CLASSIFICATION:	UNCLASSIFIED			
EXHIBIT R-2, RDT&E BUDGET ITEM JUSTIFICATION				DATE May 2009
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 4**		R-1 ITEM NOMENCLATURE **0603582N/COMBAT SYSTEM INTEGRATION**		
COST (In Millions)		FY 2008	FY 2009	FY 2010
Total PE Cost		52.316	64.172	22.558
0164 / COMBAT SYSTEM INTEGRATION		50.773	64.172	22.558
9999 / CONGRESSIONAL ADDS		1.543	0.000	0.000

A. MISSION DESCRIPTION:

Project 0164: Combat System Integration:

COMNAVSEASYSCOM (SEA 05W) is assigned central Navy responsibility for interoperability, directing the development of policy and architecture for Strike Force (SF) warfare systems engineering and implementation of a common warfare systems engineering process. Furthermore, SEA 05W provides top level direction and execution for certification and assessments which support capability and quality for ships and submarines. SEA 05W has developed processes and tools including the establishment of a force-level warfare systems engineering process, stewardship of the introduction of Combat Systems Command, Control, Computers, Communications and Intelligence (C5I) modernization and improvement into the Fleet Response Plan (FRP), Command & Control, Communications, Computers, & Combat Systems Installation Master Plan (C5IMP) process, 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 SF configuration management through the FRP, shore based testing and WSI2T certification of operational computer systems in a test environment similar to their ultimate shipboard operational environment, and Interoperability Assessments (IA) which are a prerequisite for operational certification of the ships in SF configurations prior to their deployment. Force Certification of deploying ships in SF configurations is accomplished through the utilization of the Navy's DEP, which provides operational configurations for all Naval combat systems located at multiple Navy land-based sites located across the country and connected via Asynchronous Transfer Mode (broadband switching and transmission technology, 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 U. S. Fleet Forces Command requirement that all SFs undergo IA testing in the DEP prior to deployment. Further, the DEP provides the mechanism to support the Navy's participation in the Joint testing environments as well as the coalition forces through the Combined Forces Battle Laboratories (CFBL) network to allow for assessments of both Joint and Coalition interoperability. Program focus in FY10 shifts from legacy systems to new systems and platforms under development.

As the Navy embarks on Navy Open Architecture (OA), Common Network Interface (CNI) has been selected for upgrade on the LHA, LHD, and LSD ship classes. CNI is an open interface system that modernizes legacy amphibious ships that support the Expeditionary Strike Group (ESG). CNI uses Commercial Off The Shelf (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 to the warfighter. CNI provides rapid operational capability upgrades via a Rapid Capability Insertion Process (RCIP) using primarily software upgrades. CNI allows for the implementation of the

Integrated Architecture Behavior Model (IABM), FORCEnet and Network centric connectivity by providing the necessary fleet support activities which include: systems engineering support, software support, and integrated logistics support (ILS) to ensure proper coordination and connectivity of hardware and software components for accurate operation.

The Navy has also approved the Amphibious Air Warfare (AAW) and Amphibious Improvement Program (AIP) which will integrate Close-In Weapon System (CIWS) radar into the combat system. This is a significant change in how the combat system operates and requires modification of existing test beds to prove this concept and certify it for development. Additional capabilities that also require certification for deployment are Adaptive Engage Control (AEC), next generation Command and Control Processor (C2P) with Joint Range Extension (JRE) and the introduction of Mode 5.

The Navy, through Automated Test and Retest (ATRT), is developing an automated test capability applicable at each phase of software development that provides reproducible, quantitative evaluation of software performance in a cost and time effective manner. ATRT capability will enable acceleration for testing and re-testing of open architecture software and reinforce a requirement to expedite software implementations and upgrades. ATRT implementations target AEGIS Combat System and the Joint Single Integrated Air Picture (SIAP) Programs within development and the Ship Self Defense System (SSDS) Program within production to demonstrate savings for test and evaluation evolutions throughout the acquisition lifecycle.

B. PROGRAM CHANGE SUMMARY:

Funding:	FY 2008	FY 2009	FY 2010
FY09 President's Budget	53.872	54.401	40.257
FY10 President's Budget	52.316	64.172	22.558
Total Adjustments	-1.556	9.771	-17.699
(U) Summary of Adjustments			
Congressional Rescissions	0.000	0.000	0.000
Congressional Adjustments	0.000	9.826	0.000
SBIR/STTR/FTT Assessment	-0.487	0.000	0.000
Program Adjustments	-1.069	-0.023	-17.529
Rate/Misc Adjustments	0.000	-0.032	-0.170
Total	-1.556	9.771	-17.699

C. OTHER PROGRAM FUNDING SUMMARY:

Related RDT&E: Computer programs developed under these programs are tested in their integrated configuration.

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)

Related Procurement:

Line Item No. and Name	FY 2008	FY 2009	FY 2010	Total Cost
OPN 296000 (ICSTF/DEP): Integrated Combat System Test Facilities/Distributed Engineering Plant	4.349	4.545	4.423	13.317

D. ACQUISITION STRATEGY:

RDTEN funding under this line supports independent certification of the integration of major capability upgrades acquired by Program Executive Offices (PEOs) into host Navy Platforms and Strike Forces. The RDTEN engineering and certification activities at field sites does not involve direct procurement of equipment or engineering services, and hence no acquisition strategy is required. The major capability upgrades evaluated under this program fall under their associated PEOs' acquisition strategies.

E. MAJOR PERFORMERS:

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).

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION			DATE May 2009
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 4**	PROGRAM ELEMENT NUMBER AND NAME **0603582N/COMBAT SYSTEM INTEGRATION**		PROJECT NUMBER AND NAME **0164/COMBAT SYSTEM INTEGRATION**

COST (In Millions)	FY 2008	FY 2009	FY 2010
Project Cost	50.773	64.172	22.558
RDT&E Articles Qty	0	0	0

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

Project 0164: Combat System Integration:

COMNAVSEASYSCOM (SEA 05W) is assigned central Navy responsibility for interoperability, directing the development of policy and architecture for Strike Force (SF) warfare systems engineering and implementation of a common warfare systems engineering process. Furthermore, SEA 05W provides top level direction and execution for certification and assessments which support capability and quality for ships and submarines. SEA 05W has developed processes and tools including the establishment of a force-level warfare systems engineering process, stewardship of the introduction of Combat Systems Command, Control, Computers, Communications and Intelligence (C5I) modernization and improvement into the Fleet Response Plan (FRP), Command & Control, Communications, Computers, & Combat Systems Installation Master Plan (C5IMP) process, 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.

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CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)		DATE May 2009
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 4**	PROGRAM ELEMENT NUMBER AND NAME **0603582N/COMBAT SYSTEM INTEGRATION**	PROJECT NUMBER AND NAME **0164/COMBAT SYSTEM INTEGRATION**

The Navy has also approved the Amphibious Air Warfare (AAW) and Amphibious Improvement Program (AIP) which will integrate Close-In Weapon System (CIWS) radar into the combat system. This is a significant change in how the combat system operates and requires modification of existing test beds to prove this concept and certify it for development. Additional capabilities that also require certification for deployment are Adaptive Engage Control (AEC), next generation Command and Control Processor (C2P) with Joint Range Extension (JRE) and the introduction of Mode 5.

The Navy, through Automated Test and Re-Test (ATRT), is developing an automated test capability applicable at each phase of software development that provides reproducible, quantitative evaluation of software performance in a cost and time effective manner. ATRT capability will enable acceleration for testing and re-testing of open architecture software and reinforce a requirement to expedite software implementations and upgrades. ATRT implementations target AEGIS Combat System and the Joint Single Integrated Air Picture (SIAP) Programs within development and the Ship Self Defense System (SSDS) Program within production to demonstrate savings for test and evaluation evolutions throughout the acquisition lifecycle.

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION		DATE May 2009
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 4**	PROGRAM ELEMENT NUMBER AND NAME **0603582N/COMBAT SYSTEM INTEGRATION**	PROJECT NUMBER AND NAME **0164/COMBAT SYSTEM INTEGRATION**

B. ACCOMPLISHMENTS/PLANNED PROGRAM:

	FY 2008	FY 2009	FY 2010
Strike Force Requirements Engineering and Analysis (SF)	2.600	3.000	0.000
RDT&E Articles Quantity	0	0	0

This program maps current interoperability requirements to new ships, such as CVN 21, DDG 1000 and LCS. In FY08, the program implemented multi-mission scenarios and interoperability test requirements, evaluated interoperability performance, and advised the Fleet of critical interoperability capabilities and limitations. Implementation of these standards is essential to evaluate emerging combat system capabilities, such as in CG/DDG modernization, LCS and CVN 21.
In FY09, will conduct the same level of effort for multi-mission scenarios and interoperability test requirements, evaluate interoperability performance, and advise the Fleet of critical interoperability capabilities and limitations.

	FY 2008	FY 2009	FY 2010
Platform/Strike Force Certification	15.000	15.510	11.649
RDT&E Articles Quantity	0	0	0

This program conducts Interoperability Assessments (IA) in support of the Naval Warfare System Certification Plan (NWSCP) using the Distributed Engineering Plant (DEP).
FY08: three (3) Systems Engineering Events (SEEs) were conducted for root-cause determination of key interoperability problems and to support development of new force-level warfare system capabilities such as Shipboard Gridlock System (SGS), Fleet requirements and Global Command and Control System (GCCS). Four (4) IAs were conducted for Cruiser Modernization, Ship Self Defense System (SSDS) platforms, AEGIS Weapon System (AWS) 7.1R and CVN 68 Open Architecture (OA).
FY09: will conduct the same level of effort for IA testing while expanding the number of SEE events from three (3) to five (5) in order to continue support for GCCS, SGS, Fleet and other associated programs under development.
FY10: the program will support two (2) IAs (new ships have priority) and no SEEs.

	FY 2008	FY 2009	FY 2010
Fleet Response Plan (FRP)	7.470	8.001	4.240
RDT&E Articles Quantity	0	0	0

FY08: efforts continued implementation of the Fleet Response Plan (FRP) by providing support from the Strike Force (SF) Interoperability Teams which included On-Site-Reps, Project Engineers, Fleet Liaisons, and Strike Force Interoperability Officers (SFIOs). The program supported FRP milestones related to the Command Control Communication Computer and Combat Systems Modernization Process (C5IMP).
FY09: efforts focused on transitioning work to support minimum sustainability of Capabilities and Limitations (C&L) documentation. FY09 efforts decreased evaluation from 27 originally planned to 14 Strike Groups within the D-6 window in order to continue development and distribution of Strike Group C&L documentation. This includes support to meet Emergency Surge, Surge, Normal Deployment, and includes Center for Surface Combat Systems (CSCS) training events with updated material from documented findings/results of underway and Interoperability Certification test events.
FY10: the program will support SFIOs.

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)		DATE May 2009
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 4**	PROGRAM ELEMENT NUMBER AND NAME **0603582N/COMBAT SYSTEM INTEGRATION**	PROJECT NUMBER AND NAME **0164/COMBAT SYSTEM INTEGRATION**

	FY 2008	FY 2009	FY 2010
Combat Systems Certification In Support of Platform Certification	4.800	5.500	2.169
RDT&E Articles Quantity	0	0	0

FY08: Certification efforts included 11 Warfare System Integration and Interoperability Testing (WSI2T) events, 14 Platform Certification Decisions (PCDs) and 9 Initial Platform Certification Decisions (IPCDs). Additional FY08 testing was conducted for Common Data Link Management System (CDLMS-3.X-4), SSDS Engineering Updates (EUs) 1-5, Adaptive Engagement Control (AEC) Retest, NAVSSI GPS VME Receiver Card (GVRC), and NAVSSI 30 second Satellite Patch.
FY09: the program will conduct 9 WSI2Ts, 11 PCDs and 11 IPCDs.
FY10: the program will continue planning for out-year testing.

	FY 2008	FY 2009	FY 2010
Navigation System Certification (NAVCERT)	0.000	1.500	1.500
RDT&E Articles Quantity	0	0	0

NAVSEAINST 9420.4, dated May 02 requires that a Navigation System Certification (NAVCERT) be performed as a result of: initial installation/new construction, major system overhaul/modification/repair when it is determined to impact the accuracy of navigation data, changes to the navigation baseline configuration, or elapsed time of more than five (5) years since previous NAVCERT. A NAVCERT certifies to NAVSEA, Ship Program Managers (SPMs), Type Commanders (TYCOMs), and Fleet that the Shipboard Navigation Systems are: properly installed and in good physical condition, operating to specified accuracy and requirements under both dockside (static) and at-sea (dynamic) conditions, calibrated and operating to required performance specifications, and that analog and digital navigation data is transmitted and received within specified limits to all shipboard users, specifically Combat, aircraft landing and weapon systems. A successful NAVCERT, indicating the Integrated Navigation Suite is certified, is required for Platform Certification Decision (PCD) Milestones and Tactical Tomahawk Weapons Control System (TTWCS), Precision Approach and Landing System (PALS), and the Electronic Charting and Display System (ECDIS-N) Certification Test Program. Fleet Message CNSF 211506Z, dated Nov 05, highlights the need to validate safety of navigation as critical to assurance of operational readiness.

FY09: 31 ships require NAVCERT, specifically 20 CRUDES, five (5) aircraft carriers, and six (6) amphibious ships.
FY10: 27 ships require NAVCERT, specifically 21 CRUDES, two (2) aircraft carriers, and four (4) amphibious ships.

	FY 2008	FY 2009	FY 2010
DEP Engineering and Operations	7.353	7.161	3.000
RDT&E Articles Quantity	0	0	0

Performs systems engineering, and operations functions to ensure Distributed Engineering Plant (DEP) infrastructure supports testing of combat system baselines. The program conducts systems engineering to identify simulation/stimulation requirements necessary to achieve required fidelity for DEP testing at Navy laboratory sites through verification, validation and accreditation (VV&A).
FY08: Corona network bandwidth was upgraded to help decrease transfer time and the Defense Information System Network (DISN) was transferred from commercial to government circuits.
FY09: new projected nodes include upgrading Surface Combat Systems Center (SCSC) node into a full node and adding one (1) new node to support LCS. In FY10, nodes that have legacy baselines will no longer be supported in order to accommodate new nodes.
FY10: the program will support one VV&A event.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)			DATE May 2009
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 4**	PROGRAM ELEMENT NUMBER AND NAME **0603582N/COMBAT SYSTEM INTEGRATION**	PROJECT NUMBER AND NAME **0164/COMBAT SYSTEM INTEGRATION**	

	FY 2008	FY 2009	FY 2010
ATRT Automated Test and Re-Test	0.000	10.000	0.000
RDT&E Articles Quantity	0	0	0

Automated Test and Re-Test (ATRT) Capability implementations target AEGIS Combat System the Joint Single Integrated Air Picture (SIAP) Programs within development and the Ship Self Defense System (SSDS) Program within production to demonstrate savings for test and evaluation evolutions throughout the acquisition lifecycle.

FY09 Plan: Targeted demonstrations for AEGIS Combat Systems, SIAP and SSDS to demonstrate capability and savings for test evolutions throughout the acquition lifecycle.

	FY 2008	FY 2009	FY 2010
CNI/OA Transformation Roadmap	13.550	13.500	0.000
RDT&E Articles Quantity	0	0	0

Common Network Interface/ Open Architecture (CNI/OA) Transformation Roadmap

FY08 Plan: Continue systems engineering support, software support, and integrated logistics support (ILS) to ensure proper coordination and connectivity of hardware and software components for accurate operation.

FY09 Plan: Continue systems engineering support, software support, and integrated logistics support (ILS) to ensure proper coordination and connectivity of hardware and software components for accurate operation.

CLASSIFICATION:	UNCLASSIFIED								
EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS							DATE May 2009		
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 4**		PROGRAM ELEMENT NUMBER AND NAME **0603582N/COMBAT SYSTEM INTEGRATION**			PROJECT NUMBER AND NAME **0164/COMBAT SYSTEM INTEGRATION**				
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY Cost ($000)	FY 2009 Cost ($000)	FY 2009 Award Date	FY 2010 Cost ($000)	FY 2010 Award Date	Total Cost ($000)	Target Value of Contract
SF Requirements Engineering & Analysis	WX/RX/PD	Various NSWCs	3.657	1.500	OCT-08	0.000	OCT-09	5.157	0.000
SF Requirements Engineering & Analysis	WX/RX/PD	Various Non-NSWCs	3.795	1.500	OCT-08	0.000	OCT-09	5.295	0.000
Platform/Strike Force Certification	WX/RX/PD	Various NSWCs	20.550	6.000	OCT-08	6.000	OCT-09	32.550	0.000
Platform/Strike Force Certification	WX/RX/PD	Various Non-NSWCs	13.097	7.510	OCT-08	4.049	OCT-09	24.656	0.000
Fleet Response Plan (FRP)	WX/RX/PD	Various NSWCs	15.401	6.811	OCT-08	3.240	OCT-09	25.452	0.000
Fleet Response Plan (FRP)	WX/RX/PD	Various Non-NSWCs	1.050	0.200	OCT-08	1.000	OCT-09	2.250	0.000
Combat Systems Cert ISO Platform Cert	WX/RX/PD	Various NSWCs	15.055	5.000	OCT-08	2.169	OCT-09	22.224	0.000
Combat Systems Cert ISO Platform Cert	WX/RX/PD	Various Non-NSWCs	1.883	0.000	N/A	0.000	N/A	1.883	0.000
Navigation System Certification	WX/RX/PD	Various NSWCs	0.000	1.500	OCT-08	1.500	OCT-09	3.000	0.000
DEP Engineering and Operations	WX/RX/PD	Various NSWCs	10.371	3.190	OCT-08	1.200	OCT-09	14.761	0.000
DEP Engineering and Operations	WX/RX/PD	Various Non-NSWCs	7.362	3.561	OCT-08	1.200	OCT-09	12.123	0.000
CNI/Design Agent	CPAF	General Dynamics	38.626	9.300	N/A	0.000	N/A	47.926	0.000
CNI/Software Engineering	WX/RX/PD	NSWC Dahlgren	6.383	2.000	N/A	0.000	N/A	8.383	0.000
CNI/Test and Evaluation	WX/RX/PD	CDSA	2.922	1.000	N/A	0.000	N/A	3.922	0.000
CNI/Systems Engineering	WX/RX/PD	NSWC PHD	2.145	0.500	N/A	0.000	N/A	2.645	0.000
CNI/Miscellaneous	WX/RX/PD	VARIOUS	6.829	0.700	N/A	0.000	N/A	7.529	0.000
OA Automated Test and Retest	WX/RX/PD	Various NSWCs	8.500	10.000	N/A	0.000	N/A	18.500	0.000
Contract Engineering Support	VARIOUS	VARIOUS	8.459	2.000	NOV-08	1.000	NOV-09	11.459	0.000
Contract Program Management Support	VARIOUS	VARIOUS	4.041	1.600	NOV-08	1.000	NOV-09	6.641	0.000
Travel	PD	NAVSEA TRAVEL	0.850	0.300	SEP-09	0.200	SEP-10	1.350	0.000
Interoperability Fixes	WX/RX/PD	Various NSWCs	1.500	0.000	N/A	0.000	N/A	1.500	0.000
Subtotal Product Development			**172.476**	**64.172**		**22.558**		**259.206**	**0.000**

Remarks:

NAVSEA implemented standard document issuance to streamline and reduce the number of documents executed which was approved by FMB and OMB. Forms explained below:

WX: WR & RCP Combination

RX: RCP

PD: Program Directive

WX: Form 2276A

Total Cost	**172.476**	**64.172**		**22.558**		**259.206**	**0.000**

EXHIBIT R-4, SCHEDULE PROFILE

DATE
May 2009

APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
RDTEN/BA 4	0603582N/COMBAT SYSTEM INTEGRATION	0164/R4 Page 2 Combat System Integration

Fiscal Year	2008				2009				2010			
AWS 7.1C Interop Assessment Test (Unfunded)		2				2						
DDG (M) Interop Assessment Test						2						
LCS 2 WSI2T							3	4				
CVN 68 Interop Assessment Test			3							2	3	
CVN 73 WSI2T											3	
CVN 75 WSI2T											3	4
CVN 69 WSI2T										2	3	
SEE -01	1					2						
SEE -02		2					3					
SEE -03				4				4				
LSD 41/49 WS2IT						2	3					
LHA 5 WSI2T			3	4								
AEGIS BMD			3									
FFG Level 13 WSI2T			3				3					
LHD 8 WSI2T						2	3					
CVN 76 WSI2T						2	3					

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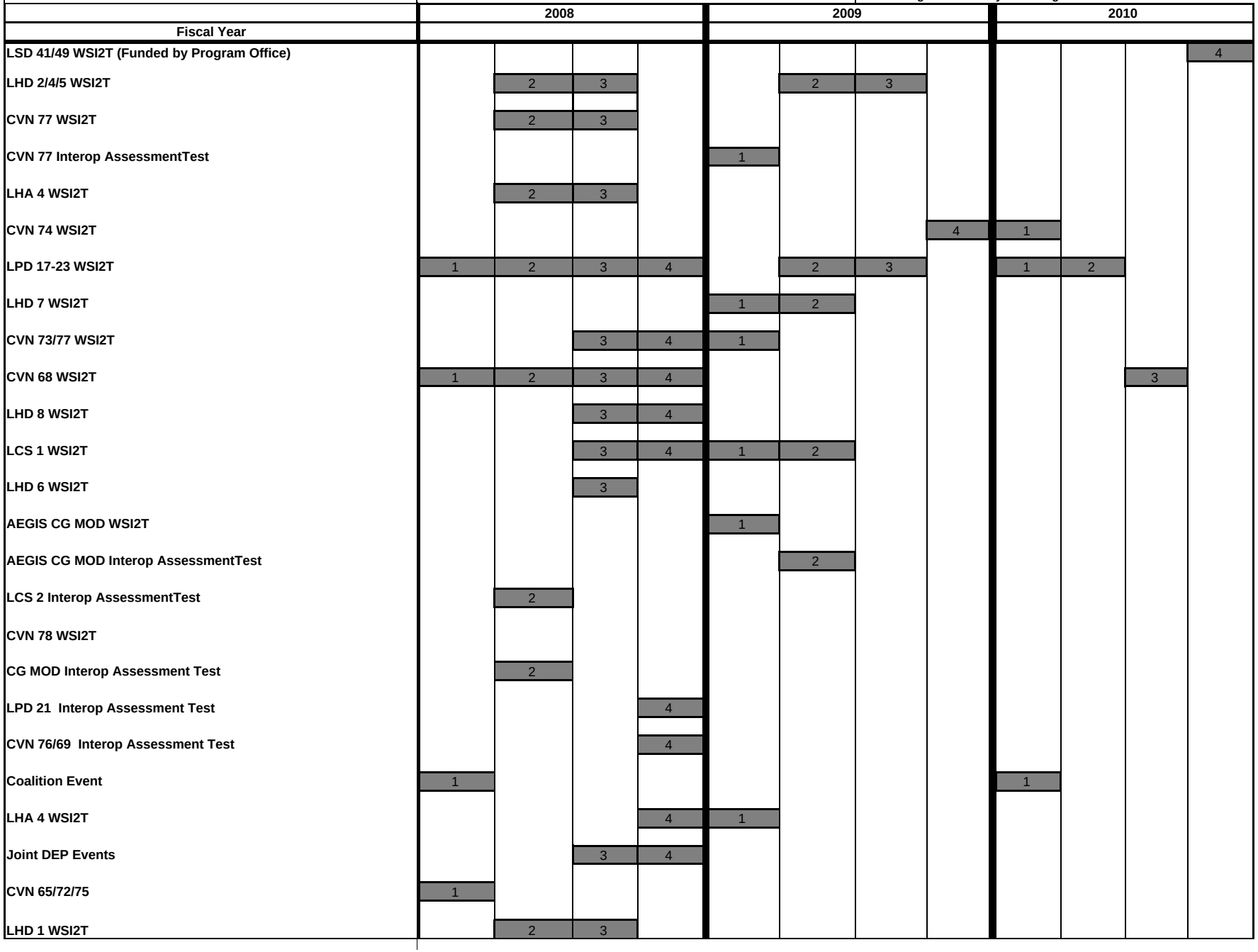
CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT R-4, SCHEDULE PROFILE			DATE May 2009
APPROPRIATION/BUDGET ACTIVITY RDTEN/BA 4	PROGRAM ELEMENT NUMBER AND NAME 0603582N/COMBAT SYSTEM INTEGRATION	PROJECT NUMBER AND NAME 0164/R4 Page 2 Combat System Integration	



CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT R-4a, SCHEDULE DETAIL			DATE May 2009
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 4**	PROGRAM ELEMENT NUMBER AND NAME **0603582N/COMBAT SYSTEM INTEGRATION**		PROJECT NUMBER AND NAME **0164/COMBAT SYSTEM INTEGRATION**

Schedule Profile	FY 2008	FY 2009	FY 2010
AWS 7.1C Interop Assessment Test (Unfunded)	2Q	2Q	
DDG (M) Interop Assessment Test		2Q	
LCS 2 WSI2T		3Q, 4Q	
CVN 68 Interop Assessment Test	3Q		2Q, 3Q
CVN 73 WSI2T			3Q
CVN 75 WSI2T			3Q, 4Q
CVN 69 WSI2T			2Q, 3Q
SEE - 01	1Q	2Q	
SEE - 02	2Q	3Q	
SEE - 03	4Q	4Q	
LSD 41/49 WSI2T		2Q, 3Q	
LHA 5 WSI2T	3Q, 4Q		
AEGIS BMD	3Q		
FFG Level 13 WSI2T	3Q	3Q	
LHD 8 WSI2T		2Q, 3Q	
CVN 76 /69WSI2T		2Q, 3Q	

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT R-4a, SCHEDULE DETAIL			DATE May 2009
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 4**	PROGRAM ELEMENT NUMBER AND NAME **0603582N/COMBAT SYSTEM INTEGRATION**		PROJECT NUMBER AND NAME **0164/R4 Page 2 Combat System Integration**

Schedule Profile	FY 2008	FY 2009	FY 2010
LSD 41/49 WSI2T (Funded by Program Office)			4Q
LHD 2/4/5 WSI2T	2Q,3Q	2Q,3Q	
CVN 77 WSI2T	2Q,3Q		
CVN 77 Interop Assessment Test		1Q	
LHA 4 WSI2T	2Q,3Q		
CVN 74 WSI2T		4Q	1Q
LPD 17-23 WSI2T	1Q,2Q,3Q,4Q	2Q,3Q	1Q, 2Q
LHD 7 WSI2T		1Q,2Q	
CVN 73/77 WSI2T	3Q, 4Q	1Q	
CVN 68 WSI2T	1Q,2Q,3Q,4Q		3Q
LHD 8 WSI2T	3Q,4Q		
LCS 1 WSI2T	3Q,4Q	1Q,2Q	
LHD 6 WSI2T	3Q		
AEGIS CG MOD WSI2T		1Q	
AEGIS CG MOD Interop Assessment Test		2Q	
LCS 2 Interop Assessment Test	2Q		
CVN 78 WSI2T			
CG MOD Interop Assessment Test	2Q		
LPD 21 Interop Assessment Test	4Q		
CVN 76/69 Interop Assessment Test	4Q		
Coalition Event	1Q		1Q
LHA 4 WSI2T	4Q	1Q	
Joint DEP Events	3Q,4Q		
CVN 65/72/75 WSI2T	1Q		
LHD 1 WSI2T	2Q,3Q		

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION		DATE May 2009
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 4**	PROGRAM ELEMENT NUMBER AND NAME **0603582N/COMBAT SYSTEM INTEGRATION**	PROJECT NUMBER AND NAME **9999/CONGRESSIONAL ADDS**

B. ACCOMPLISHMENTS/PLANNED PROGRAM:

	FY 2008	FY 2009	FY 2010
9B88A Automated Test and Re-Test Capability	1.543	0.000	0.000
RDT&E Articles Quantity	0	0	0

Congressional add funds to support software engineering upgrades to enable rapid test and re-test of open architecture software modules and associated improvements.
Beginning in FY08, funding is being utilized to define and develop the methodology for automating the test of Combat Systems. The maturing of this effort intends to transition the programming of Automated Testing and Re-Testing (ATRT) capability by FY10.