

## UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification						Date: February 2005		
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense-wide/ Budget Activity 4				R-1 ITEM NOMENCLATURE Coalition Warfare 0603923D8Z				
COST (\$ in Millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Total 0603923D Cost	5.704	5.749	5.777	5.787	5.947	5.849	5.965	6.102
Quick-Win II – Interoperable Tactical Communications	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Satellite Coalition Broadcast Environment	0.569	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Battlefield Combat Identification	0.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000
JTRS/Bowman Interoperability	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Coalition Shared Network Intelligence Environment/ACTD	0.120	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CATALYST II - Soothsayer Interoperability	0.334	0.000	0.000	0.000	0.000	0.000	0.000	0.000
US-UK Imagery	0.300	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COSINE Phase II Support	0.221	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DAU Cooperative Acquisition Program	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Joint Threat Warning System	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mark XIIA Mode 5 IFF	0.855	0.650	0.000	0.000	0.000	0.000	0.000	0.000
Subnet Relay	0.650	0.425	0.000	0.000	0.000	0.000	0.000	0.000
Coalition Blue Force Situational Awareness	0.375	0.375	0.000	0.000	0.000	0.000	0.000	0.000
Coalition Warfare Support	0.375	0.383	0.390	0.395	0.000	0.000	0.000	0.000
ROK/U.S. Exercise Simulation Interoperability	0.047	0.028	0.000	0.000	0.000	0.000	0.000	0.000
Littoral Metrification	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000
Navigation Warfare Electronic Support UAV Project	0.000	0.450	0.500	0.000	0.000	0.000	0.000	0.000

UNCLASSIFIED

R-1 Budget Line - Item No.80

Page 1 of 4

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification						Date: February 2005		
Commander Leadership and Intent Project	0.000	0.125	0.125	0.000	0.000	0.000	0.000	0.000
Coalition Fires Interoperability Project	0.000	0.600	0.400	0.000	0.000	0.000	0.000	0.000
Network Centric Mapping Database Project	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000
Multi-Level Thin Client Project	0.000	0.623	0.000	0.000	0.000	0.000	0.000	0.000
Coalition Logistics Decision Support Capability	0.000	0.050	0.350	0.400	0.000	0.000	0.000	0.000
Coalition Communication Interoperability Guide	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.000
Allied Wide Area Network RF Controller Project	0.000	0.527	0.360	0.000	0.000	0.000	0.000	0.000
Coalition Roadmap/ Requirements Harmonization	0.000	0.463	0.600	0.600	0.375	0.000	0.000	0.000
Coalition Workshops	0.000	0.050	0.100	0.200	0.100	0.000	0.000	0.000
Coalition Collaborative Logistics	0.000	0.000	0.625	0.400	0.000	0.000	0.000	0.000
Maritime Security	0.000	0.000	0.627	0.675	0.000	0.000	0.000	0.000
Combat Support Initiative	0.000	0.000	0.600	0.675	0.000	0.000	0.000	0.000
Combat Aircraft Technology Initiative	0.000	0.000	0.600	0.675	0.000	0.000	0.000	0.000

**Mission Description:** The Coalition Warfare (CW) initiative adds value to the Department's overall international cooperation strategy by providing resources for the U.S. portion of bilateral and multilateral development projects aimed at improving interoperability with allies and other likely coalition partners. Fighting the war on terrorism and coping with the new and emerging threat paradigms have highlighted coalition warfare issues on the radar screens of policy makers and senior leaders throughout the U.S. Government. Coalitions are the preferred means for addressing international crises, lending political legitimacy and providing resources that mitigate U.S. financial, materiel and personnel burdens (OPTEMPO). Interoperability gaps between and among coalition partners have compromised operational effectiveness and jeopardized force protection (e.g., fratricidal incidents). Cooperative efforts with likely coalition partners are needed to close interoperability gaps related to C4ISR, combat identification, logistics, weapon systems and training. Moreover, small

UNCLASSIFIED

R-1 Budget Line - Item No.80

Page 2 of 4

investments early in the R&D process yield large dividends (e.g., Joint Strike Fighter). The OSD CW initiative encourages PMs and PEOs to involve friendly countries as well as Allies in cooperative development projects to the extent permitted by security considerations (classified data and critical technology), when such partnering is advantageous to the U.S. Government and necessary in terms of regional threat scenarios.

The CW initiative leverages foreign and other U.S. investment in ongoing projects by adding coalition-related enhancements that would otherwise not be realized. For example, recent tragedies linked to fratricide or friendly fire in OEF and OIF have brought on-going efforts in combat identification (CID) programs to the highest level of CW support and interest. By providing the necessary financial support, CW internationalized the Coalition Combat Identification Advanced Concept Technology Demonstration (ACTD) and the Coalition Blue Force Situational Awareness ACTD (FY 2004-FY 2005 project). Both U.S. and foreign technologies and research may be applied to improve fielded coalition capabilities.

The CW approach to cooperative RDA projects is consistent with OSD-articulated, preferred methodologies: spiral development and evolutionary acquisition (i.e., getting solution-oriented, threshold-capabilities into the hands of the coalition warfighter quickly). Projects benefiting from CW funding fall into one of two categories: those for which the CW funds no more than 50% of the coalition-directed portion, with foreign contributions making up the difference; and those involving CW funding of coalition-oriented features of U.S.-only projects. Priority is given, in both categories, to initiatives offering potential solutions to interoperability issues that can be leveraged across multiple Combatant Commands.

The Combatant Commands, Services, Defense Agencies, and OSD nominate candidate projects. OSD selects projects based on their compatibility with established CW criteria: meeting the needs and requirements specified by the warfighter, funding commitments of international partners, potential for leveraging results across multiple Combatant Commands, addressing potential risks related to security and controlled technology, responsiveness to USD (AT&L) priorities for international armaments cooperation (e.g., metrification of littoral defense, joint and coalition experimentation and coalition logistics).

As the CW Program works on a yearly proposal and selection process, prospective new-start projects are being evaluated in anticipation of final selections in September 2005

<b>B. Program Change Summary:</b>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
Previous President's Budget Submit	5.906	5.886	5.657	5.675

UNCLASSIFIED

Current President's Budget Submission:	5.704	5.749	5.777	5.787
Adjustments to Appropriated Value	-0.202	-0.137	+0.120	+0.112
Congressional Reduction:	-0.113	-0.137		
Undistributed Recission				
Congressional Increase				
Reprogramming				
SBIR/STTR	-0.089			
Other			+0.120	+0.112
<b>C. Other Program Funding Summary</b>	N/A			
<b>D. Execution</b>	<p>For the execution year (CY), provide a list of funding recipients within the following categories:</p> <ul style="list-style-type: none"> <li>U.S. Pacific Command, Honolulu, HI</li> <li>U.S. Strategic Command, Offutt Air Force Base, NB</li> <li>U.S. Special Operations Command, Tampa, FL</li> <li>U.S. Army Communication and Electronics Command, Ft. Monmouth, NJ</li> <li>U.S. Army Forces Korea, Korea Battle Simulation Center, Ft Leavenworth, KS</li> <li>U.S. Joint Program Office, Joint Tactical Radio System, Arlington, VA</li> <li>U.S. Joint Program Office, Global Broadcast Service (GBS), Hanscom AFB, MA</li> <li>U.S. Navy Space and Naval Warfare Systems Center, San Diego, CA</li> <li>U.S. Navy Space and Naval Warfare Systems Center, Charleston, SC</li> <li>U.S. Naval Air Systems Command, Patuxent River, MD</li> <li>U.S. Naval Surface Warfare Center, Dahlgren, VA</li> <li>National Security Agency, National Tactical Integration Office (NTIO), Ft. Meade, MD</li> <li>NATO Consultation, Command and Control Agency (NC3A), Brussels, BE</li> </ul>			

UNCLASSIFIED