

OSD RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

Date: February 2007

APPROPRIATION/ BUDGET ACTIVITY RDT&E/ Defense Wide BA# 4		PE NUMBER AND TITLE 0603923D8Z - Coalition Warfare						
Cost (\$ in Millions)	FY 2006 Actual	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total Program Element (PE) Cost	5.524	5.845	14.047	14.053	14.269	14.602	14.858	15.117
P923 Coalition Warfare	5.524	5.845	14.047	14.053	14.269	14.602	14.858	15.117

A. Mission Description and Budget Item Justification: The Coalition Warfare (CW) initiative is the only OSD Program dedicated to initiate cooperative research and development projects with allies and coalition partners. The goal of the effort is to assist the Combatant Commands, Services, and Agencies with integrating coalition-enabling solutions into existing and planned US programs. This 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 and will be the standard 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). For example, 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, and have supported the development and testing of Mode 5 capabilities and standards.

Cooperative efforts with likely coalition partners are needed to close interoperability gaps include battlespace awareness, C4ISR, joint fires, intelligence fusion and data sharing, combat identification, logistics, weapon systems and information sharing capabilities. Moreover, these small investments early in the R&D process yield large dividends (e.g., Joint Strike Fighter). The CW initiative leverages foreign and other U.S. investment in ongoing projects by adding coalition-related enhancements that would otherwise not be realized. The OSD CW initiative encourages PMs and PEOs to involve partner nations 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 approach to cooperative RDA projects is consistent with OSD-articulated, preferred methodologies: agile 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 on a yearly cycle. These projects are funded for one to two years. OSD selects projects based on their compatibility with established CW criteria, including: meeting the needs and requirements specified by the warfighter, funding commitments of international partners, potential for portability across multiple Combatant Commands, addressing potential risks related to security and controlled technology, responsiveness to DoD priorities for international armaments cooperation (e.g., multinational information sharing, C4ISR, joint/coalition experimentation and coalition logistics).

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<u>B. Program Change Summary</u>	FY 2006	FY 2007	FY 2008	FY 2009
Previous President's Budget (FY 2007)	5.685	5.878	6.047	5.953
Current BES/President's Budget (FY 2008/2009)	5.524	5.845	14.047	14.053
Total Adjustments	-0.161	-0.033	8.000	8.100
Congressional Program Reductions		-0.033		
Congressional Rescissions				
Congressional Increases				
Reprogrammings				
SBIR/STTR Transfer				
Other	-0.161		8.000	8.100

<u>C. Other Program Funding Summary</u>	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Compl	Total Cost
Mode V IFF/ Mark XII	0.066	0.534	0.800	0.000	0.000	0.000	0.000	0.000	0.000	1.400
Navigational Warfare Electronic Support UAV (NAVWAR ES)	0.472	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.472
Leadership, Commander's Intent and Operational Readiness	0.125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.125
US-Korea Battle Simulation Model	0.316	0.316	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.632
Coalition Communications Interoperability Guide	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500
Allied Wide Area Network RF Controller	0.160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.160
CW Support	0.337	0.595	0.600	0.610	0.615	0.620	0.630	0.635	0.000	4.642
Small Boat Modeling and Validation	0.400	0.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.800
Coalition Airspace Management and Deconfliction	0.275	0.275	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.550
Over the Horizon Tactical Tracking System	0.240	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.240
GLIDE	0.209	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.709
Maritime Coalition Interoperability - Coalition DEP	0.695	0.695	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.390

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Global Coalition In-Transit Visibility Network	0.416	0.416	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.832
Maritime Information Exchange	0.250	0.230	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.480
Collaboration Portal	0.080	0.033	0.080	0.090	0.075	0.070	0.065	0.065	0.000	0.558
Collaborative Initiatives	0.183	0.240	0.645	0.755	0.765	0.810	0.875	0.900	0.000	5.173
Metrification of Littorals	0.056	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.056
Everything over IP	0.200	0.200	0.300	0.000	0.000	0.000	0.000	0.000	0.000	0.700
Preplanned Response and Emergency Action (PRACT)	0.235	0.235	0.365	0.000	0.000	0.000	0.000	0.000	0.000	0.835
Passive, Remote and Open Situation Awareness System (PROSAS)	0.220	0.230	0.450	0.000	0.000	0.000	0.000	0.000	0.000	0.900
Undersea FORCENet Coalition Interoperability	0.089	0.161	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.500
EUCOM J2 INMARSAT	0.000	0.300	0.300	0.000	0.000	0.000	0.000	0.000	0.000	0.600
Multinational C4 National Planning System	0.000	0.485	0.485	0.000	0.000	0.000	0.000	0.000	0.000	0.970
Miniature Chemical Warfare Detection Agent	0.000	0.000	0.250	0.250	0.000	0.000	0.000	0.000	0.000	0.500
New Start Programs	0.000	0.000	9.322	12.048	12.414	12.702	12.838	13.067	0.000	72.391
Multinational Outreach	0.000	0.000	0.200	0.300	0.400	0.400	0.450	0.450	0.000	2.200

Comment:

D. Acquisition Strategy New start projects are selected based on the DoD priorities (e.g. CONPLAN 7500, the QDR Roadmap for Building Partner Capacity, Combatand Commanders" Integrated Priority Lists (IPLs) and Joint Staff's Most Pressing Military Issues) that drive coalition capability requirements.

In FY07 as new starts will be projects to support NORTHCOM, SOUTHCOM, SOCOM, EUCOM and PACOM needs for U.S. combined with coalition partners. Focuses for new starts include Command, Control, Communications, Computer, Intelligence, Surveillance and Reconnaissance (C4ISR), information sharing, maritime security/maritime domain awareness, net-centric capabilities, emergency response, and combat identification.

E. Performance Metrics:

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FY	Strategic Goals Supported	Existing Baseline	Planned Performance Improvement / Requirement Goal	Actual Performance Improvement	Planned Performance Metric / Methods of Measurement	Actual Performance Metric / Methods of Measurement
07	Select projects for key coalition priorities	Priorities for coalition, BPC goals	Increased engagement with Combatant Commanders		100%	
06	Assess performance of tasks as defined.	As defined by project.			100%	100%
06	Delivery of final reports at end of project.	As defined by project.			100%	100%
06	Select projects for key coalition priorities	AT&L strategic goals, Joint Staff most pressing military issues	Engage to support BPC tasks		100%	100%

Comment:

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PROJECT
P923

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B. Accomplishments/Planned Program:

Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009
FY 2006 Accomplishments	0.000	0.000	0.000	0.000

FY05 projects have completed their work and performed demonstrations.

This includes a very successful demonstration with Norway of the integration of sensors to develop a maritime security capability. Other highlights include successful interoperability tests on coalition communication capabilities with both Pacific partner nations and European partners; subnet relay project leading to larger effort of NATO STANAG development; November 2006 trials of situational awareness tools in the SOUTHCOM AOR that is of interest by NORTHCOM, EUCOM and DHS; engagement of over 25 nations and NATO to commonly develop CONOPS and interoperability measures for in-transit visibility networks.

FY06 projects are mid-way through their performance cycles, and are working well against their individual project plans.

Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009
FY 2007 Plans	0.000	0.000	0.000	0.000

Completion of FY06-07 projects, and start of FY08 projects. In FY07 as new starts will be projects to support NORTHCOM, SOUTHCOM, SOCOM, EUCOM and PACOM needs for U.S. combined with coalition partners. Focuses for new starts include C4ISR, information sharing, maritime security/maritime domain awareness, net-centric capabilities, emergency response, and combat identification.

New start projects are selected during FY07 based on the DoD priorities (e.g. CONPLAN 7500, the QDR Roadmap for Building Partner Capacity, COCOM Integrated Priority Lists (IPLs) and Joint Staff's Most Pressing Military Issues) that drive coalition capability requirements.

Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009
FY 2008 Plans	0.000	0.000	9.322	0.000

Projects that are selected for FY07-08 projects starting their second year of effort. New start projects are selected during FY07 based on proposals that meet criteria based on the DoD priorities (e.g. CONPLAN 7500, the QDR Roadmap for Building Partner Capacity, COCOM Integrated Priority Lists (IPLs) and Joint Staff's Most Pressing Military Issues) that drive coalition capability requirements.

Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009
FY 2009 Plans	0.000	0.000	0.000	12.048

Projects that are selected for FY08-09 will be starting their second year of effort. New start projects are selected during FY09 based on proposals that meet criteria based on the DoD priorities (e.g. CONPLAN 7500, the QDR Roadmap for Building Partner Capacity, COCOM Integrated Priority Lists (IPLs) and Joint Staff's Most Pressing Military Issues) that drive coalition capability requirements.

Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009

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Navigational Warfare Electronic Support	0.472	0.000	0.000	0.000
Integration of advanced anti-jam (AJ) technologies on a small unmanned aerial vehicle (UAV) to support collection and geo-location capabilities against hostile GPS jammers.				
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009
Leadership, Commander's Intent and Operational Readiness	0.125	0.000	0.000	0.000
Synthesize research and establish current theoretical concepts and empirical data on network centric warfare, leadership, commanders' intent, and operational readiness within the context of coalition warfare.				
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009
Battle Simulation Models	0.316	0.316	0.000	0.000
Development of models and simulations for all services that are suitable for use in joint and combined exercises between Republic of Korea and U.S. forces.				
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009
Coalition Communications Interoperability Guide	0.500	0.000	0.000	0.000
The Pacific Endeavor (PE) workshop brings Asia-Pacific Region nations together, allowing them to integrate their communications and information systems, test interoperability, aid in the development of regional standards/common architectures and populate the Multinational Communications Interoperability Guide (MCIG). The communications interoperability guide will be used to establish architectures in support of the Multinational Force Standing Operating Procedures (MNF SOP).				
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009
Mode 5 Identification Friend or Foe	0.066	0.534	0.800	0.000
Develop standards and conduct interoperability trials of the Mode 5 IFF combat identification system. and integration trials of the Mode 5 IFF combat recognition system on joint US service platforms & European AWACS aircraft.				
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009
Allied Wide Area Network Radio Frequency Controller	0.160	0.000	0.000	0.000
Develop and demonstrate an integrated multi-band, multi-mode coalition networking capability using multiple line of sight (LOS) and extended line of sight (ELOS) radio circuits in conjunction with satellite communications (SATCOM).				
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009
Small Boat Modeling and Validation	0.400	0.400	0.000	0.000
Validate the small boat threat models used across multiple Combatant Commands and acquisition programs for US Department of Defense (DOD) and Department of Homeland Security (DHS) agencies.				

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Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009	
Coalition Airspace Management and Deconfliction	0.275	0.275	0.000	0.000	
Define and develop a software package to provide a machine-to-machine interface between the Joint AirSpace Management And Deconfliction (JASMAD) Advanced Technology Demonstration (ATD) program and airspace planning systems within the UK Air Command and Control System (ACCS) to create a network-centric interoperable suite of collaborative airspace management tools for a US/UK coalition.					
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009	
Over the Horizon Tactical Tracking System	0.240	0.000	0.000	0.000	
Develop a secure, navigation quality tracking system to improve in the acquisition of Targets of Interest (TOI) associated with both Law Enforcement Operations (LEO) and the interdiction of suspicious craft as part of the Global War on Terror (GWOT) is the primary goal of OTHHTS.					
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009	
Geolocation and Identification Enhancement	0.209	0.500	0.000	0.000	
Geolocation and Identification Enhancements (GLIDE) will improve coalition capabilities to perform target location and identification by developing methods and interfaces to share Specific Emitter Identification (SEI) algorithms and data between coalition partners.					
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009	
Maritime Coalition Interoperability - Coalition Distributed Engineering Plant	0.695	0.695	0.000	0.000	
Demonstrate existing standardization, rationalization and interoperability for combined operations and systems development. This will be accomplished by (1) establishing a compatible infrastructure connecting existing land-based Combat Systems sites employing hardware-in-the-loop combat systems with wide area networks, and (2) conducting distributed engineering and test exercises and events.					
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009	
Global Coalition In-Transit Visibility Network	0.416	0.416	0.000	0.000	
Development of an interoperable network of multinational, coalition in-transit visibility (ITV) systems enabled by various Automated Identification Technologies (A.I.T.) The project will connect nations' previously disparate and closed ITV systems to one another, and will exponentially increase the operational capability of each regional Combatant Commander to track assets for sustainment of the warfighter. Once created, the network can be utilized across the entire spectrum of conflict, from humanitarian assistance to high-intensity combat.					
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009	
Maritime Information Exchange	0.250	0.230	0.000	0.000	
Develop and integrate rule sets and certification for Secret and Below Interoperability (SABI) security guards to successfully share information between the US and Singapore as well as developing and integrating rule sets for an unclassified COP on the Asia-Pacific Area Network (APAN).					

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Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009
Collaborative Portals	0.080	0.033	0.080	0.090
Development of web-based collaborative portals to support bilateral and multilateral fora.				
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009
Collaborative Initiatives	0.183	0.240	0.645	0.755
Engagements with coalition partners to support USD(AT&L) priorities.				
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009
Metrification of Littorals	0.056	0.000	0.000	0.000
Establishment of a PC based Geo-location System (PCGS) and its required network connectivity for inclusion in the US-Norway demonstration on maritime security.				
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009
Everything over Internet Protocol	0.200	0.200	0.300	0.000
develop Coalition Communications Interoperability with the Defense Information Systems Network (DISN) services, for Deployed Warfighters, utilizing Everything over IP(EoIP) over Transponded Satellites technology.				
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009
Preplanned Response and Emergency Action (PRACT)	0.235	0.235	0.365	0.000
Increase regional stability in the US Southern Command's (SOUTHCOM) Area of Responsibility through the provisioning of a collaborative planning and coordinated response capability (technology and business practices) that enables accurate assessments, situational awareness, dynamic planning, and synchronized response to international disasters.				
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009
Passive, Remote and Open Situation Awareness System	0.220	0.230	0.450	0.000
Develop a network centric enterprise services architecture for effective use of netted multi-static RF sensors and UAV-based C4ISR systems; including signal processing and target geo-location techniques, remote joint fires, anti-terrorist force protection capability, and human systems integration using a coalition Operational scenario to ensure tactics, techniques and procedures evolve with technologies to enable decision superiority and deliver measurable effects on the battlefield.				
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009
Undersea FORCEnet Coalition Interoperability	0.089	0.161	0.250	0.000

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Special Operations and Naval Forces require an Undersea FORCEnet (Unet) architecture for command, control, communications (C3) and positioning of undersea distributed netted systems (UDNS), fixed and mobile, manned and unmanned, including gateways to submarines and space. Coalition assets and connectivity enhance capability, coverage and relevance of this Unet architecture.					
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009	
EUCOM J2 Project (CLASSIFIED)	0.000	0.300	0.300	0.000	
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009	
CW Support Support to OUSD(AT&L)/IC for Coalition Warfare	0.337	0.595	0.600	0.610	
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009	
Multinational C4 National Planning System Develop the Multinational Command, Control, Communications, and Computers (C4) Network Planning System (MCNPS) to provide a tool to develop, assess, and document network architectures for use by coalition task forces (CTF's).	0.000	0.485	0.485	0.000	
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009	
Miniature Chemical Warfare Detection Agent Develop a miniature automated chemical agent detector based on the current M256A1 chemistry. The new detector will provide additional enhancements such as automation, miniaturization, increased user friendliness, decreased detector response time, ability to communicate agent detection to user via audible, visual and/or physical (vibration) method, and the ability to be reused following decontamination. This detector could be used remotely and in limited or no light missions and would greatly improve the protective posture of both the main force and special operation forces.	0.000	0.000	0.250	0.250	
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009	
Multinational Outreach Engage with Combatant Commanders and coalition partners on development and execution of coalition warfare projects.	0.000	0.000	0.200	0.300	
C. Other Program Funding Summary: Not Applicable.					
D. Acquisition Strategy: Not Applicable.					

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P923**E. Major Performers**

Category	Name	Location	Type of Work and Description	Award Date
<u>Labs</u>				
	JFCOM	Newport News, VA	GITV Project development of an interoperable network of multinational, coalition in-transit visibility (ITV) systems enabled by various Automated Identification Technologies (A.I.T.) The project will connect nations' previously disparate and closed ITV systems to one another, and will exponentially increase the operational capability of each regional Combatant Commander to track assets for sustainment of the warfighter.	15 SEP 2005
	EUCOM	Stuttgart, Germany	INMARSATCOM (CLASSIFIED) and Multinational C4 National Planning System - Develop the Multinational Command, Control, Communications, and Computers (C4) Network Planning System (MCNPS) to provide a tool to develop, assess, and document network architectures for use by coalition task forces (CTF's).	15 SEP 2006
	SPAWARSYSCOM	San Diego	Geolocation and Identification Enhancements (GLIDE) will improve coalition capabilities to perform target location and identification by developing methods and interfaces to share Specific Emitter Identification (SEI) algorithms and data between coalition partners.	15 SEP 2005
	PACOM	Honolulu, HI	Develop and integrate rule sets and certification for Secret and Below Interoperability (SABI) security guards to successfully share information between the US and Singapore as well as developing and integrating rule sets for an unclassified COP on the Asia-Pacific Area Network (APAN).	15 SEP 2006
	NSWCD	Dahlgren, VA	Demonstrate existing standardization, rationalization and interoperability for combined operations and systems development. This will be accomplished by (1) establishing a compatible infrastructure connecting existing land-based Combat Systems sites employing hardware-in-the-loop combat systems with wide area networks, and (2) conducting distributed engineering and test exercises and events.	15 SEP 2005
	ESC Hanscom	Hanscom AFB, MA	CASMAD, Define and develop a software package to provide a machine-to-machine interface between the Joint AirSpace Management And Deconfliction (JASMAD) Advanced Technology Demonstration	15 SEP 2005

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			(ATD) Mode 5 IFF, Develop standards and conduct interoperability trials of the Mode 5 IFF combat identification system. and integration trials of the Mode 5 IFF combat recognition system on joint US service platforms & European AWACS aircraft.	
	PEO STRI	Orlando, FL	Development of models and simulations for all services that are suitable for use in joint and combined exercises between Republic of Korea and U.S. forces.	15 SEP 2005
	Army Corps of Engineers	Washington, DC	Increase regional stability in the US Southern Command's (SOUTHCOM) Area of Responsibility through the provisioning of a collaborative planning and coordinated response capability (technology and business practices) that enables accurate assessments, situational awareness, dynamic planning, and synchronized response to international disasters.	15 SEP 2006
	Defense Information Security Agency	Falls Church, VA	Develop Coalition Communications Interoperability with the Defense Information Systems Network (DISN) services, for Deployed Warfighters, utilizing Everything over IP(EoIP) over Transponded Satellites technology.	15 SEP 2006
	NSWCD	Dahlgren, VA	Develop a network centric enterprise services architecture for effective use of netted multi-static RF sensors and UAV-based C4ISR systems; including signal processing and target geo-location techniques, remote joint fires, anti-terrorist force protection capability, and human systems integration using a coalition Operational scenario to ensure tactics, techniques and procedures evolve with technologies to enable decision superiority and deliver measurable effects on the battlefield.	15 SEP 2006
	DTIC	Ft. Belvoir, VA	Development of web-based collaborative portals to support bilateral and multilateral fora.	01 AUG 2006
<u>Universities</u>				
	Naval Postgraduate School	Monterey, CA	Special Operations and Naval Forces require an Undersea FORCENet (Unet) architecture for command, control, communications (C3) and positioning of undersea distributed netted systems (UDNS), fixed and mobile, manned and unmanned, including gateways to submarines and space. Coalition assets and connectivity enhance capability, coverage and relevance of this Unet architecture.	15 SEP 2006
<u>FFRDCs</u>				

OSD RDT&E PROJECT JUSTIFICATION (R2a Exhibit)

Date: February 2007

APPROPRIATION/ BUDGET ACTIVITY		PE NUMBER AND TITLE		PROJECT
RDT&E/ Defense Wide BA# 4		0603923D8Z - Coalition Warfare		P923
IDA	Alexandria, VA	Engagements with Combatant Commanders and coalition partners on development and execution of coalition warfare projects. to support USD(AT&L) priorities.	30 JUN 2006	
<u>Contractors</u>				
Dreamhammer	Santa Monica, CA	Support to OUSD(AT&L)/IC for Coalition Warfare.	28 FEB 2006	

UNCLASSIFIED

OSD RDT&E COST ANALYSIS (R3)										Date: February 2007		
APPROPRIATION/ BUDGET ACTIVITY RDT&E/ Defense Wide BA# 4			PE NUMBER AND TITLE 0603923D8Z - Coalition Warfare							PROJECT P923		
I. Product Development	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
Development			3502	3380	1-4Q	8776	1-4Q	8633	1-4Q	0	24291	0
Demonstration and Validation			1502	1597	3-4Q	3761	3-4Q	3700	3-4Q	0	10560	0
Subtotal:			5004	4977		12537		12333		0	34851	0
II. Support Costs	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
CW Analysis and Project Evaluation			1040	868	1-3Q	1510	1-3Q	1720	1-3Q	7825	12963	0
Subtotal:			1040	868		1510		1720		7825	12963	0
III. Test And Evaluation	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
Subtotal:			0									
IV. Management Services	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
Subtotal:			0									

OSD RDT&E COST ANALYSIS (R3)

Date: February 2007

APPROPRIATION/ BUDGET ACTIVITY RDT&E/ Defense Wide BA# 4	PE NUMBER AND TITLE 0603923D8Z - Coalition Warfare						PROJECT P923			
Project Total Cost:	6044	5845		14047		14053		7825	47814	0

Schedule Detail (R4a Exhibit)							Date: February 2007	
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APPROPRIATION/ BUDGET ACTIVITY RDT&E/ Defense Wide BA# 4	PE NUMBER AND TITLE 0603923D8Z - Coalition Warfare	PROJECT P923
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<u>Schedule Detail</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>
Project Selection	1-3Q							
Project Execution	1-4Q							
Demonstration	3-4Q							

Comment: