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Exhibit R-2, RDT&E Budget Item Justification				Date: February 2007				
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense-Wide/07				R-1 ITEM NOMENCLATURE Distributed Common Ground/Surface Systems/PE 0305208K				
COST (in millions)	FY 06	FY07	FY08	FY09	FY10	FY11	FY12	FY13
Distributed Common Ground/Surface Systems (DCGS)/NF1	0.000	7.424	15.800	3.248	3.352	3.756	3.794	3.794

A. Mission Description and Budget Item Justification: The Joint Interoperability Test Command (JITC), as the sole joint interoperability certification agent, will establish and maintain a Distributed Development and Test Enterprise (DDTE) for the DoD Distributed Common Ground/Surface System (DCGS) Program. DCGS is an integral and critical component of the overall DoD Intelligence, Surveillance, and Reconnaissance (ISR) interoperability and data integration strategy. The DCGS provides world-wide ground/surface capabilities to receive, process, exploit, and disseminate data from airborne and national reconnaissance sensors/platforms and commercial sources. The ability for any user to discover, access, and understand the data are key tenets of network-centric operations which is the future of DCGS operations.

JITC will implement the DDTE providing DCGS an operationally relevant environment by establishing and maintaining connectivity between National Agency and Service facilities at unclassified, collateral, Sensitive Compartmented Information (SCI), and coalition levels. JITC will coordinate with the Services and Agencies on integrating modeling and simulation capabilities, and performing Joint/DCGS event coordination, configuration, and integration functions on the DDTE. This will enable improved systems engineering and test and evaluation throughout all phases of the DCGS life-cycle.

DCGS will use the DDTE to integrate architecture, standards, and capabilities for implementation of the DCGS Integration Backbone (DIB) and support the migration to net-centricity, including convergence with Net-Centric Enterprise Services (NCES), for the following DCGS programs: DCGS-Army (DCGS-A), DCGS-Navy (DCGS-N), Air Force DCGS (AF DCGS), and DCGS-Marine Corps (DCGS-MC). National Agency capabilities supporting DCGS including Imagery Intelligence (IMINT), Signals Intelligence (SIGINT), Measurement and Signature Intelligence (MASINT) and Human Intelligence (HUMINT) capabilities will also be integrated and tested in the DDTE. The DCGS programs will use the DDTE to improve / validate interoperability with the reconnaissance platforms and sensors, and integration into the Joint Command and Control environment.

JITC will develop a formal interoperability certification program and provide interoperability testing service to the DCGS program managers and the Office of the Under Secretary of Defense for Intelligence (OUSD(I)) to document interoperability test requirements, provide standards conformance and interoperability test capabilities, develop standards conformance and interoperability test planning documents, conduct standards conformance and interoperability test events, develop DCGS program reporting documents, and conduct joint interoperability certification. Standards addressed for DDTE will include those defined in coordination with DISA for Joint Command and Control (JC2) and NCES, as well as Common Data Link (CDL), Intelligence Broadcast System (IBS), National Imagery Text Format (NITF), LINK

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11/11B/16, United States Message Text Format (USMTF), Extensible Markup Language (XML), and Information Assurance (IA).

B. Program Change Summary:

	<u>FY 06</u>	<u>FY 07</u>	<u>FY 08</u>	<u>FY 09</u>
Previous President's Budget	0.000	7.451	15.960	3.281
Current President's Budget	0.000	7.424	15.800	3.248
Total Adjustments	0.000	-0.027	-0.160	-0.033

Change Summary Explanation:

FY 2007, FY 2008 and FY 2009 adjustments due to various pricing adjustments.

C. Other Program Funding.

	<u>FY06</u>	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	To <u>Complete</u>	Total <u>Cost</u>
O&M, DW	0	1.197	2.388	.580	.585	.616	.593	.590	6.549	6.549

D. Acquisition Strategy. DCGS uses an evolutionary acquisition approach. 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 expands and contracts. The current prime contractors that will support this effort are Northrop Grumman Mission Systems, Northrop Grumman Information Technology, and INTEROP Joint Venture.

E. Performance Metrics.

- Number / Percentage of DDTE supported DCGS Systems/Capabilities
- Number / Percentage of standard compliant DDTE supported DCGS System/Capabilities
- Number / Percentage of Interoperability certified DDTE supported DCGS System/Capabilities
- Number / Percentage of DDTE supported DCGS Systems/Capabilities achieved IOC

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Exhibit R-3 Cost Analysis				DATE: February 2007				
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense-Wide/07		PROGRAM ELEMENT Distributed Common Ground/Surface Systems/PE 0305208K			PROJECT NAME AND NUMBER Distributed Common Ground/Surface Systems/NF1			

<u>Test and Evaluation</u>												
<u>Cost Category</u>	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total PYS Cost</u>	<u>FY 07 Cost</u>	<u>FY 07 Award Date</u>	<u>FY 08 Cost</u>	<u>FY 08 Award Date</u>	<u>FY 09 Cost</u>	<u>FY 09 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
Engineering/Technical Services	FFP/LOE	Interop Ft. Hua, AZ	N/A	.493	10/06	5.029	10/07	1.083	TBD	Cont'g	Cont'g	Cont'g
	FFP/LOE	NGMS Ft. Hua, AZ	N/A	2.222	10/06	5.029	10/07	1.083	TBD	Cont'g	Cont'g	Cont'g
	FFP/LOE	NGIT Ft. Hua, AZ	N/A	.325	10/06	5.030	10/07	1.082	TBD	Cont'g	Cont'g	Cont'g
Subtotal Contracts				3.040		15.088						
In-House				4.384		.712		TBD				
Total Project				7.424		15.800		3.248				

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Exhibit R-4 Schedule Profile																Date: February 2007																															
Appropriation/Budget Activity RDT&E, Defense-Wide/07																Program Element Number and Name Distributed Common Ground/Surface Systems / PE 0305208K																Project Number and Name Distributed Common Ground/Surface Systems / NF1															
Fiscal Year	2006				2007				2008				2009				2010				2011				2012				2013																		
	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	1	2	3	4															
DCGS T&E IPT																																															
Establishment of Infrastructure																																															
Connectivity to Other Testbeds & Test Event Conduct																																															
O&M and Event Conduct																																															

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Exhibit R-4a Schedule Detail					DATE: February 2007			
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT				PROJECT NAME AND NUMBER			
RDT&E, Defense-Wide/07	Distributed Common Ground/Surface Systems/PE 0305208K				Distributed Common Ground/Surface Systems/NF1			
<u>Schedule Profile</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>
DCGS T&E IPT		1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q
Establishment of Infrastructure		1-4Q						
Connectivity to Other Testbeds & Test Event Conduct			1-4Q					
O&M and Event Conduct				1-4Q	1-4Q	1-4Q	1-4Q	1-4Q