

Exhibit R-2, RDT&E Budget Item Justification				Date: May 2009				
Appropriation/Budget Activity RDT&E, Defense Wide (0400), Budget Activity 7				R-1 Item Nomenclature: 0305186D8Z/Policy R&D Programs				
Cost (\$ in millions)	FY 2008	FY 2009	FY 2010					
Total PE Cost	13.590	8.192	6.948					
Policy R&D 186	13.590	8.192	6.948					

**A. Mission Description and Budget Item Justification:** Continues development of tools to overcome military security issues. Since the global environment is dynamic, research is necessary to continue understanding military structures, foreign cultures, and ethnic issues. Examines demographic data, investigates information awareness concerning catastrophic events, and develops links to information and data warehouses. Continues Congressionally directed technology transfer program to consolidate and coordinate various military endeavors that pass dual-use technology equipment and information to first responders. Blends several disciplines including surveillance, operations, policy, information, training and technology. Continues the development through FY2009 of the Adaptive Planning Scenarios with a set of software and hardware tools that will replace the current war/contingency planning system (i.e. methodology and software) with one that produces war/contingency plans more rapidly. This is a joint effort with the Joint Chiefs of Staff.

**B. Program Change Summary:**

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Previous Budget Estimates Submission	10.560	8.237	5.089
Current Budget Estimates Submission	13.590	8.192	6.948
Total Adjustments			
Congressional program reductions			
Congressional rescissions			
Congressional increases			
SIBR/STTR Transfer			
Other	3.030	-0.045	1.859

**C. Other Program Funding Summary:** See R-2a  
**D. Acquisition Strategy:** See R-2a  
**E. Performance Metrics:** See R-2a

<b>Exhibit R-2a, RDT&amp;E Project Justification</b>	Date: May 2009
--	----------------

Appropriation/Budget Activity RDT&E BA 7				R-1 Item Nomenclature: Policy R&D Programs, 03050186D8Z				
Cost (\$ in millions)	FY 2008	FY 2009	FY 2010					
Policy R&D 186	13.590	8.192	9.911					

**A. Mission Description and Budget Item Justification:** Continues the development of tools to overcome military security issues. Since the global environment is dynamic, research is necessary to continue understanding military structures, foreign cultures, and ethnic issues. Examines demographic data, investigates information awareness concerning catastrophic events, and develops links to information and data warehouses. Continues to build partnership capabilities through analytical projects that counter organizational warfare and develops infrastructure and sanctuary denial options. Blends several disciplines including surveillance, operations, policy, information, training and technology.

**B. Program Change Summary**

	FY 2008	FY 2009	FY 2010	
Accomplishment/Subtotal Cost				
Policy R&D Programs	2.700	3.000	3.164	

Identifies international technologies and provides program management oversight and technical support for projects cooperating with international partners. Anticipates exploitation of technology, including available and advanced capabilities, and works through the international commercial sector and academia concerning adversary’s application of technology. Explores processes and policy to integrate international capabilities across the spectrum of international security issues.

FY 2008: The program:

- Developed software tools in conjunction with the US Pacific Combatant Command to understand nation turmoil.
- Adapts the culture and political environment within the Asia/Pacific area to various scenarios.

FY 2009: The program will:

- Expand the development of software tools into a broader focus within Asia/Pacific and South/Central America.
- Fund researchers who will begin to integrate process tools within the military and promote homeland defense initiatives.
- Further develop ongoing research efforts within the Services to better analyze, modify, design, and demonstrate enduring counterinsurgency technical and operational capabilities.

<b>Exhibit R-2a, RDT&amp;E Project Justification</b>	Date: May 2009
--	----------------

FY 2010: The program will:

- Research process tools to integrate the military in non-combative situations globally.
- Promote homeland defense initiatives with dual application worldwide in US military operations.
- Further develop ongoing research efforts within the Services and Combatant Commands to better analyze, modify, design, and demonstrate enduring counterinsurgency technical and operational capabilities.
- Develops initiatives that include broad linguistic capabilities and cultural understanding in ungoverned areas, develops international policy in lawless regions as they pertain to military operations and researches alternatives to Combatant Commands that prevent the expansion of terrorist cells into ungoverned areas.

	FY 2008	FY 2009	FY 2010	
Accomplishment/Subtotal Cost Defense Planning Scenarios	2.190	2.192	0.000	

Illustrates and depicts challenges in a US/Allied strategic area for future operations. DPS pushes DoD toward transformation through strategic concepts and in cooperation with Joint Staff. Other participants are Military Services, Combatant Commanders, and the Defense Agencies. Guidance and approval are provided by the Deputy’s Advisory Working Group (DAWG). Scenarios are applied to force planning, joint concept development activities; combat development, and joint/interagency war games. Information from DPS analysis sets key analytic parameters, models, assumptions and variations in key factors, threat descriptions by the intelligence community; Blue and Red force characteristics, and outlines of concepts of operations.

FY 2008: The program:

- Develops scenario options that involve various problem areas and objectives. Provides a forum to integrate various processes, techniques, and capabilities in a senior interagency group
- Develops strategic concepts in irregular warfare scenarios that include homeland defense capabilities and resources.

FY 2009: The program will:

- Continues to develop alternative scenario options on a global scale that involve problem areas and objectives. Provides a forum to integrate various processes, techniques, and capabilities in a senior interagency group
- Continues to develop strategic concepts in combat and irregular warfare scenarios that include homeland defense capabilities and resources.

FY 2010: The program will: No funding available.

UNCLASSIFIED

<b>Exhibit R-2a, RDT&amp;E Project Justification</b>	Date: May 2009
--	----------------

	FY 2008	FY 2009	FY 2010	
Accomplishment/Subtotal Cost Long Term Competition	0.000	0.000	3.784	

This request is for support to the Long Term Competitions (LTC) program is an analytical effort chartered to provide the DoD senior leadership with an understanding of key long-term developments and dynamics in specific areas of the global security environment, and to develop competitive strategies for their consideration as the Department seeks to address these long term challenges. The LTC Program will provide rigorously analyzed competitive strategy recommendations to these senior DoD leaders, and will require the support of organizations and experts outside of government to deliver the highest quality analysis, concepts and recommendations. Funding for the LTC program will be used to: bring outside experts into Task Force working groups and strategy review teams; support wargaming and workshops; conduct analytical studies of key developments and dynamics, and their impact on the future security environment and U.S. military capabilities in that environment; and explore new approaches to addressing key analytical requirements.

FY 2008: No funding available.

FY 2009: No funding available.

FY 2010: Specific efforts are classified.

	FY 2008	FY 2009	FY 2010	
Accomplishment/Subtotal Cost Pacific Disaster Center	6.000	0.000	0.000	

The Pacific Disaster Center (PDC) leveraged its achievements in agile Information and Communication Technologies (ICT) and enterprise data management practices with its established network of disaster managers—resulting in an effective response to natural disasters such as the Great Sumatra Earthquake and Indian Ocean tsunami. Increased the recognition of ICT at national and regional levels around the globe. These events also showcased the specialized applications developed—and their proven civilian-military applications—in developing both “situational awareness” and for communicating in crisis and post-crisis situations.

**Exhibit R-2a, RDT&E Project Justification**

Date: May 2009

FY 2008: The program:

- Continued the Edge Institute at the Navy Post Graduate School (NPS) and selected research efforts at other universities.
- Continued, in collaboration with allies and NATO partners, the development and testing of metrics and a conceptual framework suitable for assessing network-centric coalition operations.
- Supported JFCOM and other DoD organizations in the design and conduct of exercises
- Continued to work with the DoD community and international partners to improve the understanding of Information Age command and control related concepts, technologies, and experiments.
- Conducted 12th International Command and Control Research and Technology Symposia.
- Conducted workshops to explore command and control related issues.
- Continued to develop manuscripts for widely read and respected C2 publications and outreach program.
- Continued campaign of experimentation related to information sharing, collaboration, and trust.

FY2009: The program will: No funding available.

FY 2010: The program will: No funding available.

**UNCLASSIFIED**

**THIS PAGE INTENTIONALLY LEFT BLANK**

**UNCLASSIFIED**