

THE JOINT STAFF
Fiscal Year (FY) 2008/2009 Budget Estimates
Research, Development, Test and Evaluation (RDT&E), Defense-Wide

Exhibit R-2, RDT&E Budget Item Justification		February 2007
Appropriation/Budget Activity: RDT&E, Defense-Wide, Joint Staff 0400/BA 7	R-1 Line Item Nomenclature: 194 0303149J C4I for the Warrior	

Cost(\$ IN Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total PE Cost	3.499	3.543	3.624	3.662	3.754	3.847	3.932	4.018
Communications Operations Analysis & Integration	1.995	1.896	1.943	1.979	2.026	2.074	2.120	2.166
Communication Requirements Development Support	0.195	0.294	0.329	0.331	0.339	0.347	0.355	0.362
Coalition Warrior Interoperability Demo	1.309	1.353	1.352	1.352	1.389	1.426	1.457	1.489

A. Mission Description and Budget Item Justification:

The C4IFTW vision has evolved into the Defense 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 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 managed by the Command, Control, Communications and Computer Systems Directorate (J-6).

The C4IFTW program element currently contains two sub elements: Coalition Warrior Interoperability Demonstration (CWID) and the Joint Satellite Communications Architecture Planning and Evaluation (J-SCAPE) toolset. Prior to FY 2004, the Network Warfare Simulation (NETWARS) program was funded within the C4IFTW program element. However, the NETWARS program and funding transferred to the Defense Information Systems Agency (DISA) during FY 2004.

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B. Program Change Summary:

	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
FY 2007 President's Budget	3.499	3.556	3.624	3.662
Total Adjustments	0.000	-0.013	0.000	0.000
FY 2008 President's Budget	3.499	3.543	3.624	3.662

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Exhibit R-2a, RDT&E Project Justification		February 2007
Appropriation/Budget Activity: RDT&E, Defense-Wide, Joint Staff 0400/BA 7	PE 0303149J Project Name: Communications Operations Analysis and Integration	

Cost(\$ IN Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Communications Operations Analysis & Integration	1.995	1.896	1.943	1.979	2.026	2.074	2.120	2.166

A. Mission Description and Budget Item Justification:

Future operations will rely on using seamless and fully integrated SATCOM and terrestrial 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. Solutions may include new C4ISR systems and networks, new technological integration into legacy systems, and integrated use of systems and networks to transform operations into a more fluid choice of capabilities across the spectrum of possible military actions and scenarios.

B. Accomplishments/Planned Program:

FY 2006 Accomplishments. Supported analytical methodologies, C4ISR assessment tools, modeling and simulation, functional analysis, architecture development and assessment tools, and other analytical techniques, as appropriate, and helped the development of insights and solutions to further evolve to a fully connected, integrated, and interoperable force.

FY 2007 Planned Program. Continue support to the 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 2008 Planned Program. Continue support to the 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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Exhibit R-2a, RDT&E Project Justification		February 2007
Appropriation/Budget Activity: RDT&E, Defense-Wide, Joint Staff 0400/BA 7	PE 0303149J Project Name: Communications Operations Analysis and Integration	

FY 2009 Planned Program. Continue support to the 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.

C. Other Program Funding Summary:

No other funding.

D. Acquisition Strategy:

N/A

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Exhibit R-3, Project Cost Analysis

February 2007

APPROPRIATION/BUDGET ACTIVITY				Program Element					Project Name and Number			
RDT&E, Defense-Wide, Joint Staff 0400/BA 7				0303149J					Communications Operations Analysis and Integration			
Cost Categories	Contract Method & Type	Performing Activity & Location	Total Pys Cost	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Support												
FFRDC Studies	CPFF	TBD	0	0	TBD	0	TBD	0	TBD	TBD	TBD	TBD
Contracted Studies	CPFF	TBD	0	0	TBD	0	TBD	0	TBD	TBD	TBD	TBD
Subtotal Support			1.995	1.896		1.943		1.979				
Remarks: N/A												
TOTAL COST												
			1.995	1.896		1.943		1.979				

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Exhibit R-2a, RDT&E Project Justification		February 2007
Appropriation/Budget Activity: RDT&E, Defense-Wide, Joint Staff 0400/BA 7	PE 0303149J Project Name: Coalition Warrior Interoperability Demo	

Cost(\$ IN Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Coalition Warrior Interoperability Demo	1.309	1.353	1.352	1.352	1.389	1.426	1.457	1.489

A. Mission Description and Budget Item Justification:

The CWID vision has evolved into the Department's Global Information Grid (GIG) as a means to achieve information superiority. CWID (formerly called JWID (Joint Warrior Interoperability Demonstration)) provides focus and visibility into resolving coalition C4 interoperability issues and provides organizing principles, techniques, and procedures for achieving information superiority as envisioned by Joint Vision (JV) 2020. The GIG stresses interoperability and CWID (Coalition Warrior Interoperability Demonstration) leverages the rapid pace of C4 technology advancements. CWID is the Chairman's annual event that enables the U.S. 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 authority's 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. Ideally, they will benchmark successes that can immediately support and enhance operations requiring multinational or interagency cooperation. The selection of trials is dependent upon the annual overarching objectives, the host Combatant Command's priorities; Commands/Services/Agencies (C/S/A) 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 for future joint and coalition warfighting. Interoperability and information superiority are key goals of the Chairman of the Joint Chiefs of Staff.

B. Accomplishments/Planned Program:

FY 2006 Accomplishments: CWID 2006 was hosted by EUCOM. Objectives were assigned, trials selected. In addition to EUCOM participation, NORTHCOM participated as they did in CWID 2005 with Canada in the Homeland Security and Homeland Defense arena.

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FY 2007 Planned Program: CWID provides focus and visibility into resolving C4 interoperability issues achieving information superiority and improving information sharing under Joint Vision 2020. CWID supports DOD vision, mission and goals, enabling the efficient and effective delivery of C4ISR capabilities to the warfighter by leveraging the rapid pace of technology advancements to address COCOM-identified capability gaps and objectives, while maximizing return on investment to the Enterprise.

FY 2008 Planned Program: CWID provides focus and visibility into resolving C4 interoperability issues achieving information superiority and improving information sharing under Joint Vision 2020. CWID supports DOD vision, mission and goals, enabling the efficient and effective delivery of C4ISR capabilities to the warfighter by leveraging the rapid pace of technology advancements to address COCOM-identified capability gaps and objectives, while maximizing return on investment to the Enterprise.

FY 2009 Planned Program: CWID provides focus and visibility into resolving C4 interoperability issues achieving information superiority and improving information sharing under Joint Vision 2020. CWID supports DOD vision, mission and goals, enabling the efficient and effective delivery of C4ISR capabilities to the warfighter by leveraging the rapid pace of technology advancements to address COCOM-identified capability gaps and objectives, while maximizing return on investment to the Enterprise.

C. Other Program Funding Summary:

	<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>	<u>TO Complete</u>	<u>TOTAL Cost</u>
Operation & Maint	0.672	0.756	0.755	0.755	0.773	0.791	0.808	0.826	0.000	6.137
Procurement	0.000	0.262	0.277	0.276	0.283	0.289	0.295	0.302	0.000	1.984

D. Acquisition Strategy:

N/A

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APPROPRIATION/BUDGET ACTIVITY				Program Element					Project Name and Number			
RDT&E, Defense-Wide, Joint Staff 0400/BA 7				0303149J					Coalition Warrior Interoperability Demo			
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PYS Cost	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Management Services												
Contract Engineering and Tech Support	FP	Various	1.3090	1.353	TBD	1.352	TBD	1.352	TBD	TBD	TBD	TBD
Subtotal Support			1.309	1.353		1.352		1.352				
Remarks: N/A												
TOTAL COST			1.309	1.353		1.352		1.352				