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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2013 Navy **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b>				<b>R-1 ITEM NOMENCLATURE</b>							
1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>				PE 0305208N: <i>Distributed Common Ground Sys</i>							
<b>COST (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	16.549	25.453	14.676	-	14.676	20.020	26.708	32.785	33.342	Continuing	Continuing
2174: <i>Distributed Common Ground System-Navy (DCGS-N)</i>	16.549	25.453	14.676	-	14.676	20.020	26.708	32.785	33.342	Continuing	Continuing

**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 Defense Intelligence Information Enterprise (DI2E) 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) Lite 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 geospatial, 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, DI2E, 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 DI2E 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 ISR Enterprise capability (Maritime Operations Centers (MOC) to MOC to afloat), 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.

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APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE
1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	PE 0305208N: <i>Distributed Common Ground Sys</i>

The Navy's Integrated Imagery and Intelligence Applications (I3 Apps) are an integrated set of applications designed to support analyst workflows and tactical intelligence processing, providing a useful integration framework to ensure joint intelligence interoperability across the GCCS and DCGS enterprise. Development of I3 Apps includes end to end intelligence analysis applications that leverage the MIDB and integration with NGA-provided digital map and imagery systems. I3 imagery applications provide for archiving, viewing and measurement of still and video images. The Navy's I3 effort is part of the Military Intelligence Program (MIP), managed by the Secretary of Defense through the Under Secretary of Defense for Intelligence (USD(I)).

Joint Service Imagery Processing System - Navy (JSIPS-N) tech refresh and JSIPS-N Service Life Extension Program (JSLEP) upgrades provide shipboard digital imagery 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 Geo-positioning Service (CGS), Image Product Library (IPL), Imagery Exploitation Support System (IESS), and the Sharp Display System (SDS). JSIPS-N is the Navy's legacy imagery processing system. JSLEP will overcome JSIPS-N End-of-Life hardware challenges, software obsolescence, and improve systems reliability until DCGS-N fully replaces JSIPS-N ashore and afloat.

DCGS-N Increment 2 will improve DCGS-N Increment 1 through the integration of multi-INT 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; and share this information across commands, services, and agencies to promote shared situational awareness. DCGS-N Increment 2 consists of 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 Defense Intelligence Information Enterprise (DI2E) framework; federates ISR and Tasking, Collection, Processing, Exploitation and Dissemination (TCPED) workflow and production improving throughput through automation; exploits new and evolving sensors; provides 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.

The FY13, DCGS-N Increment 1 effort will focus on completing its Development Testing and Operational Assessment (DT/OA) in preparation for the DCGS-N Block 2 Limited Deployment Decision (LDD) and Follow-On Test and Evaluation (FOT&E). The JSIPS-N/JSLEP Legacy capability will continue to be replaced by DCGS-N Increment 1.

The FY13, DCGS-N Increment 2 effort begins with final preparation for a Build Decision at Milestone B (MS B). The Capability Development Document (CDD) is expected to complete Joint Requirements Oversight Council (JROC) review, the Service Cost Position (SCP) will be established and the independent cost estimate completed. DCGS-N Increment 2 will have a Build Decision/MS B review which will approve the release of the Engineering, Manufacturing, and Development (EMD) Request For Proposal (RFP) which will lead to a contract award in FY2014.

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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2013 Navy **DATE:** February 2012

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BA 7: <i>Operational Systems Development</i>					

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>
Previous President's Budget	16.665	25.487	17.288	-	17.288
Current President's Budget	16.549	25.453	14.676	-	14.676
Total Adjustments	-0.116	-0.034	-2.612	-	-2.612
• Congressional General Reductions	-	-0.034			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	-2.600	-	-2.600
• Rate/Misc Adjustments	-	-	-0.012	-	-0.012
• Congressional General Reductions Adjustments	-0.116	-	-	-	-

**Change Summary Explanation**

Technical: Not applicable.

Schedule: The schedule has been revised to reflect the updated DCGS-N Increment 2 funding profile; resulting in a shift of Inc 2's Build Decision (BD) from 4QFY13 to 1QFY14 and any following Inc 2 milestones in FY14 - FY17 to reflect anticipated development, milestones, and fielding as identified under the tailored acquisition approach in accordance with the Department of Defense Instructions (DoDI 5000.02) Acquisition process.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Navy									<b>DATE:</b> February 2012		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0305208N: <i>Distributed Common Ground Sys</i>				<b>PROJECT</b> 2174: <i>Distributed Common Ground System-Navy (DCGS-N)</i>			
<b>COST (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
2174: <i>Distributed Common Ground System-Navy (DCGS-N)</i>	16.549	25.453	14.676	-	14.676	20.020	26.708	32.785	33.342	Continuing	Continuing
Quantity of RDT&E Articles	0	2	0	0	0	0	0	0	0		

**Note**

Beginning in FY12, funding was realigned from Maritime Domain Awareness (MDA) PE 0604231N into DCGS-N PE 0305208N. 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.

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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

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<p>testing of ISR Enterprise capability (Maritime Operations Centers (MOC) to MOC to afloat), development and migration of ISR SOA applications, and development and integration to leverage the 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.</p> <p>The Navy's Integrated Imagery and Intelligence Applications (I3 Apps) are an integrated set of applications designed to support analyst workflows and tactical intelligence processing, providing a useful integration framework to ensure joint intelligence interoperability across the GCCS and DCGS enterprise. Development of I3 Apps includes end to end intelligence analysis applications that leverage the MIDB and integration with NGA-provided digital map and imagery systems. I3 imagery applications provide for archiving, viewing and measurement of still and video images. The Navy's I3 effort is part of the Military Intelligence Program (MIP), managed by the Secretary of Defense through the Under Secretary of Defense for Intelligence (USD(I)).</p> <p>Joint Service Imagery Processing System - Navy (JSIPS-N) tech refresh and JSIPS-N Service Life Extension Program (JSLEP) upgrades provide shipboard digital imagery 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 Geo-positioning Service (CGS), Image Product Library (IPL), Imagery Exploitation Support System (IESS), and the Sharp Display System (SDS). JSIPS-N is the Navy's legacy imagery processing system. JSLEP will overcome JSIPS-N End-of-Life hardware challenges, software obsolescence, and improve systems reliability until DCGS-N fully replaces JSIPS-N ashore and afloat.</p> <p>DCGS-N Increment 2 will improve DCGS-N Increment 1 through the integration of multi-INT 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; and share this information across commands, services, and agencies to promote shared situational awareness. DCGS-N Increment 2 consists of 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 Defense Intelligence Information Enterprise (DI2E) framework; federates ISR and Tasking, Collection, Processing, Exploitation and Dissemination (TCPED) workflow and production improving throughput through automation; exploits new and evolving sensors; provides 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.</p> <p>The FY13, DCGS-N Increment 1 effort will focus on completing its Development Testing and Operational Assessment (DT/OA) in preparation for the DCGS-N Block 2 Limited Deployment Decision (LDD) and Follow-On Test and Evaluation (FOT&amp;E). The JSIPS-N/JSLEP Legacy capability will continue to be replaced by DCGS-N Increment 1.</p> <p>The FY13, DCGS-N Increment 2 effort begins with final preparation for a Build Decision at MS B. The Capability Development Document (CDD) is expected to complete Joint Requirements Oversight Council (JROC) review, the Service Cost Position (SCP) will be established and the independent cost estimate completed. DCGS-N Increment 2 will have a Build Decision/MS B review which will approve the release of the Engineering, Manufacturing, and Development (EMD) Request For Proposal (RFP) which will lead to a contract award in FY2014.</p>		

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Navy		<b>DATE:</b> February 2012		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305208N: <i>Distributed Common Ground Sys</i>	<b>PROJECT</b> 2174: <i>Distributed Common Ground System-Navy (DCGS-N)</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<b>Title:</b> DCGS-N Increment 1		14.784	15.022	7.200
<b>Articles:</b>		0	2	0
<b>FY 2011 Accomplishments:</b> Conducted System Integration Testing (SIT) and Developmental Test and Evaluation (DT&E) test events and Operational Test Readiness Review (OTRR) for the DCGS-N Increment 1 Block 1 Early Adopter Engineering Change Proposal (EA ECP) build. Began Increment 1 Block 2 design to incorporate collection management capabilities, enhanced Singnals Intelligence (SIGINT), software upgrades for new Navy sensors, and Moving Target Indicator (MTI) processor integration. Successfully completed Block 2 System Readiness Review and System Functional Review. Began preparations for Preliminary Design Review. Began updating/developing the Block 2 Test and Evaluation Master Plan (TEMP) and commenced development of two Block 2 Engineering Development Models (EDM). DCGS-N Requirements Working Group (DRWG) efforts in FY11 included updating and socializing specific DCGS-N Block 1 & 2 capabilities in support of Capabilities Production Document (CPD) requirements. DCGS-N's RDTE focus for Integrated Imagery and Intelligence (I3) specific components was on migration to Common Computing Environment (CCE), Service Oriented Architecture (SOA), widget related efforts, DCGS-N Enterprise Services, and environment, including transition to Common PC Operating System Environment (COMPOSE) 4.X.				
<b>FY 2012 Plans:</b> Conduct Follow-On Test and Evaluation (FOT&E) on Increment 1 Block 1 EA ECP and develop associated software patch as required. Complete design, development, and begin developmental testing of Increment 1 Block 2. New capabilities to include collection management capabilities, continued integration of enhanced Signals Intelligence (SIGINT), software upgrades for new Navy sensors, and Moving Target Indicator (MTI) processor integration. Deliver two Engineering Development Models (EDM) for DCGS-N Increment 1 Block 2. DCGS-N's RDTE focus for I3 specific components is on migration to Consolidated Afloat Networks and Enterprise Services (CANES) updated CCE, SOA, widget related efforts, DCGS-N Enterprise Services, and environment, including transition to COMPOSE 4.X.				
<b>FY 2013 Plans:</b> Conduct Increment 1 Block 2 Development Test and Operational Assessment (DT/OA) in preparation for the Block 2 Limited Deployment Decision (LDD) followed by the Block 2 Follow-On Operational Test and Evaluation (FOT&E). Begin development of a software patch to the Block 2 baseline based on the results of Development Test/Operational Test (DT/OT). Block 2 statutory, regulatory, and acquisition requirements will be updated during FY13 in preparation for a Fielding Decision Review (FDR) in early FY14. DCGS-N's RDTE will also focus on migration to CANES, CCE, SOA, widget related efforts, and the emerging Defense Intelligence Information Enterprise (DI2E) architecture.				
<b>Title:</b> DCGS-N Increment 2		0.765	10.431	7.476
<b>Articles:</b>		0	0	0

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<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305208N: <i>Distributed Common Ground Sys</i>	<b>PROJECT</b> 2174: <i>Distributed Common Ground System-Navy (DCGS-N)</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<p><b><i>FY 2011 Accomplishments:</i></b> Continued pre-acquisition activities such as: Material Development Decision (MDD), Analysis of Alternatives (AoA), Capability Development Document (CDD) development and initial cost analysis.</p> <p><b><i>FY 2012 Plans:</i></b> Complete an Analysis of Alternatives (AoA). Continue Capability Development Document (CDD), and conduct cost analysis based on AoA findings. Prepare for a program Build Decision (BD) for DCGS-N Increment 2. Begin 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). 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 Defense Intelligence Information Enterprise (DI2E) framework.</p> <p><b><i>FY 2013 Plans:</i></b> Complete statutory, regulatory, and acquisition requirements with final preparation for a Build Decision at MS B. Complete Increment 2 Capability Development Description (CDD), Test and Evaluation Master Plan (TEMP), Cost Analysis Requirements Document (CARD), Information Support Plan (ISP), and Life Cycle Cost Estimate (LCCE) leading to a Service Cost Position (SCP). Release of the Increment 2 Request For Proposal (RFP).</p>				
<p><b><i>Title:</i></b> Common Security and Discovery Services Increment 1</p> <p align="right"><b><i>Articles:</i></b></p> <p><b><i>Description:</i></b> Effort to migrate to common security and discovery services within the DCGS programs via Net-Centric Enterprise Services (NCES) and the DCGS Integrated Backbone (DIB). This effort improves the coordination and the acceleration of the introduction of NCES and DIB 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 in accordance with Under Secretary of Defense, Intelligence (USD(I)) guidance.</p> <p><b><i>FY 2011 Accomplishments:</i></b> Completed participation in development and demonstration of NCES; Continued to follow Pilot Plan; integrated DCGS test bed capabilities into Project Plan.</p>		1.000 0	-	-
<b>Accomplishments/Planned Programs Subtotals</b>		16.549	25.453	14.676

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<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305208N: <i>Distributed Common Ground Sys</i>	<b>PROJECT</b> 2174: <i>Distributed Common Ground System-Navy (DCGS-N)</i>
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**C. Other Program Funding Summary (\$ in Millions)**

<u>Line Item</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u> <u>Base</u>	<u>FY 2013</u> <u>OCO</u>	<u>FY 2013</u> <u>Total</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OPN 2914: <i>Distributed Common Ground System-Navy (DCGS-N)</i>	16.543	11.201	11.887	0.000	11.887	17.470	24.548	33.664	34.614	91.908	492.952

**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 Instructions (DoDI 5000.02) tailoring restructuring. DCGS-N Increment 2 acquisition strategy calls for an accelerated approval for the Capabilities 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. The first planned DCGS-N Increment 2 release establishes an ISR capability supporting the Tasking, Processing Exploitation Dissemination (TPED) needs of the Fleet. DCGS-N Increment 2 Release 2 provides Multi Intelligence (Multi-INT) ISR capabilities to Navy forces afloat and ashore Maritime Operation Centers (MOC) that capitalize on a robust ashore enterprise based on the Defense Intelligence Information Enterprise (DI2E).

**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: Conduct Increment 1 Block 2 Development Test and Operational Assessment (DT/OA) in preparation for the Block 2 Limited Deployment Decision (LDD) followed by the Block 2 Follow-On Test and Evaluation (FOT&E).

DCGS-N Increment 2 Goal: Develop a Multi-INT ISR capability that supports afloat forces through a robust enterprise ISR capability supporting 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).



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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy** **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305208N: <i>Distributed Common Ground Sys</i>	<b>PROJECT</b> 2174: <i>Distributed Common Ground System-Navy (DCGS-N)</i>
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<b>Product Development (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Primary Hardware Development (prior)	WR	SSC LANT:Charleston, SC	5.276	-		-		-		-	0.000	5.276	
Primary Hardware Development	C/CPFF	BAE:Rancho Bernardo, CA	2.331	0.500	Nov 2011	0.271	Nov 2012	-		0.271	Continuing	Continuing	Continuing
Systems Engineering (prior)	C/CPAF	Various:Various	8.753	-		-		-		-	0.000	8.753	
Systems Engineering (prior)	C/CPAF	JFCOMM:Norfolk, VA	5.634	-		-		-		-	0.000	5.634	
Systems Engineering	C/CPFF	BAE:Rancho Bernardo, CA	26.247	7.500	Nov 2011	3.316	Nov 2012	-		3.316	Continuing	Continuing	Continuing
Systems Engineering (prior)	C/CPAF	LMSI:Valley Forge, PA	4.432	-		-		-		-	0.000	4.432	
Systems Engineering	WR	SSC Lant:Charleston, SC	8.772	2.370	Oct 2011	1.108	Oct 2012	-		1.108	Continuing	Continuing	Continuing
Systems Engineering	C/CPFF	SETA SAIC:Columbia, MD	3.160	1.900	Nov 2011	1.428	Nov 2012	-		1.428	Continuing	Continuing	Continuing
Systems Engineering (prior)	Various	SAIC:Columbia, MD	4.804	-		-		-		-	0.000	4.804	
Systems Engineering	C/CPFF	L3:Chantilly, VA	4.170	0.566	Dec 2011	0.330	Dec 2012	-		0.330	Continuing	Continuing	Continuing
Licenses (prior)	C/CPAF	BAE, SSC Lant:Various	0.660	-		-		-		-	0.000	0.660	
Systems Engineering	WR	SSC PAC:San Diego, CA	0.840	1.200	Oct 2011	1.200	Oct 2012	-		1.200	Continuing	Continuing	Continuing
Licenses	WR	SSC LANT:Charleston, SC	0.075	0.080	Dec 2011	0.055	Dec 2012	-		0.055	Continuing	Continuing	Continuing
Systems Engineering	C/CPIF	Inc 2 (PMP):Unknown	-	-		-		-		-	Continuing	Continuing	Continuing
<b>Subtotal</b>			75.154	14.116		7.708		-		7.708			

**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.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy** **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305208N: <i>Distributed Common Ground Sys</i>	<b>PROJECT</b> 2174: <i>Distributed Common Ground System-Navy (DCGS-N)</i>
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<b>Support (\$ in Millions)</b>				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Support (prior)	Various	Various:Various	4.136	-		-		-		-	0.000	4.136	
Software Development (prior)	C/CPAF	BAE, NG:Various	16.733	-		-		-		-	0.000	16.733	
Integrated Logistics Support (prior)	Various	L3, SAIC:Various	4.380	-		-		-		-	0.000	4.380	
Configuration Management (prior)	C/CPAF	L3:Chantilly, VA	2.353	-		-		-		-	0.000	2.353	
Technical Data (prior)	Various	L3, SSC CHAS:Various	0.577	-		-		-		-	0.000	0.577	
Development Support	C/CPFF	SETA SAIC:Columbia, MD	0.331	0.300	Nov 2011	0.203	Nov 2012	-		0.203	Continuing	Continuing	Continuing
Development Support	WR	SSC Lant:Charleston, SC	0.280	0.200	Oct 2011	0.136	Oct 2012	-		0.136	Continuing	Continuing	Continuing
Development Support	C/CPFF	Unknown:Unknown	-	2.900	Feb 2012	0.492	Nov 2012	-		0.492	Continuing	Continuing	Continuing
Software Development	C/CPFF	Northrop Grumman:Los Angeles, CA	0.949	0.950	Dec 2011	0.644	Dec 2012	-		0.644	Continuing	Continuing	Continuing
Software Development	C/CPFF	BAE:Rancho Bernardo, CA	0.334	0.400	Nov 2011	0.272	Nov 2012	-		0.272	Continuing	Continuing	Continuing
Integrated Logistics Support	C/CPFF	Unknown:Unknown	-	0.900	Feb 2012	0.339	Nov 2012	-		0.339	Continuing	Continuing	Continuing
Integrated Logistics Support	WR	SSC Lant:Charleston, SC	0.737	0.950	Oct 2011	0.644	Oct 2012	-		0.644	Continuing	Continuing	Continuing
Configuration Management	WR	SSC Lant:Charleston, SC	0.658	0.550	Oct 2011	0.373	Oct 2012	-		0.373	Continuing	Continuing	Continuing
<b>Subtotal</b>			31.468	7.150		3.103		-		3.103			

**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.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy** **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305208N: <i>Distributed Common Ground Sys</i>	<b>PROJECT</b> 2174: <i>Distributed Common Ground System-Navy (DCGS-N)</i>
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<b>Test and Evaluation (\$ in Millions)</b>				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation (prior)	Various	SAIC, L3, SSC LANT:Various	10.443	-		-		-		-	0.000	10.443	
Operational Test & Evaluation (prior)	Various	SAIC, NAWC, NGES, OPTEVFOR, NSWC Corona:Various	5.056	-		-		-		-	0.000	5.056	
Developmental Test & Evaluation	C/CPFF	BAE:Rancho Bernardo, CA	0.366	0.120	Nov 2011	0.081	Nov 2012	-		0.081	Continuing	Continuing	Continuing
Developmental Test & Evaluation (prior)	WR	SSC Lant:Charleston, SC	0.747	-		-		-		-	0.000	0.747	
Operational Test & Evaluation	WR	SSC Pac:San Diego, CA	0.118	0.120	Oct 2011	0.082	Oct 2012	-		0.082	Continuing	Continuing	Continuing
Operational Test & Evaluation	C/CPFF	BAE:Rancho Bernardo, CA	-	1.360	Nov 2011	1.524	Nov 2012	-		1.524	Continuing	Continuing	Continuing
Operational Test & Evaluation	WR	SSC Lant:Charleston, CA	-	0.120	Oct 2011	0.081	Oct 2012	-		0.081	Continuing	Continuing	Continuing
Operational Test & Evaluation	C/CPFF	COTF:Norfolk, VA	-	0.120	Oct 2011	0.082	Oct 2012	-		0.082	Continuing	Continuing	Continuing
<b>Subtotal</b>			16.730	1.840		1.850		-		1.850			

**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.

<b>Management Services (\$ in Millions)</b>				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support (prior)	C/CPAF	SAIC:Columbia, MD	1.316	-		-		-		-	0.000	1.316	
Travel	Allot	SPAWAR:San Diego, CA	0.659	0.060	Oct 2011	0.060	Oct 2012	-		0.060	Continuing	Continuing	Continuing
Government Engineering Support	WR	SSC Lant:Charleston, SC	1.284	0.200	Oct 2011	0.136	Oct 2012	-		0.136	Continuing	Continuing	Continuing

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy** **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305208N: <i>Distributed Common Ground Sys</i>	<b>PROJECT</b> 2174: <i>Distributed Common Ground System-Navy (DCGS-N)</i>
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<b>Management Services (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Program Management Support	C/CPFF	PSS BAH:San Diego, CA	0.248	1.023	Nov 2011	1.097	Nov 2012	-		1.097	Continuing	Continuing	Continuing
Program Management Support	WR	SSC Lant:Charleston, SC	0.339	0.839	Oct 2011	0.569	Oct 2012	-		0.569	Continuing	Continuing	Continuing
Program Management Support	WR	SSC Pac:San Diego, CA	0.205	0.225	Oct 2011	0.153	Oct 2012	-		0.153	Continuing	Continuing	Continuing
<b>Subtotal</b>			4.051	2.347		2.015		-		2.015			

**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.

	<b>Total Prior Years Cost</b>	<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>	127.403	25.453		14.676		-		14.676			

**Remarks**

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 Navy		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305208N: <i>Distributed Common Ground Sys</i>	<b>PROJECT</b> 2174: <i>Distributed Common Ground System-Navy (DCGS-N)</i>

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 Navy		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305208N: <i>Distributed Common Ground Sys</i>	<b>PROJECT</b> 2174: <i>Distributed Common Ground System-Navy (DCGS-N)</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Proj 2174</b>				
DCGS-N BLK 2 DT/OT Landbased	1	2013	1	2013
DCGS-N BLK 2 FOTE Shipboard	4	2013	4	2013
DCGS-N Inc 2 Release 1 DT/OT Landbased	4	2015	1	2016
Trident Warrior / Empire Challenge EA ECP 2011	2	2011	3	2011
Trident Warrior / DCGS Family of Systems BLK 2 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
I3 Software Deliveries 2011	1	2011	4	2011
I3 Software Deliveries 2012	1	2012	4	2012
I3 Software Deliveries 2013	1	2013	4	2013
I3 Software Deliveries 2014	1	2014	4	2014
I3 Software Deliveries 2015	1	2015	4	2015
I3 Software Deliveries 2016	1	2016	4	2016
I3 Software Deliveries 2017	1	2017	4	2017
DCGS-N BLK 2 Development	3	2011	1	2014
DCGS-N Inc 2 Release 1 Development	3	2014	1	2016
DCGS-N Inc 2 TEMP	3	2013	3	2013
DCGS-N Inc 2 Release 2 Development	4	2015	2	2017

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2013 Navy **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305208N: <i>Distributed Common Ground Sys</i>	<b>PROJECT</b> 2174: <i>Distributed Common Ground System-Navy (DCGS-N)</i>
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
DCGS-N BLK 2 LDD	2	2013	2	2013
DCGS-N Inc 2 BD	1	2014	1	2014
DCGS-N Inc 1 FD	4	2014	4	2014
DCGS-N Inc 2 CDD	1	2013	1	2013
DCGS-N Inc 2 Procurement	3	2015	4	2017
DCGS-N Inc 1 BLK 1 EA ECP TEMP	1	2011	1	2011
ICOP Procurement	1	2015	4	2017
DCGS-N Inc 1 BLK 2 TEMP	2	2012	2	2012
DCGS-N Inc 2 MDD	4	2011	4	2011
DCGS-N BLK 2 OT AFLOAT	3	2013	3	2013
DCGS-N Inc 2 FDDR	2	2017	3	2017
DCGS-N Inc 1 Procurement	1	2011	4	2014
EA ECP FOTE (Shipboard)	2	2012	2	2012
DCGS-N Inc 1 BLK 2 EDM (2)	1	2012	4	2012
DCGS-N Inc 2 Prototypes 1 & 2	1	2012	2	2014
DCGS-N Inc 2 Release 2 DT/OT	4	2016	1	2017
DCGS-N Inc 1 and Inc 2 Tech Refresh	1	2011	4	2017
DCGS-N Inc 1 BLK 2 FDD	1	2014	1	2014
DCGS-N Inc 2 Release 1 IOT&E	1	2016	2	2016
DCGS-N Inc 2 Release 2 FOT&E	1	2017	1	2017