Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy											DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*					R-1 ITEM NOMENCLATURE PE 0305208N: *Distributed Common Ground Sys*							
COST ($ in Millions)	**All Prior Years**	**FY 2012**	**FY 2013#**	**FY 2014 Base**	**FY 2014 OCO ##**	**FY 2014 Total**	**FY 2015**	**FY 2016**	**FY 2017**	**FY 2018**	**Cost To Complete**	**Total Cost**
Total Program Element	127.403	27.495	14.676	19.718	-	19.718	19.421	22.483	22.099	22.690	Continuing	Continuing
2174: *Distributed Common Ground System-Navy (DCGS-N)*	127.403	27.495	14.676	19.718	-	19.718	19.421	22.483	22.099	22.690	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

A. Mission Description and Budget Item Justification

The Distributed Common Ground System - Navy (DCGS-N) is the Navy's portion of the Under Secretary of Defense, Intelligence (USD (I)) DCGS-N Family of Systems (FoS). The Department of Defense (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. DCGS accesses and ingests data from space borne, airborne, subsurface, and surface ISR collection assets, intelligence databases and intelligence producers. This collected data is shared across a Joint enterprise using the DCGS Integration Backbone (DIB) and in time, the Joint Intelligence Enterprise (JIE) to enhance access and sharing of ISR information across Joint forces through the use of common enterprise standards and services. DCGS FoS supports Joint Task Force (JTF)-level and below combat operations with critical intelligence for battle management and information dominance across the full spectrum of operations, including peace, conflict, war, and Overseas Contingency Operations (OCO). 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-N core components include the Analyst Work Station from the Global Command and Control System (GCCS) - Integrated Imagery and Intelligence (I3), Generic Area Limitation Environment (GALE) Signal Intelligence (SIGINT), Common Geo-positioning Services (CGS), Image Product Library (IPL), Modernized Integrated Database (MIDB), Joint Concentrator Architecture (JCA) and Track Management Services.

The DCGS-N system represents the integration of 1) The processing and exploitation of tactical and Imagery Intelligence (IMINT) and Signals 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 and Command and Control information via DIB, JIE, and Net-Centric Enterprise Services (NCES) standards with a wide range of customers (e.g., Global Command and Control System - Maritime (GCCS-M)), Joint Mission Planning System (JMPS), and many others.

The DCGS-N Enterprise Node (DEN), which incorporates DIB and JIE standards, facilitates interoperability and data sharing among the DCGS FoS. DCGS-N will stay abreast of evolving requirements and ensure compliance with the DoD DCGS network architecture.

The Navy is focusing on establishing an ISR Enterprise way ahead that will emphasize a reach back strategy with a focus on 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 a Maritime ISR Enterprise capability, development and migration of ISR SOA applications, and development and integration to leverage the Consolidated

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy	DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305208N: *Distributed Common Ground Sys*

Afloat Network and Enterprise Services (CANES) strategy for a Common Computing Environment (CCE). Additionally, DCGS-N will become the focal point for migration of Maritime Domain Awareness (MDA) fusion and analysis (MFAS) tool applications for the Navy.

DCGS-N Increment 2 addresses a critical shortfall in Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) capability and capacity to support operational, tactical planning, and execution across the full range of joint military operations. Existing TCPED shortfalls will be exacerbated by planned Navy, Joint, and Allied fielding of new Intelligence, Surveillance and Reconnaissance (ISR) platforms. Currently fielded systems provide localized processing capabilities that will be overwhelmed in future years without a significant change in the way the Navy processes, exploits and disseminates intelligence data. DCGS-N Increment 2 will deliver all source fusion and analytical capabilities; provide Maritime Domain Awareness (MDA) capabilities; integrate Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) capabilities to improve the use and analysis of sensor and platform data; based on an enterprise solution to share this information across commands, services, and agencies to promote shared situational awareness. DCGS-N Increment 2 consists of at least two releases. The first release provides an enhanced Navy ISR enterprise that converges and builds on the DCGS-N Increment 1 and Maritime Domain Awareness Enterprise Nodes; leverages the Joint Intelligence Enterprise (JIE) framework; federates ISR and TCPED workflow and production improving throughput through automation; exploits new and evolving sensors; provides Multi-Intelligence (Multi-INT) cross-queuing and provides modular tools accessible via a web browser. The second release enhances afloat ISR capabilities by providing a set of software centric tools hosted on the Consolidated Afloat Network and Enterprise Services (CANES) providing Multi-INT fusion and analysis, behavior prediction and intelligent knowledge management designed to operate in disconnected or denied comms environment.

Unit Level Rapid Technology Transition (RTT) Prototype is the initial implementation of the Intelligence Carry-On Program (ICOP), which is planned for program initiation in Fiscal Year 2014 (FY14). The RTT Prototype responds to multiple fleet and expeditionary requirements for a subset of DCGS-N intelligence capabilities to meet Navy Cruiser-Destroyer ships, river/coastal patrol, expeditionary, and similar platforms and addresses current Commander, Third Fleet (C3F) and Commander, Fifth Fleet (C5F) Urgent Operational Needs (UON). The RTT Prototype provides a solution based on mature Commercial Off-the-Shelf (COTS) and Government Off-the-Shelf (GOTS) products served in scalable, modular hardware framework that ranges from a small footprint server with workstations to a stand-alone portable workstation. The RTT Prototype extends the ISR enterprise and DCGS Family of Systems (FoS) to disadvantaged users, and it makes Navy organic sensor information available to the Joint Intelligence Community.

Intelligence Carry-On Program (ICOP) is a suite of multi-source intelligence and analytical capabilities which includes an integrated Three-Dimensional (3-D) operational picture displaying intelligence and other data sources to provide a richer and more complete picture of the battle space on Unit Level platforms. The system supports a full motion video capability that receives, processes, exploits, and disseminates organic and non-organic data as well as the ability to process and correlate Electronic Intelligence (ELINT) and external Communications Intelligence (COMINT Externals). It integrates a menu of mature Commercial Off-the-Shelf (COTS) and Government Off-the-Shelf (GOTS) applications with shared storage and communication paths to reach back to the DCGS-N Enterprise Node (DEN), and to provide data sharing to the Maritime Operations Centers (MOCS) and national ISR systems, making tactical users a part of the larger ISR enterprise.

In FY14, DCGS-N Increment 1 will develop a final patch to the Block 2 baseline based on discrepancy reports noted during FY13 integration efforts and FY14 test events. Additionally, Increment 1 will complete development of appropriate schoolhouse curricula in support of DCGS-N training plans.

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy	DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305208N: *Distributed Common Ground Sys*

In FY14, DCGS-N Increment 2 will complete a build decision, Milestone B. The results of that decision will result in the award of a development and integration contract. FY 2014 activities will focus on design, development and initial testing for DCGS-N Increment 2 Release 1 capabilities. Following contract award there will be a Critical Design Review (CDR) for Release 1. DCGS-N Increment 2 will employ an agile development methodology including frequent interactions between the developer and the user community to ensure that delivered capabilities meet evolving user needs. Concurrent with development of Release 1 the Program Office will be defining the requirements for Release 2.

The FY14, Intelligence Carry-On Program (ICOP) will build on the Unit Level Rapid Technology Transition (RTT) Prototype and manage capabilities gathered from DCGS-N Increment 1 Unit Level requirements, Commander, Third Fleet (C3F) and Commander, Fifth Fleet (C5F) Urgent Operational Needs (UON), 2010 Combatant and Command (COCOM) Integrated Priorities Lists (IPL) and from the ICOP Requirements Working Group (IRWG). ICOP will also build on lessons learned from the RTT prototype capability currently deployed on USS VICKSBURG (CG 69) with initial operational capability (IOC) anticipated in FY15. ICOP will develop the associated training documents and the recommended acquisition documents including the Acquisition Strategy, Cost Analysis Requirements Description (CARD), and Acquisition Program Baseline (APB).

B. Program Change Summary ($ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	25.453	14.676	20.020	-	20.020
Current President's Budget	27.495	14.676	19.718	-	19.718
Total Adjustments	2.042	0.000	-0.302	-	-0.302
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	2.042	0.000			
• SBIR/STTR Transfer	-	-			
• Rate/Misc Adjustments	0.000	0.000	-0.302	-	-0.302

Change Summary Explanation

Technical: Not applicable.

Schedule: 1) DCGS-N Increment 1 Blk 2 Engineering Development Models (EDMs), being developed in FY12, encountered a change in test afloat platform which resulted in Blk 2 Development Test /Operational Assessment (DT/OA) to shift to 1QFY14, which will now be a landbased Consolidated Afloat Network and Enterprise Services (CANES) test. Operational Test (OT) rescheduled to 3QFY14. Subsequently, Blk 2 Full Deployment Decision (FDD) shifted from 1QFY14 to 2QFY15.

2) The DCGS-N Increment 2 Analysis of Alternatives (AoA) Senior Advisory Group (SAG) provided additional guidance at their March 2012 meeting. This guidance revision ensures that the AoA consider all potential alternatives. The result of this guidance was the addition of a fourth alternative and an extension

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy	DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	**R-1 ITEM NOMENCLATURE** PE 0305208N: *Distributed Common Ground Sys*

of the AoA study period. Subsequent acquisition activities including Capability Development Document (CDD), Test and Evaluation Master Plan (TEMP) are delayed 1 QTR pending approval of the AoA results.

Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305208N: *Distributed Common Ground Sys*	PROJECT 2174: *Distributed Common Ground System-Navy (DCGS-N)*	

COST ($ in Millions)	All Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO ##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
2174: *Distributed Common Ground System-Navy (DCGS-N)*	127.403	27.495	14.676	19.718	-	19.718	19.421	22.483	22.099	22.690	Continuing	Continuing
Quantity of RDT&E Articles	0	6	0	0		0	3	0	0	0		

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Note

Cost-To-Complete reflects DCGS-N Increment 2 only. DCGS-N Increment 1 funding is complete in FY14. DCGS-N Increment 2 is continuing as it currently is in pre-acquisition activities and a Life Cycle Cost Estimate (LCCE) is scheduled to complete in FY13.

A. Mission Description and Budget Item Justification

The Distributed Common Ground System - Navy (DCGS-N) is the Navy's portion of the Under Secretary of Defense, Intelligence (USD (I)) DCGS-N Family of Systems (FoS). The Department of Defense (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. DCGS accesses and ingests data from space borne, airborne, subsurface, and surface ISR collection assets, intelligence databases and intelligence producers. This collected data is shared across a Joint enterprise using the DCGS Integration Backbone (DIB) and in time, the Joint Intelligence Enterprise (JIE) to enhance access and sharing of ISR information across Joint forces through the use of common enterprise standards and services. DCGS FoS supports Joint Task Force (JTF)-level and below combat operations with critical intelligence for battle management and information dominance across the full spectrum of operations, including peace, conflict, war, and Overseas Contingency Operations (OCO). 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-N core components include the Analyst Work Station from the Global Command and Control System (GCCS) - Integrated Imagery and Intelligence (I3), Generic Area Limitation Environment (GALE) Signal Intelligence (SIGINT), Common Geo-positioning Services (CGS), Image Product Library (IPL), Modernized Integrated Database (MIDB), Joint Concentrator Architecture (JCA) and Track Management Services.

The DCGS-N system represents the integration of 1) The processing and exploitation of tactical and Imagery Intelligence (IMINT) and Signals 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 and Command and Control information via DIB, JIE, and Net-Centric Enterprise Services (NCES) standards with a wide range of customers (e.g., Global Command and Control System - Maritime (GCCS-M)), Joint Mission Planning System (JMPS), and many others.

The DCGS-N Enterprise Node (DEN), which incorporates DIB and JIE standards, facilitates interoperability and data sharing among the DCGS FoS. DCGS-N will stay abreast of evolving requirements and ensure compliance with the DoD DCGS network architecture.

Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305208N: *Distributed Common Ground Sys*	PROJECT 2174: *Distributed Common Ground System-Navy (DCGS-N)*

The Navy is focusing on establishing an ISR Enterprise way ahead that will emphasize a reach back strategy with a focus on 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 a Maritime ISR Enterprise capability, development and migration of ISR SOA applications, and development and integration to leverage the Consolidated Afloat Network and Enterprise Services (CANES) strategy for a Common Computing Environment (CCE). Additionally, DCGS-N will become the focal point for migration of Maritime Domain Awareness (MDA) fusion and analysis (MFAS) tool applications for the Navy.

DCGS-N Increment 2 addresses a critical shortfall in Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) capability and capacity to support operational, tactical planning, and execution across the full range of joint military operations. Existing TCPED shortfalls will be exacerbated by planned Navy, Joint, and Allied fielding of new Intelligence, Surveillance and Reconnaissance (ISR) platforms. Currently fielded systems provide localized processing capabilities that will be overwhelmed in the out-years without a significant change in the way the Navy processes, exploits and disseminates intelligence data. DCGS-N Increment 2 will deliver all source fusion and analytical capabilities; provide Maritime Domain Awareness (MDA) capabilities; integrate Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) capabilities to improve the use and analysis of sensor and platform data; based on an enterprise solution to share this information across commands, services, and agencies to promote shared situational awareness. DCGS-N Increment 2 consists of at least two releases. The first release provides an enhanced Navy ISR enterprise that converges and builds on the DCGS-N Increment 1 and Maritime Domain Awareness Enterprise Nodes; leverages the Joint Intelligence Enterprise (JIE) framework; federates ISR and TCPED workflow and production improving throughput through automation; exploits new and evolving sensors; provides Multi-Intelligence (Multi-INT) cross-queuing and provides modular tools accessible via a web browser. The second release enhances afloat ISR capabilities by providing a set of software centric tools hosted on the Consolidated Afloat Network and Enterprise Services (CANES) providing Multi-INT fusion and analysis, behavior prediction and intelligent knowledge management designed to operate in disconnected or denied comms environment.

Unit Level Rapid Technology Transition (RTT) Prototype is the initial implementation of the Intelligence Carry-On Program (ICOP), which is planned for program initiation in Fiscal Year 2014 (FY14). The RTT Prototype responds to multiple fleet and expeditionary requirements for a subset of DCGS-N intelligence capabilities to meet Navy Cruiser-Destroyer ships, river/coastal patrol, expeditionary, and similar platforms and addresses current Commander, Third Fleet (C3F) and Commander, Fifth Fleet (C5F) Urgent Operational Needs (UON). The RTT Prototype provides a solution based on mature Commercial Off-the-Shelf (COTS) and Government Off-the-Shelf (GOTS) products served in scalable, modular hardware framework that ranges from a small footprint server with workstations to a stand-alone portable workstation. The RTT Prototype extends the ISR enterprise and DCGS Family of Systems (FoS) to disadvantaged users, and it makes Navy organic sensor information available to the Joint Intelligence Community.

Intelligence Carry-On Program (ICOP) is a suite of multi-source intelligence and analytical capabilities which includes an integrated Three-Dimensional (3-D) operational picture displaying intelligence and other data sources to provide a richer and more complete picture of the battle space on Unit Level platforms. The system supports a full motion video capability that receives, processes, exploits, and disseminates organic and non-organic data as well as the ability to process and correlate Electronic Intelligence (ELINT) and external Communications Intelligence (COMINT Externals). It integrates a menu of mature Commercial Off-the-Shelf (COTS) and Government Off-the-Shelf (GOTS) applications with shared storage and communication paths to reach back to the DCGS-N Enterprise Node (DEN), and to provide data sharing to the Maritime Operations Centers (MOCS) and national ISR systems, making tactical users a part of the larger ISR enterprise.

Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305208N: *Distributed Common Ground Sys*	PROJECT 2174: *Distributed Common Ground System-Navy (DCGS-N)*

In FY14, DCGS-N Increment 1 will develop a final patch to the Block 2 baseline based on discrepancy reports noted during FY13 integration efforts and FY14 test events. Additionally, Increment 1 will complete development of appropriate schoolhouse curricula in support of DCGS-N training plans.

In FY14, DCGS-N Increment 2 will complete a build decision, Milestone B. The results of that decision will result in the award of a development and integration contract. FY 2014 activities will focus on design, development and initial testing for DCGS-N Increment 2 Release 1 capabilities. Following contract award there will be a Critical Design Review (CDR) for Release 1. DCGS-N Increment 2 will employ an agile development methodology including frequent interactions between the developer and the user community to ensure that delivered capabilities meet evolving user needs. Concurrent with development of Release 1 the Program Office will be defining the requirements for Release 2.

The FY14, Intelligence Carry-On Program (ICOP) will build on the Unit Level Rapid Technology Transition (RTT) Prototype and manage capabilities gathered from DCGS-N Increment 1 Unit Level requirements, Commander, Third Fleet (C3F) and Commander, Fifth Fleet (C5F) Urgent Operational Needs (UON), 2010 Combatant and Command (COCOM) Integrated Priorities Lists (IPL) and from the ICOP Requirements Working Group (IRWG). ICOP will also build on lessons learned from the RTT prototype capability currently deployed on USS VICKSBURG (CG 69) with initial operational capability (IOC) anticipated in FY15. ICOP will develop the associated training documents and the recommended acquisition documents including the Acquisition Strategy, Cost Analysis Requirements Description (CARD), and Acquisition Program Baseline (APB).

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2012	FY 2013	FY 2014
Title: DCGS-N Increment 1	15.022	7.200	1.700
Articles:	2	0	0

FY 2012 Accomplishments:
Conducted Follow-On Test and Evaluation (FOT&E) on Increment 1 Block 1 Early Adopter Engineering Change Proposal (EA ECP) and developed associated software patch as required. Completed design, development, and began developmental testing of Increment 1 Block 2. New capabilities included collection management capabilities, continued integration of enhanced Signals Intelligence (SIGINT), software upgrades for new Navy sensors, and Moving Target Indicator (MTI) processor integration. Developing two Engineering Development Models (EDMs) for DCGS-N Increment 1 Block 2. DCGS-N's RDTE focus for Integrated Imagery and Intelligence (I3) was on specific components migration to Consolidated Afloat Networks and Enterprise Services (CANES) updated Common Computing Environment (CCE), Service Oriented Architecture (SOA), widget related efforts, DCGS-N Enterprise Services, and environment, including transition to COMPOSE 4.X.

FY 2013 Plans:
Complete development and delivery of EDMs and Development Testing and afloat Follow-On Test and Evaluation efforts. Specific events include a combined Development Test /Operational Assessment ashore in the DCGS-N lab environment, followed by an afloat Operational Test and Evaluation. Update the Cost Analysis Requirements Description (CARD) and Program Life-Cycle Cost Estimate (PLCCE) in preparation for an updated Service Cost Position and Increment 1 Block 2 Limited Deployment Decision (LDD). Complete design and integration of the Block 2 Engineering Change Proposal (ECP) required for Increment 1 Block 2 to

Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305208N: *Distributed Common Ground Sys*	PROJECT 2174: *Distributed Common Ground System-Navy (DCGS-N)*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2012	FY 2013	FY 2014
leverage the CANES infrastructure. In preparation for synchronized installations aboard Force-level afloat platforms, DCGS-N will conduct coordinated integration testing with CANES within the Space and Naval Warfare Command lab environment. ***FY 2014 Plans:*** Develop a final patch to the Block 2 baseline based on discrepancy reports noted during FY13 integration efforts and test events. Complete development of appropriate schoolhouse curricula in support of DCGS-N training plans.			
Title: DCGS-N Increment 2 ***Articles:*** ***FY 2012 Accomplishments:*** Completed an Analysis of Alternatives (AoA). Continued development of Capability Development Document (CDD), and conducted cost analysis based on AoA findings. Prepared for a program Build Decision (BD) for DCGS-N Increment 2. Began Increment 2 Test and Evaluation Master Plan (TEMP), Cost Analysis Requirements Description (CARD), Information Support Plan (ISP), and Life Cycle Cost Estimate (LCCE) leading to a Service Cost Position (SCP). Conducted exploratory studies, system requirements analysis, design, technical studies and experiments designed to reduce identified risks associated with the recommended AoA solution and provide a seamless integration with the Joint Intelligence Enterprise (JIE) framework. ***FY 2013 Plans:*** Complete statutory, regulatory, and acquisition requirements with final preparation for a build decision at Milestone B (MS B). Finalize Increment 2 CDD, TEMP, CARD, ISP, and LCCE leading to a SCP. Prepare for the release of the Increment 2 Request for Proposal (RFP) following the Pre-Engineering Manufacturing Development Review. Continue to conduct exploratory studies, system requirements analysis, design, technical studies and experiments designed to reduce identified risks associated with the recommended AoA solution and provide a seamless integration with the JIE framework. ***FY 2014 Plans:*** DCGS-N Increment 2 will complete a Milestone B review. The results of that decision will result in the award of a development and integration contract. FY14 activities will focus on design, development and initial testing for DCGS-N Increment 2 Release 1 capabilities. Following contract award there will be a Critical Design Review (CDR) for Release 1. DCGS-N Increment 2 will employ an agile development methodology calling for early, frequent interactions between the developer and the user community to ensure that delivered capabilities meet evolving user needs. Concurrent with development of Release 1 the Program Office will be defining the requirements for Release 2.	10.431 0	7.476 0	13.672 0
Title: Unit Level Rapid Technology Transition (RTT) Prototype ***Articles:*** ***FY 2012 Accomplishments:***	2.042 4	0.000	0.000

Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305208N: *Distributed Common Ground Sys*	PROJECT 2174: *Distributed Common Ground System-Navy (DCGS-N)*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2012	FY 2013	FY 2014
Developed and fielded four prototypes to Commander, Fifth Fleet (C5F) Area of Responsibility (AoR) in response to Urgent Operational Need Statement (7 Jan 2010). Gathered operational feedback to incorporate into FY14 Intelligence Carry-On Program (ICOP) Program of Record (PoR) start.			
Title: Intelligence Carry-On Program (ICOP) ***Articles:*** ***FY 2014 Plans:*** ICOP will build on the Unit Level Rapid Technology Transition (RTT) prototypes and begin statutory and regulatory documentation in anticipation of program initiation. ICOP will develop the associated training documents and the recommended acquisition documents including the Acquisition Strategy, Cost Analysis Requirements Description (CARD), and Acquisition Program Baseline (APB).	0.000	0.000	4.346 0
Accomplishments/Planned Programs Subtotals	27.495	14.676	19.718

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
• OPN 2914: *Distributed Common Ground System-Navy (DCGS-N)*	12.499	11.887	17.350		17.350	24.463	33.560	34.626	21.738	75.200	498.983

Remarks

D. Acquisition Strategy

The Distributed Common Ground System - Navy (DCGS-N) program utilizes mature Commercial Off The Shelf (COTS) and Governmental Off The Shelf (GOTS) capabilities. The Navy adapts and integrates these capabilities and ensures interoperability with the DCGS Integration Backbone (DIB) standards. Integration of DCGS-N Increment 1 components has transitioned from Government-led to Industry-led based on the award of DCGS-N's Prime Mission Product (PMP) contract. The DCGS-N Increment 2 streamlined Information Technology (IT) acquisition strategy is based on an accelerated acquisition model as defined in the Department of Defense Instruction (DoDI 5000.02). DCGS-N Increment 2 acquisition strategy calls for an accelerated approval for the Capability Development Document (CDD) to meet a program Build Decision (BD) for DCGS-N Increment 2 Release 1. DCGS-N Increment 2 capabilities will be developed through an evolutionary process that calls for multiple releases. Intelligence Carry-On Program (ICOP) will focus on unit-level Intelligence, Surveillance and Reconnaissance (ISR) processing, exploitation and dissemination for Surface, Submarine and Expeditionary [Navy Expeditionary Combatant Command (NECC)] operations, facilitating receipt, editing and sharing of imagery and video from aerial assets and shipboard cameras. ICOP will build on the Unit Level Rapid Technology Transition (RTT) prototypes and transition into a Program of Record (PoR) beginning in FY14.

Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305208N: *Distributed Common Ground Sys*	PROJECT 2174: *Distributed Common Ground System-Navy (DCGS-N)*

E. Performance Metrics

DCGS-N Increment 1 Goal: Provide Fleet with additional capabilities and migration to the Navy's Common Computing Environment (CCE) / Afloat Core Services (ACS).
DCGS-N Increment 1 Metric: Develop a final patch to the Block 2 baseline and complete development of appropriate schoolhouse curricula in support of DCGS-N training plans.

DCGS-N Increment 2 Goal: Support afloat forces through a robust enterprise ISR capability, satisfying maritime needs for processing, exploitation, and dissemination.
DCGS-N Increment 2 Metric: Successful completion of Build Decision and release of a DCGS-N Increment 2 Request For Proposal (RFP).

ICOP Goal: Coordinate with all stakeholders and identify the best acquisition approach to support unit-level ISR processing, exploitation and dissemination for Surface, Submarine and Expeditionary operations.
ICOP Metric: Begin statutory and regulatory documentation in anticipation of program initiation and build on the Unit Level Rapid Technology Transition (RTT) Prototype.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305208N: *Distributed Common Ground Sys*	PROJECT 2174: *Distributed Common Ground System-Navy (DCGS-N)*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	FY 2012 Cost	FY 2012 Award Date	FY 2013 Cost	FY 2013 Award Date	FY 2014 Base Cost	FY 2014 Base Award Date	FY 2014 OCO Cost	FY 2014 OCO Award Date	FY 2014 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Hardware Development (prior)	WR	SSC LANT:Charleston, SC	5.276	0.000		0.000		0.000		-		0.000	0.000	5.276	
Primary Hardware Development	C/CPFF	BAE:Rancho Bernardo, CA	2.331	2.194	Nov 2011	0.271	Nov 2012	0.000		-		0.000	0.000	4.796	
Systems Engineering (prior)	C/CPAF	Various:Various	8.753	0.000		0.000		0.000		-		0.000	0.000	8.753	
Systems Engineering (prior)	C/CPAF	JFCOMM:Norfolk, VA	5.634	0.000		0.000		0.000		-		0.000	0.000	5.634	
Systems Engineering	C/CPFF	BAE:Rancho Bernardo, CA	26.247	7.500	Nov 2011	3.316	Nov 2012	0.000		-		0.000	0.000	37.063	
Systems Engineering (prior)	C/CPAF	LMSI:Valley Forge, PA	4.432	0.000		0.000		0.000		-		0.000	0.000	4.432	
Systems Engineering	WR	SSC Lant:Charleston, SC	8.772	2.370	Oct 2011	1.108	Oct 2012	0.500	Oct 2013	-		0.500	Continuing	Continuing	Continuing
Systems Engineering	C/CPFF	SETA SAIC:Columbia, MD	3.160	1.900	Nov 2011	1.428	Nov 2012	2.664	Nov 2013	-		2.664	Continuing	Continuing	Continuing
Systems Engineering (prior)	Various	SAIC:Columbia, MD	4.804	0.000		0.000		0.000		-		0.000	0.000	4.804	
Systems Engineering	C/CPFF	L3:Chantilly, VA	4.170	0.566	Dec 2011	0.330	Dec 2012	0.000		-		0.000	0.000	5.066	
Licenses (prior)	C/CPAF	BAE, SSC Lant:Various	0.660	0.000		0.000		0.000		-		0.000	0.000	0.660	
Systems Engineering	WR	SSC PAC:San Diego, CA	0.840	1.548	Oct 2011	1.200	Oct 2012	1.420	Oct 2013	-		1.420	Continuing	Continuing	Continuing
Licenses	WR	SSC LANT:Charleston, SC	0.075	0.080	Dec 2011	0.055	Dec 2012	0.000		-		0.000	0.000	0.210	
Systems Engineering	C/CPIF	Inc 2 (PMP):Unknown	0.000	0.000		0.000		1.505	Feb 2014	-		1.505	Continuing	Continuing	Continuing
Systems Engineering	C/CPIF	ICOP (PMP):Unknown	0.000	0.000		0.000		1.423	Apr 2014	-		1.423	Continuing	Continuing	Continuing
		Subtotal	75.154	16.158		7.708		7.512		0.000		7.512			

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305208N: *Distributed Common Ground Sys*	PROJECT 2174: *Distributed Common Ground System-Navy (DCGS-N)*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	FY 2012 Cost	FY 2012 Award Date	FY 2013 Cost	FY 2013 Award Date	FY 2014 Base Cost	FY 2014 Base Award Date	FY 2014 OCO Cost	FY 2014 OCO Award Date	FY 2014 Total Cost	Cost To Complete	Total Cost	Target Value of Contract

Remarks

Various represents several prior year contracts in support of product development, logistics, testing, systems engineering and program management. The majority of these contracts were Cost Plus Award Fee (CPAF) contract awards.

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	FY 2012 Cost	FY 2012 Award Date	FY 2013 Cost	FY 2013 Award Date	FY 2014 Base Cost	FY 2014 Base Award Date	FY 2014 OCO Cost	FY 2014 OCO Award Date	FY 2014 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Support (prior)	Various	Various:Various	4.136	0.000		0.000		0.000		-		0.000	0.000	4.136	
Software Development (prior)	C/CPAF	BAE, NG:Various	16.733	0.000		0.000		0.000		-		0.000	0.000	16.733	
Integrated Logistics Support (prior)	Various	L3, SAIC:Various	4.380	0.000		0.000		0.000		-		0.000	0.000	4.380	
Configuration Management (prior)	C/CPAF	L3:Chantilly, VA	2.353	0.000		0.000		0.000		-		0.000	0.000	2.353	
Technical Data (prior)	Various	L3, SSC CHAS:Various	0.577	0.000		0.000		0.000		-		0.000	0.000	0.577	
Development Support	C/CPFF	SETA SAIC:Columbia, MD	0.331	3.200	Nov 2011	0.695	Nov 2012	0.000		-		0.000	0.000	4.226	
Development Support	WR	SSC Lant:Charleston, SC	0.280	0.200	Oct 2011	0.136	Oct 2012	0.136	Oct 2013	-		0.136	Continuing	Continuing	Continuing
Software Development	C/CPFF	Northrop Grumman:Los Angeles, CA	0.949	0.950	Dec 2011	0.644	Dec 2012	0.000		-		0.000	0.000	2.543	
Software Development	C/CPFF	BAE:Rancho Bernardo, CA	0.334	0.400	Nov 2011	0.272	Nov 2012	1.000	Nov 2013	-		1.000	0.000	2.006	
Integrated Logistics Support	WR	SSC Lant:Charleston, SC	0.737	0.950	Oct 2011	0.644	Oct 2012	0.000		-		0.000	0.000	2.331	
Configuration Management	WR	SSC Lant:Charleston, SC	0.658	1.450	Oct 2011	0.712	Oct 2012	0.574	Oct 2013	-		0.574	Continuing	Continuing	Continuing

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305208N: *Distributed Common Ground Sys*	PROJECT 2174: *Distributed Common Ground System-Navy (DCGS-N)*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	FY 2012 Cost	FY 2012 Award Date	FY 2013 Cost	FY 2013 Award Date	FY 2014 Base Cost	FY 2014 Base Award Date	FY 2014 OCO Cost	FY 2014 OCO Award Date	FY 2014 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Development	C/CPIF	Inc 2 (PMP):Unknown	0.000	0.000		0.000		5.768	Feb 2014	-		5.768	Continuing	Continuing	Continuing
		Subtotal	31.468	7.150		3.103		7.478		0.000		7.478			

Remarks

Various represents several prior year contracts in support of product development, logistics, testing, systems engineering and program management. The majority of these contracts were Cost Plus Award Fee (CPAF) contract awards.

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	FY 2012 Cost	FY 2012 Award Date	FY 2013 Cost	FY 2013 Award Date	FY 2014 Base Cost	FY 2014 Base Award Date	FY 2014 OCO Cost	FY 2014 OCO Award Date	FY 2014 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation (prior)	Various	SAIC, L3, SSC LANT:Various	10.443	0.000		0.000		0.000		-		0.000	0.000	10.443	
Operational Test & Evaluation (prior)	Various	SAIC, NAWC, NGES, OPTEVFOR, NSWC Corona:Various	5.056	0.000		0.000		0.000		-		0.000	0.000	5.056	
Developmental Test & Evaluation	C/CPFF	BAE:Rancho Bernardo, CA	0.366	0.120	Nov 2011	0.081	Nov 2012	0.000		-		0.000	0.000	0.567	
Developmental Test & Evaluation (prior)	WR	SSC Lant:Charleston, SC	0.747	0.000		0.000		0.000		-		0.000	0.000	0.747	
Operational Test & Evaluation	WR	SSC Pac:San Diego, CA	0.118	0.120	Oct 2011	0.082	Oct 2012	0.000		-		0.000	Continuing	Continuing	Continuing
Operational Test & Evaluation	C/CPFF	BAE:Rancho Bernardo, CA	0.000	1.360	Nov 2011	1.524	Nov 2012	0.000		-		0.000	0.000	2.884	
Operational Test & Evaluation	WR	SSC Lant:Charleston, CA	0.000	0.120	Oct 2011	0.081	Oct 2012	0.000		-		0.000	Continuing	Continuing	Continuing
Operational Test & Evaluation	C/CPFF	COTF:Norfolk, VA	0.000	0.120	Oct 2011	0.082	Oct 2012	0.210	Oct 2013	-		0.210	Continuing	Continuing	Continuing
Developmental Test & Evaluation	WR	SSC Pac:San Diego, CA	0.000	0.000		0.000		1.771	Oct 2013	-		1.771	Continuing	Continuing	Continuing

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305208N: *Distributed Common Ground Sys*	PROJECT 2174: *Distributed Common Ground System-Navy (DCGS-N)*

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	FY 2012 Cost	FY 2012 Award Date	FY 2013 Cost	FY 2013 Award Date	FY 2014 Base Cost	FY 2014 Base Award Date	FY 2014 OCO Cost	FY 2014 OCO Award Date	FY 2014 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		Subtotal	16.730	1.840		1.850		1.981		0.000		1.981			

Remarks

Various represents several prior year contracts in support of product development, logistics, testing, systems engineering and program management. The majority of these contracts were Cost Plus Award Fee (CPAF) contract awards.

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	FY 2012 Cost	FY 2012 Award Date	FY 2013 Cost	FY 2013 Award Date	FY 2014 Base Cost	FY 2014 Base Award Date	FY 2014 OCO Cost	FY 2014 OCO Award Date	FY 2014 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support (prior)	C/CPAF	SAIC:Columbia, MD	1.316	0.000		0.000		0.000		-		0.000	0.000	1.316	
Travel	Allot	SPAWAR:San Diego, CA	0.659	0.060	Oct 2011	0.060	Oct 2012	0.030	Oct 2013	-		0.030	Continuing	Continuing	Continuing
Government Engineering Support	WR	SSC Lant:Charleston, SC	1.284	0.200	Oct 2011	0.136	Oct 2012	0.000		-		0.000	0.000	1.620	
Program Management Support	C/CPFF	PSS BAH:San Diego, CA	0.248	1.023	Nov 2011	1.097	Nov 2012	2.476	Nov 2013	-		2.476	Continuing	Continuing	Continuing
Program Management Support	WR	SSC Lant:Charleston, SC	0.339	0.839	Oct 2011	0.569	Oct 2012	0.241	Oct 2013	-		0.241	Continuing	Continuing	Continuing
Program Management Support	WR	SSC Pac:San Diego, CA	0.205	0.225	Oct 2011	0.153	Oct 2012	0.000		-		0.000	Continuing	Continuing	Continuing
		Subtotal	4.051	2.347		2.015		2.747		0.000		2.747			

Remarks

Various represents several prior year contracts in support of product development, logistics, testing, systems engineering and program management. The majority of these contracts were Cost Plus Award Fee (CPAF) contract awards.

	All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	127.403	27.495		14.676		19.718		0.000		19.718			

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305208N: *Distributed Common Ground Sys*	PROJECT 2174: *Distributed Common Ground System-Navy (DCGS-N)*	

	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305208N: *Distributed Common Ground Sys*	PROJECT 2174: *Distributed Common Ground System-Navy (DCGS-N)*

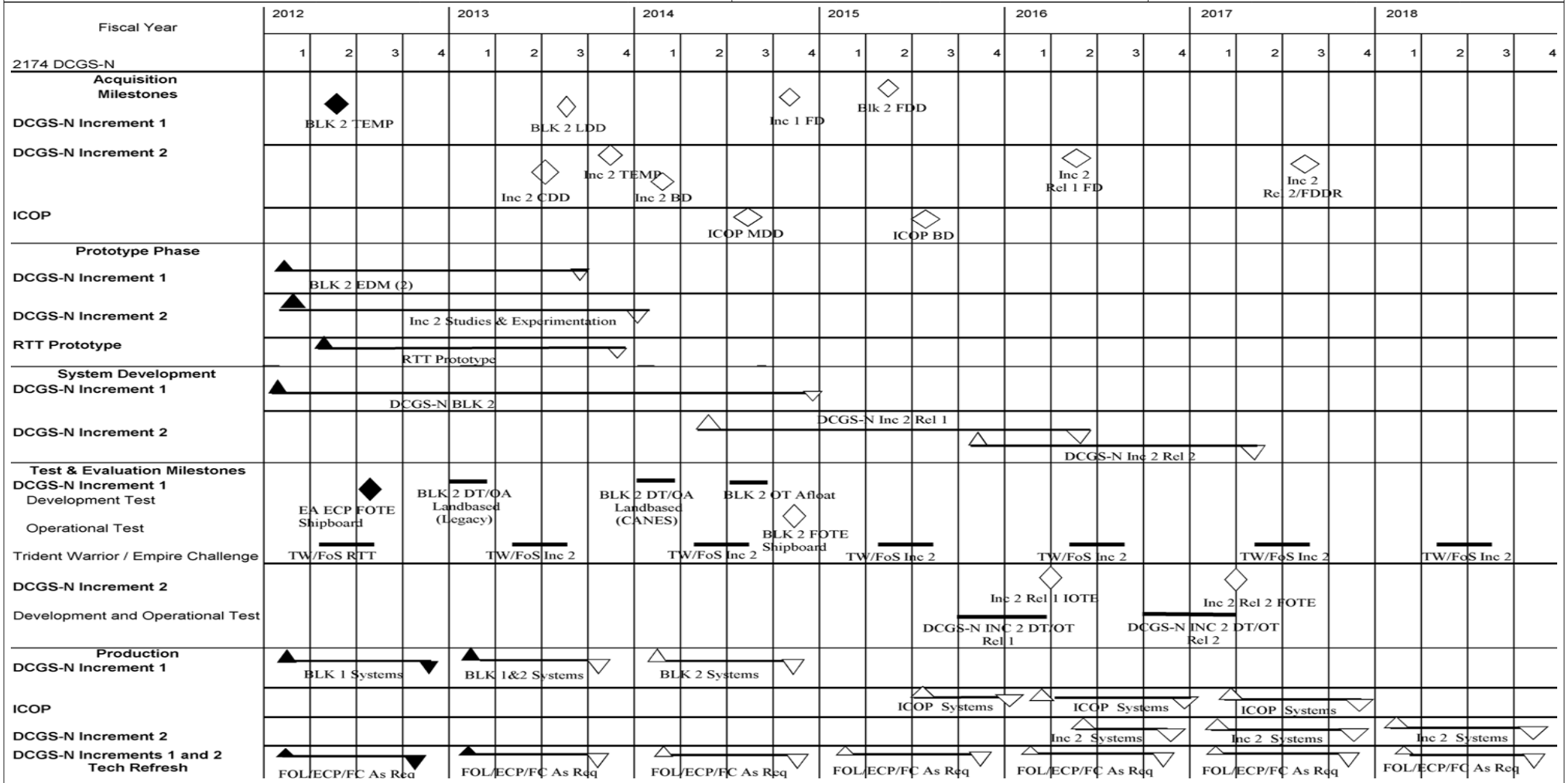

Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	**R-1 ITEM NOMENCLATURE** PE 0305208N: *Distributed Common Ground Sys*	**PROJECT** 2174: *Distributed Common Ground System-Navy (DCGS-N)*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 2174				
DCGS-N BLK 2 DT/OA Landbased (Legacy)	1	2013	1	2013
DCGS-N BLK 2 FOTE Shipboard	4	2014	4	2014
DCGS-N Inc 2 Release 1 DT/OT Landbased	4	2015	1	2016
Trident Warrior / DCGS Family of Systems RTT 2012	2	2012	3	2012
Trident Warrior / DCGS Family of Systems Inc 2 2013	2	2013	3	2013
Trident Warrior / DCGS Family of Systems Inc 2 2014	2	2014	3	2014
Trident Warrior / DCGS Family of Systems Inc 2 2015	2	2015	3	2015
Trident Warrior / DCGS Family of Systems Inc 2 2016	2	2016	3	2016
Trident Warrior / DCGS Family of Systems Inc 2 2017	2	2017	3	2017
Trident Warrior / DCGS Family of Systems Inc 2 2018	2	2018	3	2018
DCGS-N BLK 2 Development	1	2012	4	2014
DCGS-N Inc 2 Release 1 Development	2	2014	2	2016
DCGS-N Inc 2 TEMP	4	2013	4	2013
DCGS-N Inc 2 Release 2 Development	4	2015	2	2017
DCGS-N BLK 2 LDD	3	2013	3	2013
DCGS-N Inc 2 BD	1	2014	1	2014
DCGS-N Inc 1 FD	4	2014	4	2014
DCGS-N Inc 2 CDD	2	2013	3	2013
DCGS-N Inc 2 Procurement	2	2016	4	2018
ICOP Procurement	3	2015	4	2017
DCGS-N Inc 1 BLK 2 TEMP	2	2012	2	2012

Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305208N: *Distributed Common Ground Sys*	PROJECT 2174: *Distributed Common Ground System-Navy (DCGS-N)*

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
DCGS-N BLK 2 DT/OA Landbased (CANES)	1	2014	1	2014
DCGS-N BLK 2 OT AFLOAT	3	2014	3	2014
DCGS-N Inc 2 Rel 2 FDDR	3	2017	3	2017
DCGS-N Inc 2 Rel 1 FD	2	2016	2	2016
DCGS-N Inc 1 Procurement	1	2012	4	2014
EA ECP FOTE (Shipboard)	3	2012	3	2012
DCGS-N Inc 1 BLK 2 EDM (2)	1	2012	3	2013
DCGS-N Inc 2 Studies & Experimentation	1	2012	1	2014
DCGS-N Inc 2 Release 2 DT/OT	4	2016	1	2017
DCGS-N Inc 1 and Inc 2 Tech Refresh	1	2012	4	2018
DCGS-N Inc 1 BLK 2 FDD	2	2015	2	2015
DCGS-N Inc 2 Release 1 IOT&E	1	2016	2	2016
DCGS-N Inc 2 Release 2 FOT&E	1	2017	2	2017
RTT Prototypes	2	2012	4	2013
ICOP MDD	3	2014	3	2014
ICOP BD	3	2015	3	2015