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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 The Joint Staff **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>				PE 0303149J: <i>Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW)</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	3.739	2.261	-	-	-	-	-	-	-	0.000	6.000
P001: <i>Communication Requirements Development Support</i>	0.801	0.886	-	-	-	-	-	-	-	0.000	1.687
P002: <i>Coalition Warrior Interoperability Demo</i>	1.457	-	-	-	-	-	-	-	-	0.000	1.457
P003: <i>Communications Operations Analysis and Integration</i>	1.481	1.375	-	-	-	-	-	-	-	0.000	2.856

A. Mission Description and Budget Item Justification

The Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW) vision evolved into the Department's Global Information Grid (GIG) as a means to achieve Information Superiority. The GIG is the globally interconnected, end-to-end set of information capabilities, associated processes, and personnel for collecting, processing, storing, disseminating and managing information on-demand to warfighters, policy makers, and support personnel. The GIG includes all owned and leased communications and computing systems and services, software (including applications), data, security services, and other associated services necessary to achieve Information Superiority. It also includes National Security Systems as defined in section 5142 of the Clinger-Cohen Act of 1996. The GIG supports all DOD, National Security, and related Intelligence Community missions and functions (strategic, operational, tactical and business), in war and in peace. The GIG also provides capabilities from all operating locations (bases, posts, camps, stations, facilities, mobile platforms, and deployed sites). Finally, the GIG provides interfaces to coalition, allied, and non-DOD users and systems.

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APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303149J: <i>Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW)</i>
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B. Program Change Summary (\$ in Millions)	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012 Base</u>	<u>FY 2012 OCO</u>	<u>FY 2012 Total</u>
Previous President's Budget	3.739	2.261	1.459	-	1.459
Current President's Budget	3.739	2.261	-	-	-
Total Adjustments	-	-	-1.459	-	-1.459
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Dis-establishment of Joint Staff J6 - Command, Control, Communications, Computers, and Intelligence for the Warrior	-	-	-1.459	-	-1.459

Change Summary Explanation

The Joint Staff's FY 2012 Command, Control, Communications, Computers, and Intelligence for the Warrior program is dis-established as a Department efficiency offset.

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Exhibit R-2A, RDT&E Project Justification: PB 2012 The Joint Staff								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0303149J: Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW)				PROJECT P001: Communication Requirements Development Support			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
P001: Communication Requirements Development Support	0.801	0.886	-	-	-	-	-	-	-	0.000	1.687
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
The Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW) vision evolved into the Department's Global Information Grid (GIG) as a means to achieve Information Superiority. The GIG is the globally interconnected, end-to-end set of information capabilities, associated processes, and personnel for collecting, processing, storing, disseminating and managing information on-demand to warfighters, policy makers, and support personnel. The GIG includes all owned and leased communications and computing systems and services, software (including applications), data, security services, and other associated services necessary to achieve Information Superiority. It also includes National Security Systems as defined in section 5142 of the Clinger-Cohen Act of 1996. The GIG supports all DOD, National Security, and related Intelligence Community missions and functions (strategic, operational, tactical and business), in war and in peace. The GIG also provides capabilities from all operating locations (bases, posts, camps, stations, facilities, mobile platforms, and deployed sites). Finally, the GIG provides interfaces to coalition, allied, and non-DOD users and systems.											
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2010	FY 2011	FY 2012	
Title: Communication Requirements Development Support								0.801	0.886	-	
Description: Supports Joint Command, Control, Communications, and Computers (C4) analytical tool development; Global Information Grid (GIG) transformational activities; GIG network operations and related network management and configuration management efforts, cyberspace operations, and joint C4 network and program development. Institutionalizes knowledge management capabilities across the Joint Staff. Ensures synchronization of systems to network capabilities, validates the Net-Ready Key Performance Parameters, and certifies interoperability and supportability.											
Beginning in FY 2012, this program absorbs functions from the Communications Operations Analysis and Integration (P003) program. Future operations will rely on seamless and fully integrated Satellite Communications and terrestrial Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) systems and networks - all capable of supporting network centric operations. The use of creative analytical methodologies, C4ISR assessment tools, modeling and simulation, functional analysis, architecture development and assessment tools, and other analytical techniques, as appropriate, will help the development of insights and solutions to further evolve to a fully connected, integrated, and interoperable force.											

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APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303149J: <i>Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW)</i>	PROJECT P001: <i>Communication Requirements Development Support</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2010	FY 2011
<i>FY 2010 Accomplishments:</i> Completed actions required in National Military Strategy for Cyberspace Operations Implementation Plan. Supported incorporation of Cyber/NetOps into Guidance for the Employment of the Force, Guidance for the Development of the Force, JSCAP C4 annex. Supported USCYBERCOM standup.			
<i>FY 2011 Plans:</i> Develop Network Operations C2 policy. Support Cyberspace Joint Operational Concept. Support COCOM planning process.			
<i>FY 2012 Plans:</i> The Joint Staff's FY 2012 Command, Control, Communications, Computers, and Intelligence for the Warrior program is dis-established, as a Department efficiency offset.			
Accomplishments/Planned Programs Subtotals		0.801	0.886
C. Other Program Funding Summary (\$ in Millions) N/A			
D. Acquisition Strategy N/A			
E. Performance Metrics - FY11: Complete actions required in National Military Strategy for Cyberspace Operations Implementation Plan - FY11: Track of IPv6 certification criteria - FY11: Identify/develop venues to certify specific IPv6 criteria			

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APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0303149J: Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW)				PROJECT P002: Coalition Warrior Interoperability Demo			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
P002: Coalition Warrior Interoperability Demo	1.457	-	-	-	-	-	-	-	-	0.000	1.457
Quantity of RDT&E Articles	0	0	0		0	0	0	0			

A. Mission Description and Budget Item Justification

The Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW) vision evolved into the Department's Global Information Grid (GIG) as a means to achieve Information Superiority. The GIG is the globally interconnected, end-to-end set of information capabilities, associated processes, and personnel for collecting, processing, storing, disseminating and managing information on-demand to warfighters, policy makers, and support personnel. The GIG includes all owned and leased communications and computing systems and services, software (including applications), data, security services, and other associated services necessary to achieve Information Superiority. It also includes National Security Systems as defined in section 5142 of the Clinger-Cohen Act of 1996. The GIG supports all DOD, National Security, and related Intelligence Community missions and functions (strategic, operational, tactical and business), in war and in peace. The GIG also provides capabilities from all operating locations (bases, posts, camps, stations, facilities, mobile platforms, and deployed sites). Finally, the GIG provides interfaces to coalition, allied, and non-DOD users and systems.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2010	FY 2011	FY 2012
Title: Coalition Warrior Interoperability Demonstration	1.457	-	-
Description: The Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW) program evolved into the Department's Global Information Grid (GIG) as a means to achieve information superiority. Coalition Warrior Interoperability Demonstration (CWID) provides focus and visibility into resolving joint, coalition, and national civil authority C4 interoperability issues and provides organizing principles, techniques, and procedures for achieving information superiority as envisioned by Joint Vision 2020. The GIG stresses interoperability and CWID leverages the rapid pace of C4 technology advancements. CWID is a Chairman's annual event that enables the US combatant commands, national civil authorities, and international community to investigate command, control, communications, computers, intelligence, surveillance and reconnaissance (C4ISR) solutions that focus on relevant and timely objectives for enhancing coalition interoperability and exploring new partnerships. CWID is conducted in a simulated operational environment to provide context for warfighter and national civil authorities' validation of those solutions. Interoperability Trials (ITs) are the activities used to address the core coalition and interagency interoperability objectives selected each year. ITs strive to address warfighter requirements and interoperability deficiencies. The selection of trials is dependent upon the annual overarching objectives, the host combatant command's priorities, Coalition/State/Agency desires to partner in a proposed trial, interagency participation, and the desires of invited coalition participants. CWID is an integral component of the JV 2020 conceptual template.			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2010	FY 2011
<p><i>FY 2010 Accomplishments:</i> Focused on real world and future problems (i.e., CENTRIX-ISAF). Exploited opportunities for integration and collaboration with CYBERCOM. Evaluated 40 technologies and capabilities (many new and emerging) for exchanging information among coalition partners, military services, government agencies, first responders and U.S. combatant commanders. Investigated capabilities to develop an Information Communication Technologies umbrella for coalition operations to facilitate multinational command and control. Developed criteria/standards for assessing technologies to be measured against for use in a “coalition environment”. Conducted day-to-day program operations, six planning conferences/meetings, and demonstration execution.</p> <p><i>FY 2011 Plans:</i> None. This program was transferred to USJFCOM, as directed by the Vice Chairman, in FY2011.</p> <p><i>FY 2012 Plans:</i> None.</p>			
Accomplishments/Planned Programs Subtotals		1.457	-
C. Other Program Funding Summary (\$ in Millions)			
N/A			
D. Acquisition Strategy			
N/A			
E. Performance Metrics			
None. This program was transferred to USJFCOM, as directed by the Vice Chairman, in FY11.			

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APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0303149J: <i>Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW)</i>				PROJECT P003: <i>Communications Operations Analysis and Integration</i>			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
P003: <i>Communications Operations Analysis and Integration</i>	1.481	1.375	-	-	-	-	-	-	-	0.000	2.856
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
<p>The Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW) vision evolved into the Department's Global Information Grid (GIG) as a means to achieve Information Superiority. The GIG is the globally interconnected, end-to-end set of information capabilities, associated processes, and personnel for collecting, processing, storing, disseminating and managing information on-demand to warfighters, policy makers, and support personnel. The GIG includes all owned and leased communications and computing systems and services, software (including applications), data, security services, and other associated services necessary to achieve Information Superiority. It also includes National Security Systems as defined in section 5142 of the Clinger-Cohen Act of 1996. The GIG supports all DOD, National Security, and related Intelligence Community missions and functions (strategic, operational, tactical and business), in war and in peace. The GIG also provides capabilities from all operating locations (bases, posts, camps, stations, facilities, mobile platforms, and deployed sites). Finally, the GIG provides interfaces to coalition, allied, and non-DOD users and systems.</p>											
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2010	FY 2011	FY 2012	
Title: Communications Operations Analysis & Integration								1.481	1.375	-	
Description: Future operations rely on seamless and fully integrated Satellite Communications and terrestrial Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) systems and networks - all capable of supporting network centric operations. The use of creative analytical methodologies, C4ISR assessment tools, modeling and simulation, functional analysis, architecture development and assessment tools, and other analytical techniques, as appropriate, will help the development of insights and solutions to further evolve to a fully connected, integrated, and interoperable force.											
FY 2010 Accomplishments: Supported the GIG 2.0 Implementation Plan. Developed the GIG 2.0 DST. Built an Interoperability and Supportability (I&S) Process Model and a GIG 2.0 Governance Process Model. Completed the Net Centric Data Strategy Guide. Assisted in the re-write of the CJCSI 6212 and the Net Ready KPP. Developed the modification of the Net Centric Capability Delivery Increments (CDI) document.											
FY 2011 Plans:											

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2010	FY 2011
Produce a process model for the JS J6 business processes. Support the implementation of the Interoperability and Supportability (I&S) processes. Support the Cyber Division in the execution of the DOD cyber missions. Continue support to the GIG 2.0 processes in the oversight and governance of the GIG. <i>FY 2012 Plans:</i> The Joint Staff's FY 2012 Command, Control, Communications, Computers, and Intelligence for the Warrior program is dis-established, as a Department efficiency offset.			
Accomplishments/Planned Programs Subtotals		1.481	1.375
C. Other Program Funding Summary (\$ in Millions) N/A			
D. Acquisition Strategy N/A			
E. Performance Metrics Produce written summaries of key Frequency Panel sub-group meetings and preparatory meetings for annual COCOM spectrum management conferences.			