CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification	DATE: May 2009
APPROPRIATION/BUDGET ACTIVITY **RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-7**	R-1 ITEM NOMENCLATURE PE: 0305208N TITLE: Distributed Common Ground System - Navy

COST ($ in Millions)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Total PE Cost	**21.141**	**44.222**	**18.079**					
2174 Distributed Common Ground System - Navy (DCGS-N)	**19.154**	**44.222**	**18.079**					
9999 Congressional Add	**1.987**	**0.000**	**0.000**					

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

The Distributed Common Ground System – Navy (DCGS-N) is the Navy's portion of the Department of Defense (DOD) DCGS effort. DOD has defined a DCGS architecture that will be verifiably compatible and interoperable across all of the Services' Intelligence, Surveillance and Reconnaissance (ISR) systems and operations. The DOD DCGS will access and ingest data from space borne, airborne, subsurface, and surface ISR collection assets, intelligence databases and intelligence producers. This collected data will be shared across a Joint enterprise using the DCGS Integration Backbone (DIB) to enhance interoperability of ISR information across joint forces through the use of common enterprise standards and services. It will support Joint Task Force (JTF)-level combat operations and support JTF commanders and below with critical intelligence for battle management and information dominance across the full spectrum of operations, including peace, conflict, war, and the Global War on Terrorism. DCGS is a cooperative effort between the services, agencies, and DOD to provide systems capable of receiving, processing, exploiting, and disseminating data from airborne and national reconnaissance platforms. DCGS is further subdivided into systems which process, exploit, and disseminate Measurements Analysis and Signatures Intelligence (MASINT) data, Signals Intelligence (SIGINT) data, Multi-Intelligence Reconnaissance data, and Imagery data.

The DCGS-N system represents the integration of: 1) The processing and exploitation of tactical and Imagery Intelligence (IMINT) and Signal Intelligence (SIGINT); 2) Precision target geopositioning, mensuration, and imagery dissemination capabilities; 3) Selected national IMINT requirements and processing capabilities from the National Geospatial-Intelligence Agency (NGA); and 4) Sharing of Intelligence, Surveillance, Reconnaissance and Targeting (ISR&T) and Command and Control (C2) information via DIB and Net-Centric Enterprise Services (NCES) standards with a wide range of anticipated and unanticipated customers (e.g., Global Command and Control System - Maritime, GCCS-M).

DCGS-N will become part of the DOD DCGS Network Enterprise via DCGS Integration Backbone (DIB) standards. DCGS-N will stay abreast of evolving requirements and ensure compliance with the DOD DCGS network architecture. Engineering work is funded to migrate legacy Joint Fires Network (JFN)/ Joint Services Imagery Processing System - Navy (JSIPS-N) capabilities to this network environment. The government is the integrator for the DCGS-N system

The Navy is focusing on establishing an ISR Enterprise way ahead that will emphasize a reach back strategy with a focus on Maritime Operations Center (MOC) activities providing intelligence products to support deployed ship and shore operations. The Navy will also initiate migration to a Service Oriented Architecture (SOA) that requires the development, integration, and testing of ISR Enterprise capability (MOC to MOC to afloat), development and migration of ISR SOA applications, and development and integration to leverage the Integrated Shipboard Network System (ISNS) strategy for a Common Computing Environment (CCE). This effort has resulted in a realignment of the program, replacing the DCGS-N 1.1 with a redesigned, smaller, maintainable, less expensive system that will eventually migrate to the CCE aboard ship and shift the focus of the program to producing SOA ISR applications. Additionally, DCGS-N will become the focal point for migration of Maritime Domain Awareness (MDA) fusion and analysis tool applications for the Navy. As a result, the funding profile was modified to revise the procurement schedule, maintain the equipment support line, and focus on product improvement for migration to the CCE and support to fielded systems until replaced by DCGS-N systems.

Integrated Imagery and Intelligence (I3) funding transitions into the DCGS-N PE 0305208N beginning in FY10 (funds were previously budgeted under the Tactical Command System budget PE 0604231N). The Navy's Integrated Imagery and Intelligence Applications (I3 Apps) are an integrated set of applications designed to support tactical intelligence processing and provide a useful integration framework to ensure joint intelligence interoperability across the Global Command and Control System (GCCS) and Distributed Common Ground System (DCGS) enterprise. Development of I3 applications includes end to end intelligence analysis applications that leverage the Modernized Integrated Database (MIDB) and military integration with NGA-provided digital map and imagery systems. I3 imagery applications provide for archiving, viewing and measurement of still and video images. This effort is also continuing the transition to Commercial Off The Shelf (COTS) hardware and software. The Navy's I3 effort is part of the Military Intelligence Program (MIP), managed by the Secretary of Defense through the Assistant Secretary of Defense for Command, Control, Communications, Computers and Intelligence (C4I).

Joint Service Imagery Processing System - Navy (JSIPS-N) tech refresh and service life extension upgrades will provide shipboard digital imagery architecture with the capability to receive, exploit, store, and disseminate imagery products based on national, theater, and tactical sensors. JSIPS-N service life extension is comprised of five subsystems: Joint Concentrator Architecture (JCA), Common Geopositioning Service (CGS), Image Product Library (IPL), Imagery Exploitation Support System (IESS), and the Sharp Display System (SDS). JSIPS-N is the Navy's cooperative imagery processing system component in DCGS-N. JSIPS-N service life extension will overcome obsolescence and improve systems reliability until DCGS-N fully replaces JSIPS-N ashore and afloat.

Program Realignments:
The Navy realigned RDTE funds in FY10 from DCGS-N (PE 0305208N) to Ship Communication Automation – SCI Networks (PE 0204163N) and Ship Communication Automation – Integrated Shipboard Network Systems (ISNS) Increment 2 / Consolidated Afloat Networks and Enterprise Services (CANES) (PE 0303138N). These funds have been realigned to develop and integrate ISNS strategy for a CCE. SCI Networks program will start migrating to the ISNS Increment 2 / CANES in FY09. ISNS Inc 2 / CANES will serve to transition numerous Fleet networks to a single, adaptive, available, and secure computing network infrastructure while delivering enhanced technologies in: Integrated Voice, Video, and Data; CCE; SOA; and Multi-Level Security (MLS) / Cross Domain Solutions (CDS). The Navy realigned RDTE funds in FY10 from DCGS-N (PE 0305208N) to Ship Operations Support and Training(OMN 1B2B) to support legacy system (JSIPS-N).

Congressional Adds:
Maritime Intelligence Integration-Shared Situational Awareness - Congressional add funds for continued support of the DCGS-N Experimentation and Analysis Laboratory (DEAL) to effect network-centric requirements through experimentation with Naval Aviation, inter-agency, multi-service and space-based ISR data for increased Maritime Intelligence Integration and sharing of Maritime Domain Situational Awareness.

Advanced Field Artillery Tactical Data Systems (AFATDS) Interoperability - Congressionally added funds for the exchange of information between existing Intelligence, Surveillance, Reconnaissance and Targeting (ISR&T) systems and Command and Control (C2) systems. Significant reduction in the sensor-to-effects timeline can be achieved through enhanced automated information exchange between DCGS-N ISR&T capability and C2, via NCES and DCGS-N Integration Backbone (DIB) standards, offering data producers and consumers a single/common seamless capability for exposing, discovering, publishing and subscribing to ISR&T data, in accordance with DoD Directive 8320.2.

CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification		DATE: May 2009
APPROPRIATION/BUDGET / **RDT&E, N / BA 7**	PROGRAM ELEMENT NUMBER AND NAME PE: 0305208N TITLE: Distributed Common Ground System - Navy	PROJECT NUMBER AND NAME 2174 Distributed Common Ground System - Navy (DCGS-N)

B. PROGRAM CHANGE SUMMARY:

Funding:	FY 2008	FY 2009	FY 2010
FY09 President's Budget	21.141	44.540	43.024
FY10 President's Budget	21.141	44.222	18.079
Total Adjustments	0.000	-0.318	-24.945
Summary of Adjustments			
Program Adjustments		-0.318	-24.804
Rate/Misc Adjustments			-0.141
Subtotal	0.000	-0.318	-24.945

Schedule:

Due to the change in the acquisition status from ACAT II to ACAT IAM the Joint Staff directed review of the DCGS-N Inc I Capability Production Document (CPD). This review, in addition to the approvals of follow-on documentation, added six months to the schedule causing major milestones to slip to the right approximately two quarters i.e. BLK 1 TEMP, INC 1 MS C, and Operational Assessment (OA)/Operational Test (OT). Due to the DCGS-N BLK 1 schedule changes, the BLK 2 schedule has also shifted to the right approximately four quarters i.e. BLK 2 MS C/LD, Operational Assessment (OA)/Operational Test (OT), and Full Rate Production (FRP). DCGS-N Increment 2 has shifted two quarters due to an RDTEN reduction; this will result in BLK 2 fielding thru FY13 with DCGS-N Increment 2 to begin fielding in FY14.

Technical:

Does not have a technical impact.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification		DATE: May 2009
APPROPRIATION/BUDGET ACTIVITY **RDT&E, N / BA-7**	PROGRAM ELEMENT (PE) NUMBER AND NAME PE: 0305208N Distributed Common Ground System - Navy	PROJECT NUMBER AND NAME 2174 Distributed Common Ground System – Navy (DCGS-N)

COST ($ in Millions)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Project Cost	**23.154**	**44.222**	**18.079**					
2174 Distributed Common Ground System – Navy (DCGS-N)	**19.154**	**44.222**	**18.079**					
RDT&E Articles Quantity	4							

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

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CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification		DATE: May 2009
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT (PE) NUMBER AND NAME	PROJECT NUMBER AND NAME
RDT&E, N / BA-7	PE: 0305208N Distributed Common Ground System - Navy	2174 Distributed Common Ground System – Navy (DCGS-N)

(U) B. Accomplishments/Planned Program

DCGS-N	FY 08	FY 09	FY 10	FY 11
Accomplishments/Effort/Subtotal Cost	14.404	40.972	17.079	
RDT&E Articles Quantity	4			

DCGS-N: Primary and ancillary system software design / development and related activities for Distributed Common Ground System - Navy (DCGS-N) Increment 1. These activities include Increment 1 development and operational testing and evaluation, integration of core components, and development of software capabilities to enhance the end-end usability of DCGS-N Increment 1 across the Navy and joint enterprise.

FY08 Accomplishments:
Increment 1: Leveraged DCGS-N 1.1 development efforts for Block 1 architecture development and software development, including migration to the Navy's Common Computing Environment (CCE). Successful development testing of the DCGS-N exploitation suite and the DCGS-N Enterprise Node (DEN), including highly visible participation in the Navy's TRIDENT WARRIOR - 08 Sea Trial process, and the joint EMPIRE CHALLENGE demonstration. Test and Evaluation Master Plan (TEMP) completed in conjunction with Director, Operational Test and Evaluation (DOT&E) and COMOPTEVFOR personnel. Reviewed DCGS-N Increment 1 requirements with Fleet Subject Matter Experts (SMEs), including successful completion of the System Readiness Review (SRR), Preliminary Design Review (PDR) and the Critical Design Review (CDR).
FY09 Plan:
Increment 1: Continue development of DCGS-N Increment 1 Block 1 applications for fielding in migration to a Service Oriented Architecture (SOA) environment. Supports migration of additional SOA applications leveraging the Integrated Shipboard Network System (ISNS) Common Computing Environment (CCE). Begin development of Increment 1 Block 2 capability enhancements, including collection management capabilities, Moving Target Indicator (MTI) processor integration. Begin integration of SOA applications leveraging onto ISNS Incremen 1 CCE hardware. Conduct Shipboard Operational Tests (OT), participating in TRIDENT WARRIOR - 09 Sea Trial and EMPIRE CHALLENGE - 09 demonstration. Begin testing the additional SOA applications in the ISNS CCE. Conduct tests with early adopters where possible.
Increment 2: Begin Capability Development Document (CDD) development efforts and Analysis on Alternatives (AoA) on technology exploration.
FY10 Plan:
Increment 1: Additional migration to the Navy's CCE / Core Enterprise Services (CES). Development of DCGS-N Increment 1 Block 2, including collection management and MTI enhancements, participate in TRIDENT WARRIOR - 10 Sea Trial and EMPIRE CHALLENGE - 10 demonstration.
Increment 2: Continue CDD Development and preparations for Increment 2 Milestone (M/S) B. Continue technology assessments and early AoA work.
I3: Integrated Imagery and Intelligence (I3) funding transitions into the DCGS-N PE 0305208N beginning in FY10, funds were previously budgeted under the Tactical Command System budget PE 0604231N. Continue to conduct operational testing, begin new software development, and provide for the technical migration of standardized, linked intelligence data and imagery software tools and services from a platform-centric model to a services oriented architecture (SOA). The RDT&E focus includes modernizing interfaces between Special Intelligence (SI) Tools and Global Command and Control System (GCCS) / DCGS Middle and Data Tier services and Consolidated Afloat Network Enterprise Services (CANES) Infrastructure and the migration to National Geospatial Intelligence (GEOINT) Core Services (National Geospatial-Intelligence Agency (NGA) SOA), DCGS Enterprise Services. Efforts include support for end to end intelligence analysis tools that leverage Modernized Integrated Database (MIDB), NGA-related digital mapping and imagery products, and other intelligenc support streams, while continuing to ensure joint intelligence interoperability across the GCCS and DCGS enterprise.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification		DATE: May 2009
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT (PE) NUMBER AND NAME	PROJECT NUMBER AND NAME
RDT&E, N / BA-7	PE: 0305208N Distributed Common Ground System - Navy	2174 Distributed Common Ground System – Navy (DCGS-N)

B. Accomplishments/Planned Program

DCGS-N Testbeds	FY 08	FY 09	FY 10	FY 11
Accomplishments/Effort/Subtotal Cost	3.000	1.500	0.000	
RDT&E Articles Quantity				

DCGS-N Testbeds: Funds the Navy's contribution to the Distributed Development, Test, Demonstration, and Experimentation Network.
FY08 Accomplishments: Conducted interoperability Test & Evaluation (T&E) among service and agency DCGS labs, test facilities, etc.
FY09 Plan: Continue coordinated T&E among various service and agency DCGS labs and test facilities to ensure continued interoperability as system changes occur.

Common Security and Discovery Services	FY 08	FY 09	FY 10	FY 11
Accomplishments/Effort/Subtotal Cost	1.000	1.000	1.000	
RDT&E Articles Quantity				

Common Security and Discovery Services: Effort to migrate to common security and discovery services within the DCGS programs via Net-Centric Enterprise Services (NCES). This effort will improve the coordination and the acceleration of the introduction of NCES services into the DCGS/Intelligence, Surveillance and Reconnaissance (ISR) enterprise. This funding provides minimal full-time staffing to support the execution of the project plan.
FY08 Accomplishments: Continued participation in development and demonstration of Core Enterprise Services (CES) and in the Enterprise Services Working Group (ESWG); Continued to follow Pilot Plan, which included expanding services and capabilities.
FY09 Plan: Continue participation in development and demonstration of CES and in the ESWG; Continue to follow Pilot Plan; integrate DCGS testbed capabilities into Project Plan.
FY10 Plan: Continue participation in development and demonstration of CES and in the ESWG; Continue to follow Pilot Plan; integrate DCGS testbed capabilities into Project Plan.

Concept of Operations (CONOPS):	FY 08	FY 09	FY 10	FY 11
Accomplishments/Effort/Subtotal Cost	0.750	0.750	0.000	
RDT&E Articles Quantity				

Concept of Operations (CONOPS):
FY08 Accomplishments: Continued with CONOPS that ensures DCGS interoperability with Services and Coalition partners. This effort maximized ISR processing capability and provided a common understanding of the direction and means to the desired end-state.
FY09 Plan: Continue with CONOPS that ensures DCGS interoperability with Services and Coalition partners. This effort will maximize ISR processing capability and provide a common understanding of the direction and means to the desired end-state.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification		DATE: May 2009
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
RDT&E, N / BA-7	PE: 0305208N TITLE: Distributed Common Ground System - Navy	2174 Distributed Common Ground System – Navy (DCGS-N)

C. OTHER PROGRAM FUNDING SUMMARY:

Line Item No. & Name	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Cost
OPN LI 2914	64.246	38.220	27.632	-	-	-	-	-	Continuing	Continuing

D. ACQUISITION STRATEGY:

The Distributed Common Ground System - Navy (DCGS-N) program will utilize contracting vehicles already in place for the existing Army Tactical Exploitation of National Capabilities (TENCAP) and Joint Services Imagery Processing System – Navy (JSIPS-N) and other fielded programs. The Navy plan is to adapt these programs and develop interoperability with the DCGS Integration Backbone (DIB) standards for support of Navy Network Centric Warfare Time Critical Targeting. The government is the system integrator for the DCGS-N Increment 1 system. For DCGS-N Increment 1 SPAWAR Systems Center (SSC) will also leverage the current Joint Global Command and Control System (GCCS-J) Integrated Imagery and Intelligence (I3) and JSIPS-N and other fielded systems. The DCGS-N Increment 2 acquisition strategy includes the award of a competitive contract for a prime product integrator.

CLASSIFICATION:

Exhibit R-3 Cost Analysis (page 1)

DATE: May 2009

APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT	PROJECT NUMBER AND NAME
RDT&E, N / BA-7	PE: 0305208N TITLE: Distributed Common Ground System - Navy	2174 Distributed Common Ground System – Navy (DCGS-N)

Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 09 Cost	FY 09 Award Date	FY 10 Cost	FY 10 Award Date	FY 11 Cost	FY 11 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Primary Hardware Development	Various	Various	3.621	1.114	Various	1.088	Various					
Primary Hardware Development	CPAF/C	BAE	1.235	0.778	04/09	0.776	12/09					
Ancillary Hardware Development												
Systems Engineering	Various	Various	3.785	18.347	Various	3.759	Various					
Systems Engineering	CPAF/C	JFCOMM	3.709	1.925	12/08	1.424	12/09					
Systems Engineering	CPAF/C	BAE	13.523	6.601	04/09	3.117	12/09					
Systems Engineering	CPAF/C	LMSI	1.327	2.449	12/08	1.156	12/09					
Licenses												
Tooling												
GFE												
Award Fees												
Subtotal Product Development			27.200	31.214		11.320						
Remarks:												
Development Support	CPAF/C	Various	2.297	1.570	Various	0.269	Various					
Software Development	CPAF/C	BAE	14.353									
Training Development												
Integrated Logistics Support	Various	NSWC PH, L3, SAIC	0.802	2.980	Various	1.598	Various					
Configuration Management	CPAF/C	L3	0.309	1.570	01/09	1.168	12/09					
Technical Data	WX	NSWC PH	0.124	0.228	11/08	0.107	11/09					
GFE												
Subtotal Support			17.885	6.348		3.142						
Remarks:												

Exhibit R-3, Project Cost Analysis

CLASSIFICATION:

Exhibit R-3 Cost Analysis (page 2)

DATE: May 2009

APPROPRIATION/BUDGET ACTIVITY: **RDT&E, N / BA-7**

PROGRAM ELEMENT: PE: 0305208N TITLE: Distributed Common Ground System - Navy

PROJECT NUMBER AND NAME: 2174 Distributed Common Ground System – Navy (DCGS-N)

Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 09 Cost	FY 09 Award Date	FY 10 Cost	FY 10 Award Date	FY 11 Cost	FY 11 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	Various	SAIC, L3, Titan, SSC CHAS	6.619	2.999	Various	1.652	Various					
Operational Test & Evaluation	Various	SAIC, NAWC, NGES, OPTEVFOR, NSWC Corona	2.091	2.750	Various	1.534	Various					
Tooling												
GFE												
Subtotal T&E			8.710	5.749		3.186						
Remarks:												
Contractor Engineering Support												
Government Engineering Support												
Program Management Support	CPAF/C	SAIC	0.308	0.697	04/09	0.311	12/09					
Program Management Personnel												
Travel	DTS	SPAWAR	0.185	0.214	Various	0.120	Various					
Labor (Research Personnel)												
Overhead												
Subtotal Management			0.493	0.911		0.431						
Remarks:												
Total Cost			54.288	44.222		18.079						

Exhibit R-3, Project Cost Analysis

CLASSIFICATION:

EXHIBIT R4, Schedule Profile

DATE: May 2009

APPROPRIATION/BUDGET ACTIVITY: **RDT&E, N / BA-7**

PROGRAM ELEMENT NUMBER AND NAME: PE: 0305208N TITLE: Distributed Common Ground System - Navy

PROJECT NUMBER AND NAME: 2174 Distributed Common Ground System – Navy (DCGS-N)

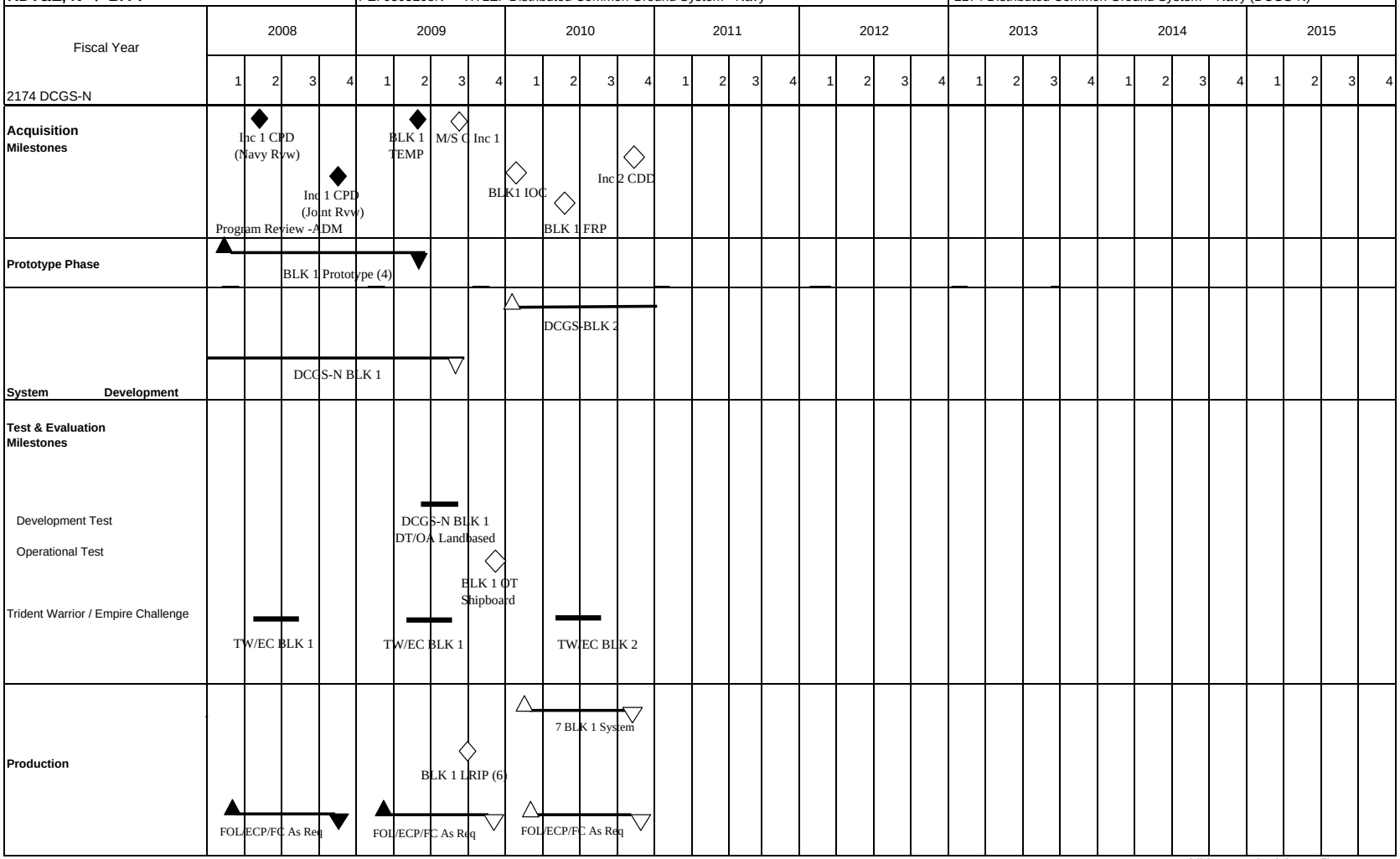

Exhibit R4, Schedule Profile

CLASSIFICATION:

Exhibit R-4a, Schedule Detail				DATE: May 2009				
APPROPRIATION/BUDGET ACTIVITY **RDT&E, N / BA-7**				PROJECT NUMBER AND NAME 2174 Distributed Common Ground System - Navy (DCGS-N)				
Schedule Profile	**FY 2008**	**FY 2009**	**FY 2010**	**FY 2011**	**FY 2012**	**FY 2013**	**FY 2014**	**FY 2015**
Fleet Experiments								
DCGS-N BLK 1 DT/OA Landbased		2Q - 3Q						
DCGS-N BLK 1 OT Shipboard		4Q						
Trident Warrior / Empire Challenge BLK 1	2Q - 3Q	2Q - 3Q						
Trident Warrior / Empire Challenge BLK 2			2Q - 3Q					
Trident Warrior / Empire Challenge Inc 2								
Trident Warrior / Empire Challenge Inc 2 Future								
Increment development								
DCGS-N BLK 1 Development	1Q - 4Q	1Q - 3Q						
DCGS-N BLK 2 Development			1Q - 4Q					
Acquisition Program								
DCGS-N BLK 1 FRP			2Q					
DCGS-N BLK 1 IOC			1Q					
DCGS-N BLK 1 LRIP		3Q						
DCGS-N BLK 1 TEMP		2Q						
DCGS-N Inc 1 CPD (Navy Review)	2Q							
DCGS-N Inc 1 CPD (Joint Review)	4Q							
DCGS-N Inc 1 M/S C Decision		3Q						
DCGS-N Inc 2 CDD			4Q					
DCGS-N Procurement			1Q - 4Q					
Fact of Life Upgrades/ECPs/Field Changes to Fielded Equipment	1Q - 4Q	1Q - 4Q	1Q - 4Q					
Prototype								
BLK 1 Prototype	1Q-4Q	1Q-2Q						

Exhibit R-4a, Schedule Detail

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE: May 2009	
APPROPRIATION/BUDGET ACTIVITY **RDT&E, N / BA-7**	PROGRAM ELEMENT (PE) NUMBER AND NAME PE: 0305208N Distributed Common Ground System - Navy				PROJECT NUMBER AND NAME 9999 Congressional Add			
COST ($ in Millions)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
9999 Congressional Add	**1.987**							

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

Maritime Intelligence Integration-Shared Situational Awareness: Congressional add funds for continued support of the Distributed Common Ground System - Navy (DCGS-N) Experimentation and Analysis Laboratory (DEAL) to effect network-centric requirements through experimentation with Naval Aviation, inter-agency, multi-service and space-based Intelligence, Surveillance and Reconnaissance (ISR) data for increased Maritime Intelligence Integration and sharing of Maritime Domain Situational Awareness.

Advanced Field Artillery Tactical Data Systems (AFATDS) Interoperability: Congressionally added funds for the exchange of information between existing Intelligence, Surveillance, Reconnaissance and Targeting (ISR&T) systems and Command and Control (C2) systems. Significant reduction in the sensor-to-effects timeline can be achieved through enhanced automated information exchange between DCGS-N ISR&T capability and C2, via Net-Centric Enterprise Service (NCES) and DCGS-N Integration Backbone (DIB) standards, offering data producers and consumers a single/common seamless capability for exposing, discovering, publishing and subscribing to ISR&T data, in accordance with DoD Directive 8320.2.

Exhibit R-2a, RDTEN Project Justification

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification		DATE: May 2009
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
RDT&E, N / BA-7	PE: 0305208N TITLE: Distributed Common Ground System - Navy	9999 Congressional Add

B. Accomplishments/Planned Program

9B08A Maritime Intelligence Integration For Shared Situational Awareness	FY 08	FY 09	FY 10	FY 11
Accomplishments/Effort/Subtotal Cost	0.994	0.000	0.000	0.000
RDT&E Articles Quantity				

Maritime Intelligence Integration-Shared Situational Awareness: Congressional add funds for continued support of the Distributed Common Ground System - Navy (DCGS-N) Experimentation and Analysis Laboratory (DEAL) to effect network-centric requirements through experimentation with Naval Aviation, inter-agency, multi-service and space-based Intelligence, Surveillance and Reconnaissance (ISR) data for increased Maritime Intelligence Integration and sharing of Maritime Domain Situational Awareness.

FY08 Accomplishments: Exercised support for EMPIRE CHALLENGE 08 to demonstrate maritime domain awareness and maritime operations center interoperability with other Service DCGS systems, Joint Inter-Agency Task Force (JIATF) South and a surrogate DCGS-N Afloat, and to enhance maritime domain awareness interoperability with JIATF South.

9C80A DCGS-N Advanced Field Artillery Tactical Data Systems (AFATDS)	FY 08	FY 09	FY 10	FY 11
Accomplishments/Effort/Subtotal Cost	0.993	0.000	0.000	0.000
RDT&E Articles Quantity				

AFATDS Interoperability: Congressionally added funds for the exchange of information between existing Intelligence, Surveillance, Reconnaissance and Targeting (ISR&T) systems and Command and Control (C2) systems. Significant reduction in the sensor-to-effects timeline can be achieved through enhanced automated information exchange between DCGS-N ISR&T capability and C2, via Net-Centric Enterprise Service (NCES) and DCGS-N Integration Backbone (DIB) standards, offering data producers and consumers a single/common seamless capability for exposing, discovering, publishing and subscribing to ISR&T data, in accordance with Department of Defense (DOD) Directive 8320.2.

FY08 Accomplishments: Integrated and automated the interoperability between DCGS-N / ISR and the Service Oriented Architecture environment. Expanded DCGS interoperability and integration via the Enterprise Services Interoperability and Integration (ESII) group to establish a network-centric, near-real time capability that can be shared, at appropriate security levels, by Federal, State, Local, and International agencies with maritime responsibilities.