Exhibit R-2, RDT&E Project Justification							DATE: February 2005
APPROPRIATION0/BUDGET ACTIVITY: RDT&E/Defense-Wide/BA 3					R-1 ITEM NOMENCLATURE: Defense Technology Link (TechLink) 0603942D8Z		

COST *(In Millions)*	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Total Program Element (PE) Cost	3.430	7.985	3.435	3.433	3.570	3.498	3.643	3.698
Technology Link, Project **PXXX** (TBD)	3.430	7.985	2.248	2.246	2.383	2.311	2.356	2.411
Homeland Defense First Responders Technology Transfer, Project **PXXX** (TBD)	0.000	0.000	1.187	1.187	1.187	1.187	1.287	1.287

A. Mission Description and Budget Item Justification

Defense TechLink is a critical element in the Department's technology transfer, transition, and acquisition activities. Its three-fold mission is (1) integration of advanced commercial-sector technologies into DoD systems, particularly from nontraditional defense contractors; (2) spin-off of DoD-developed technologies to the commercial sector to make these technologies more affordable for military acquisition; and (3) establishment of collaborative R&D projects with the private sector for cost-sharing of new dual-use technology development. Congress provided plus-ups for four years and the FY2003 Senate Appropriations Committee report states, "The Committee continues its support for the Defense TechLink program and strongly encourages the Department of Defense to include funding for this program in its fiscal year 2004 budget submission. Defense TechLink has been highly successful at helping the Department transfer its technologies to U.S. companies, making these technologies available for both military and commercial applications. The Department is urged to make the Defense TechLink program a permanent part of its technology transfer, transition and acquisition activities."

TechLink is highly cost-effective and has provided a return on the investment to DoD of 4:1 on funds expended to date. This efficiently run organization currently accounts for 25 percent of all DoD patent license agreements (PLAs) and has brokered over 150 Cooperative Research and Development Agreements (CRADAs) and other R&D partnerships involving innovative companies new to DoD. The Congressional Record for November 18, 2003, page S15056, has a statement from Senator Burns (R-MT) commending TechLink for its outstanding achievements.

The Homeland Defense First Responder Technology Transfer Project will enhance efficiency and continue cost effectiveness by leveraging off existing TechLink efforts to manage equipment and technology transfers to civilian communities and eliminate duplication of effort between Department of Defense parties involved in technology and equipment transfers to first responders.

B. Program Change Summary

PE: 0603942D8Z	**FY 2004**	**FY 2005**	**FY 2006**	**FY 2007**
Previous President's Budget	3.547	1.934	2.248	2.246
Current FY 06 President's Budget	3.430	7.985	3.435	3.433
Total Adjustments:	-0.117	+6.051	+1.187	+1.187
Congressional Program Reductions				
Congressional rescissions				
Congressional increases		+6.150		
Reprogrammings				
SBIR/SSTR Transfer				
Other	-0.117	-0.099	+1.187	+1.187

C. Other Program Funding Summary: N/A
D. Acquisition Strategy: N/A
E. Performance Metrics:

For FY 2005, establish patent license agreements (PLAs) totalling 25% of all DOD PLAs and assist in the brokering of over 30 Cooperative Research and Development Agreements (CRADAs)
For FY 2006, establish patent license agreements (PLAs) totalling 28% of all DOD PLAs and assist in the brokering of over 30 Cooperative Research and Development Agreements (CRADAs)
For FY 2007, establish patent license agreements (PLAs) totalling 31% of all DOD PLAs and assist in the brokering of over 30 Cooperative Research and Development Agreements (CRADAs)
For FY 2008, establish patent license agreements (PLAs) totalling 34% of all DOD PLAs and assist in the brokering of over 30 Cooperative Research and Development Agreements (CRADAs)
For FY 2009, establish patent license agreements (PLAs) totalling 37% of all DOD PLAs and assist in the brokering of over 30 Cooperative Research and Development Agreements (CRADAs)
For FY 2010, establish patent license agreements (PLAs) totalling 40% of all DOD PLAs and assist in the brokering of over 30 Cooperative Research and Development Agreements (CRADAs)
For FY 2011, establish patent license agreements (PLAs) totalling 40% of all DOD PLAs and assist in the brokering of over 30 Cooperative Research and Development Agreements (CRADAs)

Exhibit R-2a, RDT&E Project Justification							DATE: February 2005	
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A. Mission Description and Budget Item Justification

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In Fiscal Year 2005, the Defense TechLink Program received several Congressional adds to address the following areas: Technology Transfer IEE ($1.5M); Remote Presence ($1.7M); Technology Mapping ($1.95M), and Environmental Bioterrorism Detection ($1M).

Program Accomplishments and Plans:

	FY 2004	FY 2005	FY 2006	FY 2007
Marketing of DoD Technologies	2.510	0.975	1.388	1.386

FY 2004 Accomplishments: Undertook active marketing of DoD-developed technologies to United States companies to establish Patent License Agreements to commercialize these technologies for both civilian and military applications. The multiple objectives of this technology marketing activity are: (1) to accelerate the transition of DoD-developed technologies to the warfighter; (2) to lower the cost of DoD technology acquisition by developing a larger commercial market for dual-use technologies; (3) to provide a return of revenue to DoD labs from commercial spin-off of DoD-developed technologies; and (4) to fulfill DoD's Congressionally mandated technology transfer directives.

The congressional add of $1.6 million was for a Technology Venture Center in Montana and in Alaska to provide an entrepreneurial training/virtual business incubator. These funds are being used to provide specific start-up support to those companies initially licensing or taking to market technology developed in DoD and now available for commercialization. Efforts will be made to ensure the commercial products using the DoD developed technologies are made available to DoD buyers/programs.

FY 2005-2007 Plans: Continue active marketing of DoD-developed technologies to US companies to establish Patent License Agreements to commercialize these technologies for both civilian and military applications. The multiple objectives of this technology marketing activity are to (1) accelerate the transition of DoD-developed technologies to the warfighter; (2) lower the cost of DoD technology acquisition by developing a larger commercial market for dual-use technologies; (3) provide a return of revenue to DoD labs from commercial spin-off of defense technologies; and (4) fulfill DoD's Congressionally mandated technology transfer directives.

	FY 2004	FY 2005	FY 2006	FY 2007
Dual Use Technology Deployment	0.560	0.560	0.560	0.560

FY 2004 Accomplishments: Actively promoted and brokered Cooperative Research and Development Agreements (CRADAs) between DoD labs and industry for development of technology with both commercial and military applications. This activity focused on nontraditional defense contractors and is intended (1) to help lower the expense of new defense-related technology development through cost-sharing with industry, and (2) to help DoD benefit from private-sector technology investments and innovations.

FY 2005-2007 Plans: Actively promote and broker Cooperative Research and Development Agreements (CRADAs) between DoD labs and industry for development of technology with both commercial and military applications. This activity will particularly focus on nontraditional defense contractors and is intended (1) to help lower the expense of new defense-related technology development through cost-sharing with industry, and (2) to help DoD benefit from private-sector technology investments and innovations.

	FY 2004	FY 2005	FY 2006	FY 2007
Spin-On of Advanced Commercial-Sector Technologies	0.360	0.300	0.300	0.300

FY 2004 Plans: Promoted the DoD Small Business Innovation Research (SBIR) (focus on Phase III contracts) and Independent Research and Development (IR&D) programs to companies in the Northwestern United States in order to help DoD identify, fund, acquire, and integrate private-sector innovations and advanced commercial technologies into DoD systems.

FY 2005-2007 Plans: Actively promote the DoD Small Business Innovation Research (SBIR) (focus on Phase III contracts) and Independent Research and Development (IR&D) programs to companies in the Northwestern United States in order to help DoD identify, fund, acquire, and integrate private-sector innovations and advanced commercial technologies into DoD systems.

	FY 2004	FY 2005	FY 2006	FY 2007
Congressional Plus Up -- Technology Transfer IEE	0	1.500	0	0

FY2005 Plans: This congressional plus up is to support the Technology Transfer Commercialization National Center of Excellence for First Responders (NCEFR). The NCEFR will assess user needs and priorities, collect and evaluate potential DoD technologies for first responder use, identify non-DoD technologies that address DoD and first responder needs, and create and execute a marketing plan for these technologies. Measures of success will include technologies made available for first responder use.

	FY 2004	FY 2005	FY 2006	FY 2007
Congressional Plus Up -- Remote Presence	0	1.700	0	0

FY2005 Plans: This congressional plus-up is for a Remote Presence Program to extend the MCWL Dragon Eye and Dragon Runner and other emerging low cost remote presence technologies and enhances their capabilities to support multiple mission scenarios across all Services, joint operations and homeland security activities. Additionally, a model for transferring DoD-developed technologies will be developed and tested as an integral part of this effort.

	FY 2004	FY 2005	FY 2006	FY 2007
Congressional Plus Up -- Technology Mapping	0.000	1.950	0.000	0.000

FY 2005 Plans: This congressional plus up is to broaden DoD technology transfer management by providing seamless intellectual property (IP) workflow processes based on established benchmarks. This effort will fully integrate IP docketing, management, and advertising. Measures of success will be facilitation of 15 Cooperative Research and Development Agreements/Patent License Agreements and a direct connection to facilitating 10 other partnerships between DoD and the private sector.

	FY 2004	FY 2005	FY 2006	FY 2007
Congressional Plus Up -- Environmental Bioterrorism Detection	0.000	1.000	0.000	0.000

FY 2005 Plans: This congressional plus us is to develop an Environmental Bioterrorism Detection Program which establishes a wildlife disease-monitoring network to collect and analyze near real-time clinical data from wildlife hospitals, wildlife rehabilitation organizations, veterinarians and individuals. The network will be coupled to the DoD/DHS network currently being developed for humans to provide a biosurveillance tripwire system at extremely low additional cost. This effort will design a way to transfer DoD-developed medical technology to the commercial market as a way to jointly pursue common objectives.

C. Other Program Funding Summary: N/A
D. Acquisition Strategy: N/A
E. Major Performers: N/A

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Homeland Defense First Responders Technology Transfer	0.000	0.000	1.187	1.187	1.187	1.187	1.287	1.287

Leverages off existing technology transfer programs, through the Cooperative research and development agreements (CRADAs) and other R&D partnerships established under the Technology Link project, to meet the requirements of the FY2003 National Defense Authorization Act, Section 1401, that requires DoD to identify technology items and equipment developed or being developed with the potential to enhance public safety and improve homeland security; evaluation of technology items and equipment useful to first responders; facilitation of appropriate technology items and equipment to Federal, State, and local first responders; identification and elimination of redundant and unnecessary research efforts with respect to first responders; advance high priority projects; and participation of outreach programs to communicate with first responders and facilitate awareness of available technology items and equipment to support responses to crises. Monitors all DoD research and development activities to identify potential first responder applications; coordinates with other Federal Departments and Agencies to facilitate the transfer of technology from DoD to first responders; and assists private firms in the transfer of technology and equipment for first responders.

	FY 2004	FY 2005	FY 2006	FY 2007
Homeland Defense First Responders Technology Transfer	0.000	0.000	1.187	1.18

FY 2005-2007 Plans: Actively work with Federal, State, and local officials to identify and participate in outreach programs to communicate with first responders and facilitate awareness of available technology items and equipment to support homeland security and enhance public safety. Build a consolidated database to capture and manage the transfer of technology items, equipment, and capabilities from DoD to first responders.