Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Defense Information Systems Agency										DATE: February 2012	
APPROPRIATION/BUDGET ACTIVITY 0400: *Research, Development, Test & Evaluation, Defense-Wide* BA 7: *Operational Systems Development*					**R-1 ITEM NOMENCLATURE** PE 0305208K: *Distributed Common Ground/Surface Systems*						

COST ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	3.485	3.154	3.247	-	3.247	3.384	3.441	3.441	3.480	Continuing	Continuing
NF1: *Distributed Common Ground/ Surface Systems*	3.485	3.154	3.247	-	3.247	3.384	3.441	3.441	3.480	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

Joint Interoperability Test Command (JITC) coordinates with the Military Services and Defense Intelligence Agencies on performing Joint/Distributed Common Ground/ Surface System (DCGS) testing and analysis to include event coordination, configuration, instrumentation and integration functions on the Distributed Development and Test Enterprise (DDTE) as part of the DCGS Governance. Under the DCGS Governance, this effort is referred to as the DCGS Test and Evaluation (T&E) Focus Team and is composed of three parts: The DDTE Focus Group, providing and sustaining a distributed development network; the Strategy Focus Group, looking at current and future net-enabled enterprise testing and evaluation methods; and the Execution Focus Group which leverages the Strategy Focus Groups methodologies in execution of test events such as the annual DCGS demonstration, EMPIRE CHALLENGE. These program components enable improved systems engineering and test and evaluation throughout all phases of the DCGS life-cycle culminating in the DCGS Enterprise becoming a contributing member of the Defense Intelligence Information Enterprise (DI2E).

DCGS Programs of Record (PoRs) and Coalition partners use the DDTE network to integrate architecture, standards, and capabilities for implementation of the DCGS Integration Backbone (DIB) and supports the migration to net-centricity, including DCGS Enterprise services for the following PoRs: DCGS-Army (DCGS-A), DCGS-Navy (DCGS-N), Air Force DCGS (AF DCGS), DCGS-Marine Corps (DCGS-MC), DCGS-Special Operations Forces (DCGS-SOF) and the DCGS Intelligence Community (DCGS-IC). Net-enabled enterprise testing is designed to more closely simulate the complexities of an actual combat environment. JITC engineered the DDTE network to support the assessment of the DCGS Enterprise under the DCGS Governance. National Agency capabilities supporting DCGS include Imagery Intelligence (IMINT), Signals Intelligence (SIGINT), Measurement and Signature Intelligence (MASINT) and Human Intelligence (HUMINT), which are integrated and tested in the DDTE domain.

JITC operates the DDTE, providing DCGS PoRs a virtual operationally relevant environment maintaining connectivity between national agency, coalition partners and Service facilities. DDTE allows robust integration of modeling and simulation T&E capabilities across Joint/DCGS events without bringing vulnerabilities to the operational Command and Control (C2) network known as Secret Internet Protocol Router Network (SIPRNET). DDTE has enabled vast improvements in systems engineering, instrumentation and test and evaluation throughout all phases of the DCGS life cycle.

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B. Program Change Summary ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	3.513	3.154	3.259	-	3.259
Current President's Budget	3.485	3.154	3.247	-	3.247
Total Adjustments	-0.028	-	-0.012	-	-0.012
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustment	-0.028	-	-0.012	-	-0.012

Change Summary Explanation

The FY 2011 reduction of -$0.028 supports higher agency priorities.

The FY 2013 reduction of -$0.012 is due to the increased utilization of DCO and teleconferences in lieu of travel and adjustments for inflation.

C. Accomplishments/Planned Programs ($ in Millions)	FY 2011	FY 2012	FY 2013
Title: Distributed Common Ground/Surface Systems (DCGS)	3.485	3.154	3.247

FY 2011 Accomplishments:
Provided DDTE support and enhanced functionality with ever expanding capability to include our Coalition partners through data sharing. DCGS Enterprise T&E support included six Enterprise-level test and evaluations for the DCGS PoRs, National Agencies and Coalition Partners, as well as Development and instrumentation for data collection and testing support on the 15 DCGS network domains, operational testing support, and interoperability testing/certification as required. The T&E Focus Team validated that the five Enterprise Maturity Model criteria was as defined and testable across the entire DCGS Enterprise.

FY 2012 Plans:
As part of the DCGS Governance, the Chair of the DCGS T&E Focus Team, including the DDTE Focus Group, DCGS T&E Strategy Focus Group and the DCGS T&E Execution Focus Group continues to support DDTE and DI2E enhanced functionality with T&E capability, as well as DDTE support and enhanced functionality with capability to include more Coalition partners through data sharing. DCGS Enterprise T&E support includes nine Enterprise-level test and evaluations for the DCGS PoRs, National Agencies and Coalition Partners. Continuing development and instrumentation for data collection and testing support on the 15 DCGS network domains and enclaves, operational testing support, and interoperability testing/certification as required. These efforts are measured by the ever expanding Enterprise Maturity Model defined by the DCGS community in FY 2010 and FY 2011.

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C. Accomplishments/Planned Programs ($ in Millions)	**FY 2011**	**FY 2012**	**FY 2013**
The decrease of -$0.331 from FY 2011 to FY 2012 is in support of the Agency's proposed savings to support the SECDEF initiative on improving DoD business operations. ***FY 2013 Plans:*** The Chair of the DCGS T&E Focus Team, as part of the DCGS Governance, will continue to support DDTE and enhanced functionality with ever expanding T&E capability, as well as DDTE support and enhanced functionality with capability to include more Coalition partners through data sharing. DCGS Enterprise T&E support will continue to include Enterprise-level test and evaluations for the DCGS PoRs, National Agencies and Coalition Partners ,as well as continuing development and instrumentation for data collection and testing support on the 15 DCGS network domains and enclaves, operational testing support, and interoperability testing/certification as required. These efforts will continue to be measured by the Enterprise Maturity Model defined by the DCGS community. The increase of +$0.093 from FY 2012 to FY 2013 is due to the aggregate effect of the Agency's proposed FY 2012 savings to support the SECDEF initiative on improving DoD business operations and increased utilization of DCO and teleconferences in lieu of travel costs in FY 2013.			
Accomplishments/Planned Programs Subtotals	3.485	3.154	3.247

D. Other Program Funding Summary ($ in Millions)
  N/A

E. Acquisition Strategy
  DCGS uses an evolutionary acquisition approach constructed under the DCGS Governance. JITC will support the effort by leveraging its existing three prime contracts, with multiple sub-contracts, to support this project. These competitively-awarded, performance-based, non-personal-services contracts provide maximum flexibility for JITC supporting its numerous customers for cost and technical effectiveness, and allows for expansion and contraction of staff years as workload increases and decreases. The current prime contractors that support this effort are Northrop Grumman Mission Systems, Northrop Grumman Information Technology (to be Task N and Task M pending novation), and INTEROP Joint Venture.

F. Performance Metrics
  Test and Evaluation Focus Team metrics will ensure DCGS Enterprise T&E support, to include nine Enterprise-level tests and evaluations, for the six DCGS PoRs, and five actively participating Coalition Partners, and interoperability testing/certification as required. Currently, out of eight DCGS base-lined PoRs' software versions systems, two hold Joint Staff (JS) Interoperability (IOP) Certification under development and four are in prototype status. DCGS T&E Focus Team and JITC will continue to collect data on these systems towards overall JS IOP Certification as they develop. JITC's NIL plans on increasing the queries captured across the 15 DDTE nodes in DCGS Enterprise during FY 2013's test events from 130,000 in FY 2010 to over 300,000. This effort provides the basis for the DCGS Enterprise

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Assessment, allowing OUSD(I) to measure the five levels of maturity of the DCGS Enterprise supporting the DCGS Governance. The Test and Evaluations Focus Team will be expanding data collection instrumentation via DDTE to include all potential DCGS domains and enclaves covering the entire DI2E.

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Exhibit R-3, **RDT&E Project Cost Analysis:** PB 2013 Defense Information Systems Agency | | **DATE:** February 2012

APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT
0400: *Research, Development, Test & Evaluation, Defense-Wide* BA 7: *Operational Systems Development*	PE 0305208K: *Distributed Common Ground/ Surface Systems*	NF1: *Distributed Common Ground/Surface Systems*

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
In-House Contracts	Various	N/A:N/A	16.350	0.766	Oct 2011	-		-		-	Continuing	Continuing	Continuing
Subtotal			16.350	0.766		-		-		-			

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering/Technical Services 1	C/T&M	Interop:Ft. Hua, AZ	3.247	-		-		-		-	Continuing	Continuing	Continuing
Engineering/Technical Services 2	C/T&M	NGMS:Ft. Hua, AZ	11.078	-		-		-		-	Continuing	Continuing	Continuing
Engineering/Technical Services 3	C/T&M	NGIT:Ft. Hua, AZ	3.178	-		-		-		-	Continuing	Continuing	Continuing
TBD	TBD	TBD:TBD	-	2.388	Oct 2011	3.247	Oct 2012	-		3.247	Continuing	Continuing	Continuing
Subtotal			17.503	2.388		3.247		-		3.247			

	Total Prior Years Cost	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	33.853	3.154	3.247	-	3.247			

Remarks

PE 0305208K: *Distributed Common Ground/Surface Systems*
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Exhibit R-4, **RDT&E Schedule Profile:** PB 2013 Defense Information Systems Agency		**DATE:** February 2012
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	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
DCGS T&E IPT																												
Connectivity to Other Testbeds & Test Event Conduct																												
Operation and Maintenance Support																												

Exhibit R-4A, **RDT&E Schedule Details:** PB 2013 Defense Information Systems Agency		**DATE:** February 2012
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Schedule Details

Events	Start		End	
	Quarter	**Year**	**Quarter**	**Year**
DCGS T&E IPT	1	2011	4	2017
Connectivity to Other Testbeds & Test Event Conduct	1	2011	4	2017
Operation and Maintenance Support	1	2011	4	2017

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