

Exhibit R-2, RDT&E Budget Item Justification

Date: February 2008

Appropriation/Budget Activity
RDT&E, Dw BA 07

R-1 Item Nomenclature:
Policy R&D Programs, PE 0305186D8Z

Cost (\$ in millions)	FY 2007*	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total PE Cost	0.000	10.560	8.210	5.089	5.176	5.258	5.338
Policy R&D Programs, P186	0.000	10.560	8.210	5.089	5.176	5.258	5.338

* Funding under PE 0603942D8Z and PE 0603832D8Z

A. Mission Description and Budget Item Justification:

Continues Congressionally directed technology transfer program to consolidate and coordinate various military endeavors that pass technology and equipment to the private sector.

Continues the development of military tools to overcome global 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 analytical projects that counter organizational warfare and develops infrastructure and sanctuary denial options. Blends several disciplines including surveillance, operations, policy, information, training and technology.

Defense Planning Scenarios (DPS) are used for force planning, joint studies, concept development activities; combat development, test and evaluation, and joint/interagency war games. Information derived from DPS analysis settings of 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.

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 unprecedented natural disasters and the execution of wide spectrum of projects.

Exhibit R-2, RDT&E Budget Item Justification

Date: February 2008

Appropriation/Budget Activity
RDT&E, Dw BA 07

R-1 Item Nomenclature:
Policy R&D Programs, PE 0305186D8Z

B. Program Change Summary: FY08 Congressional increase is continuing Pacific Disaster Center previously added in PE 0605170D8Z. Reprogrammings include \$3.3M consolidation of Defense Planning Scenario funding from year of execution funds and a \$37K reduction for inflation. Consolidates technology transfer funds from PE 0603942D8Z in each fiscal year. Justification includes better clarification to DoD leadership and Congress.

	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
Previous President's Budget	0.000	4.627	4.947
Current Program and Budget Review	0.000	10.560	8.210
Total Adjustments		5.933	3.481
Congressional Reductions		-0.067	0
Congressional Increases		6.000	0
Other Adjustments		0	3.263

Change Summary Explanation:

FY 2007: N/A

FY 2008: Contractor Efficiencies -\$0.017 million; Economic Assumptions -\$0.053 million;

FY 2009: Program adjustments of \$3.263 million due to inflation.

Exhibit R-2a, RDT&E Project Justification						Date: February 2008	
Appropriation/Budget Activity RDT&E, Dw BA 07			R-1 Item Nomenclature: Policy R&D Programs, PE 0305186D8Z				
Cost (\$ in millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Policy R&D Programs, P186	0.000	10.560	8.210	5.089	5.176	5.258	5.338
RDT&E Articles Quantity	0	0	0	0	0	0	0
* Funding under PE 0603942D8Z and PE 0603832D8Z							
A. Mission Description and Budget Item Justification:							
Continues Congressionally directed technology transfer program to consolidate and coordinate various military endeavors that pass technology and equipment to the private sector.							
Continues the development of military tools to overcome global 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 analytical projects that counter organizational warfare and develops infrastructure and sanctuary denial options. Blends several disciplines including surveillance, operations, policy, information, training and technology.							
Defense Planning Scenarios (DPS) are used for force planning, joint studies, concept development activities; combat development, test and evaluation, and joint/interagency war games. Information derived from DPS analysis settings of 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.							
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 unprecedented natural disasters and the execution of wide spectrum of projects.							

Exhibit R-2a, RDT&E Project Justification

Date: February 2008

Appropriation/Budget Activity
RDT&E, Dw BA 07

R-1 Item Nomenclature:
Policy R&D Programs, PE 0305186D8Z

B. Accomplishments/Planned Program

	FY 2007	FY 2008	FY 2009
Accomplishment/Effort/Subtotal Cost	0.000	1.700	1.800
RDT&E Articles Quantity	0	0	0

* \$1.1M in PE 0603942D8Z

In conjunction with outreach program, ensures a successful and balanced transfer of equipment and technology without impeding military readiness. Manages what first responders receive, achieves a balance between first responders and military equipment, and transfers technology through a transitional effort that has dual utility to enhance military readiness. Meets the Congressional intent of the FY 2003 National Defense Authorization Act, Section 1401.

FY2007: The program will:

- Prepares the transition of technology transfer programs toward a consolidated environment.

FY 2008: The program will:

- Conduct the technology transfer program in a consolidated environment.
- Develop draft metrics for use in measuring program success.
- Initiate a consortium of subject matter expertise from across the Department and select, Inter-agency organizations.
- Expand program outreach programs to include greater emphasis on defense activities and national labs.

FY 2009: The program will:

- Continue conducting the technology transfer program in a consolidated environment.
- Finalize metrics for continued use in program success.
- Use a consortium of subject matter experts to prioritize technology transfer requirements.
- Continue program outreach programs, identifying potential opportunities for expansion

Exhibit R-2a, RDT&E Project Justification

Date: February 2008

Appropriation/Budget Activity
RDT&E, Dw BA 07

R-1 Item Nomenclature:
Policy R&D Programs, PE 0305186D8Z

B. Accomplishments/Planned Program

	FY 2007	FY 2008	FY 2009
Accomplishment/Effort/Subtotal Cost	0.000	2.150	3.847
RDT&E Articles Quantity	0	0	0

Identifies international technologies and provide 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 2007: The program will: Work developed in other program elements.

FY2008: The program will:

- Develops software tools in conjunction with the US Pacific Combatant Command to more fully understand nation turmoil. Adapts the culture and political environment within the Asia/Pacific area to various scenarios.
- Examines information and training technologies to explore better surveillance efforts and operational policy, particularly in coordination with Combatant Commanders.

FY 2009: The program will:

- Expands the development of software tools into a broader focus within the Asia/Pacific area.
- Examines information and training technologies to explore better surveillance efforts and operational policy, particularly in coordination with Combatant Commanders.
- Funds researchers who will integrate process tools within the military and to promote homeland defense initiatives.
- Further develops ongoing irregular warfare research efforts within the Services to better analyze, modify, design, and demonstrate enduring counterinsurgency technical and operational capabilities.

Exhibit R-2a, RDT&E Project Justification

Date: February 2008

Appropriation/Budget Activity RDT&E, Dw BA 07	R-1 Item Nomenclature: Policy R&D Programs, PE 0305186D8Z
--	--

B. Accomplishments/Planned Program

	FY 2007	FY 2008	FY 2009
Accomplishment/Effort/Subtotal Cost	0.000	2.150	3.847
RDT&E Articles Quantity	0	0	0

*5M in PE 0603832D8Z

Defense Planning Scenario (DPS) illustrates and depict a challenge and a US/allied strategic approach for engaging in future operations. DPSs are used to push the Department toward transformation through their strategic concepts and are developed in cooperation with the Joint Staff. Other key participants are the Military Services, the Combatant Commanders, and the Defense Agencies. Guidance and approval are provided by the Deputy's Advisory Working Group (DAWG).

These scenarios are used for force planning, joint studies, concept development activities; combat development, test and evaluation, and joint/interagency war games. Information derived from DPS analysis settings of 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. The DAWG approved eleven DPSs since January 2008.

FY 2007: The program will:

- Develops problem descriptions for individual scenarios, assumptions and variations of key parameters, threat descriptions from the intelligence community, and strategic concepts at the military level.
- Replaces older scenarios that have aged out according to existing policy on scenario lifespans, with new, superior scenarios.

FY2008: The program will:

- Continues the development of a Marketplace of Ideas by which a much broader community of thinkers and contributors can frame the challenges posed by the scenarios and create transformational solutions to them.

FY 2009: The program will:

- Continues the development of a Marketplace of Ideas by which a much broader community of thinkers and contributors can frame the challenges posed by the scenarios and create transformational solutions to them.
- Conducts seminars, and other activities toward these goals.
- Develops problem descriptions for individual scenarios, assumptions and variations of key parameters, threat descriptions from the intelligence community, and strategic concepts at the military level.

Exhibit R-2a, RDT&E Project Justification

Date: February 2008

Appropriation/Budget Activity
RDT&E, Dw BA 07

R-1 Item Nomenclature:
Policy R&D Programs, PE 0305186D8Z

- Replaces older scenarios that have aged out according to existing policy on scenario lifespans, with new, superior scenarios. Replaces older scenarios that have aged out according to existing policy on scenario lifespans, with new, superior scenarios.

	FY 2007	FY 2008	FY 2009
Accomplishment/Effort/Subtotal Cost	0.000	6.000	0
RDT&E Articles Quantity	0	0	0

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 unprecedented natural disasters and the execution of wide spectrum of projects. The devastation caused by the Great Sumatra Earthquake and Indian Ocean tsunami and Hurricane Katrina increased the recognition of the ever-increasing value of ICT at national and regional levels around the globe. These events also showcased the specialized applications developed by the PDC—and their proven civilian-military applications—in developing both “situational awareness” and for communicating in crisis and post-crisis situations.

FY 2007: The program will: Funding previously in PE 0605170D8Z.

FY2008: The program will: This is a Congressional add for the Pacific Disaster Center

- Continue to pursue research on new approaches to military and civil-military command and control suitable for 21st Century coalition operations including stability and reconstruction.
- Continue to fund the Edge Institute at the Navy Post Graduate School (NPS) and selected research efforts at other universities.
- Continue, in collaboration with allies and NATO partners, the development and testing of metrics and a conceptual framework suitable for assessing network-centric coalition operations.
- Support JFCOM and other DoD organizations in the design and conduct of exercises

Exhibit R-2a, RDT&E Project Justification

Date: February 2008

Appropriation/Budget Activity
RDT&E, Dw BA 07R-1 Item Nomenclature:
Policy R&D Programs, PE 0305186D8Z

- Continue to work with the DoD community and international partners to improve the understanding of Information Age command and control related concepts, technologies, and experiments.
- Conduct 12th International Command and Control Research and Technology Symposia.
- Conduct workshops to explore command and control related issues.
- Continue to develop manuscripts for widely read and respected C2 publications and outreach program.
- Maintain and expand C2 research community website
- Continue campaign of experimentation related to information sharing, collaboration, and trust.

FY 2009: The program will: No funding available.

C. Other Program Funding Summary: None

D. Acquisition Strategy: Not applicable

E. Major Performers: Not applicable