/18/19/20 WSI2T																																	
CVN 68 Interop Dev Test																																	
CVN 68 Interop Cert Test																																	
CVN 73 WSI2T																																	
CVN 76/69 Interop Cert Test																																	
CVN 69 WSI2T																																	
SEE -01																																	
SEE -02																																	
SEE -03																																	
SEE -04																																	
LHA 1/5 WSI2T																																	
LHA 6 WSI2T (LHA R)																																	
FFG Level 13 WSI2T																																	
CVN 76 WSI2T																																	
LSD 41/49 WSI2T (Funded by Program Office)																																	
LHD 2/4/5 WSI2T																																	
CVN 77 WSI2T																																	
CVN 77 Interop Dev Test																																	
CVN 77 Interop Cert Test																																	
LHA 4 WSI2T																																	
CVN 74 WSI2T																																	
LPD 21/22/23																																	
CVN 65/71/72/75 WSI2T (65/71 in 2006 only)																																	
LHD 7 WSI2T																																	
CVN 70 WSI2T																																	
CVN 68 WSI2T																																	
LHD 8 WSI2T																																	
NAVY JOINT TEST																																	

The shaded bars reflect test windows and are not indicators of progress.

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Exhibit R-4a, Schedule Detail						DATE: February 2007			
APPROPRIATION/BUDGET ACTIVITY RDT&E,N/BA-4						PROJECT NUMBER AND NAME 0164 CSI/SFI			
Schedule Profile	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY2013	
AEGIS 7.1R Interop Cert Test (Unfunded)		1Q							
BMD 4.0 Interop Dev Test			1Q						
BMD 4.0 Interop Cert Test				1Q					
AWS 7.1C Interop Dev Test (Unfunded)			2Q						
AWS 7.1C Interop Cert Test (Unfunded)				2Q					
DDG MODERNIZATION		TBD	TBD	TBD	TBD	TBD	TBD	TBD	
DDG (M) Interop Dev Test						2Q			
DDG (M) Interop Cert Test							2Q		
DD(X)					TBD	TBD	TBD	TBD	
CVN 21					TBD	TBD	TBD	TBD	
CVN 21 Interop Dev Test		TBD	TBD	TBD	TBD	TBD	TBD	TBD	
LCS 2 (TEST REQTS TBD)			TBD						
LPD 17/18/19/20 WSI2T		1Q		1Q		1Q			
CVN 68 Interop Dev Test		1Q							
CVN 68 Interop Cert Test			1Q						
CVN 73 WSI2T		2Q							
CVN 76/69 Interop Cert Test		2Q							
CVN 69 WSI2T		2Q							
SEE -01	1Q	2Q	1Q	2Q	1Q	2Q	1Q	2Q	
SEE -02	1Q	3Q	2Q	3Q	2Q	3Q	2Q	3Q	
SEE -03	2Q	4Q	3Q	4Q	3Q	4Q	3Q	4Q	
SEE -04	3Q								
LHA 1/5 WSI2T	1Q, 2Q		2Q, 3Q						
LHA 6 WSI2T (LHA R)						2Q			
FFG Level 13 WSI2T	3Q								
CVN 76 WSI2T		1Q, 2Q, 3Q							
LSD 41/49 WSI2T (Funded by Program Office)		2Q							
LHD 2/4/5 WSI2T	4Q			1Q, 2Q					
CVN 77 WSI2T			1Q, 2Q						
CVN 77 Interop Dev Test		2Q							
CVN 77 Interop Cert Test			2Q						
LHA 4 WSI2T	2Q, 3Q, 4Q	1Q, 2Q	3Q						
CVN 74 WSI2T	2Q, 3Q	2Q, 3Q							
LPD 21/22/23		2Q, 3Q	1Q		1Q				
CVN 65/71/72/75 WSI2T (65/71 2006 Only)	2Q	1Q	4Q		1Q, 2Q, 3Q, 4Q				
LHD 7 WSI2T	4Q			1Q, 2Q					
CVN 70 WSI2T			4Q						
CVN 68 WSI2T	2Q	2Q,3Q, 4Q	1Q						
LHD 8 WSI2T			1Q						
NAVY JOINT TEST	3Q/4Q	2Q/3Q/4Q							

EXHIBIT R4, Schedule Profile																		DATE: February 2007														
APPROPRIATION/BUDGET ACTIVITY PROGRAM ELEMENT NUMBER AND NAME																		PROJECT NUMBER AND NAME														
RDT&E/NBA-4		0603582N SFI																0164														
Fiscal Year Quarter	2006				2007				2008				2009				2010				2011				2012				2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
SEE 05-06	△																															
DEP VV&A	△																															
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DEP VV&A																																

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification		DATE: February 2007
APPROPRIATION/BUDGET ACTIVITY RDT&E,N/BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603582N CSI/SFI	PROJECT NUMBER AND NAME 9999 / Various Congressional Plus Ups

B. Accomplishments/Planned Program (Cont.)

FY06/FY07 Congressional Plus Ups

Trouble Report Information Database	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	0.986	0.000	0.000	0.000
RDT&E Articles Quantity	N/A	N/A	N/A	N/A

These funds were provided by Congressional Plus Up.
Project 0164C. Funds provided to extend the Knowledge Management System of the Trouble Report Warehouse to use business modeling practices to monitor Combat System baselines and to alert stakeholders and technical warrant holders of issues that effect Warfare Systems Engineering certification.

Visualization & Service-Oriented Architecture for Strike Force Interoperability	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	0.000	0.996	0.000	0.000
RDT&E Articles Quantity	N/A	N/A	N/A	N/A

These funds were provided by Congressional Plus Up.
Project 9A02N. Funds provide end-to-end support for the management and execution of a Department of Defense effort to monitor, manage and enforce interoperability of Command, Control, Computers, Communications and Intelligence (C4I) and Combat Systems Command, Control, Computers Communications and Intelligence (C5I) systems installed aboard US Navy vessels and those installed or in use at shore stations and joint and coalition units operating with those vessels. It includes business process modeling, program management systems support, requirements analysis, architectural design, systems engineering support, web application development within existing web applications, visualization tool development, configuration management, testing and results analysis.

Open Architecture/Maintenance Free Operating Period (OA/MFOP)	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	0.000	1.295	0.000	0.000
RDT&E Articles Quantity	N/A	N/A	N/A	N/A

These funds were provided by Congressional Plus Up.
Project 9999N. Congressional Add for Open Architecture/Maintenance Free Operating Period (OA/MFOP).