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FY 2006/2007 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET
Exhibit R-2

DATE: Feb 2005

BUDGET ACTIVITY: 06
PROGRAM ELEMENT: 0605804N
PROGRAM ELEMENT TITLE: TECHNICAL INFORMATION SERVICES

COST: (Dollars in Thousands)

Project Number & Title	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate
Total PE	26,916	26,144	714	685	717	738	758	775
R0835	TECH INFO SVCS							
	718	683	714	685	717	738	758	775
R2296	FEDERAL LAB CONSORTIUM							
	368	0	0	0	0	0	0	0
R2969	SUPPLY CHAIN PRACTICES FOR AFFORDABLE NAVY SYSTEMS (SPANS)							
	1,443	991	0	0	0	0	0	0
R2970	CENTER FOR COMMERCIALIZATION OF ADVANCED TECHNOLOGY							
	8,192	6,740	0	0	0	0	0	0
R9093	LEAN PATHWAYS 3							
	2,450	0	0	0	0	0	0	0
R9262	PACIFIC-BASED JOINT INFORMATION TECHNOLOGY CENTER							
	6,729	8,421	0	0	0	0	0	0
R9412	HTDV							
	7,016	4,158	0	0	0	0	0	0
R9501	ILLINOIS TECHNOLOGY TRANSITION CENTER							
	0	1,286	0	0	0	0	0	0
R9502	INTEGRATED MANUFACTURING ENTERPRISE							
	0	3,865	0	0	0	0	0	0

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Technical Information Services program provides support to achieve affordability in the development of Navy systems and reduce life-cycle costs through the facilitation of advanced technology associations between U.S. industry and the Navy. Warfighting

UNCLASSIFIED

UNCLASSIFIED

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effectiveness is enhanced through strategic relationships with industry to commercialize the science and technology developed by the Naval Research Enterprise and to gain access to concepts, technologies, and business practices of the civil sector.

UNCLASSIFIED

UNCLASSIFIED

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PROGRAM CHANGE SUMMARY:

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
FY 2005 President's Budget Submission	27,270	696	714	682
Cong Rescissions/Adjustments/Undist. Reductions	0	-246	0	0
Congressional Action	0	25,700	0	0
Federal Technology Transfer	368	0	0	0
Non-Pay Inflation Adjustments	-24	0	0	0
Program Adjustments	0	-6	0	0
Rate Adjustments	0	0	0	3
SBIR Assessment	-698	0	0	0
FY 2006/2007 President's Budget Submission	26,916	26,144	714	685

PROGRAM CHANGE SUMMARY EXPLANATION:

Technical: Not applicable.

Schedule: Not applicable.

UNCLASSIFIED

UNCLASSIFIED

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PROGRAM ELEMENT: 0605804N

PROJECT NUMBER: R0835

PROGRAM ELEMENT TITLE: TECHNICAL INFORMATION SERVICES

PROJECT TITLE: TECH INFO SVCS

COST: (Dollars in Thousands)

Project Number & Title	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate
R0835 TECH INFO SVCS	718	683	714	685	717	738	758	775

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The goal for this project, to enhance warfighter effectiveness, is met through: Navy leverage of the industry independent R&D science and technology base; information exchange on Navy R&D requirements and advanced acquisition information through the Navy Acquisition R&D Information Center (NARDIC); the Navy Potential Contractor Program (NPCP); strategic partnerships with industry to transition private sector technology; and the transfer of appropriate Navy-developed innovative concepts and inventions to the private sector for purposes of commercialization. (Public Law 96-480, Federal Technology Transfer Act of 1986)

This project also provides the DON interface to the Office of the Deputy Under Secretary of Defense for Science and Technology, Office of Technology Transition, and to the Assistant Secretary of Commerce for Technology Policy for matters relating to policy and reporting requirements for technology transfer.

B. ACCOMPLISHMENTS/PLANNED PROGRAM:

	FY 2004	FY 2005	FY 2006	FY 2007
LEVERAGE OF INDUSTRY R&D	513	458	480	460

Leverage of Industry R&D supports studies, workshops, conferences, and other activities that facilitate advanced technology associations between U.S. industry and the Navy.

FY 2004 Accomplishments:

- Held two workshops, in technology packaging and insertion opportunities, to explore and pursue opportunities to leverage commercial wide band gap technologies for applications in naval low frequency communications.

UNCLASSIFIED

UNCLASSIFIED

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- Conducted industry site visits and updated naval program offices on industry advancements in wide band gap technologies.
- Continued naval/industry collaboration for industrialized "Cymbal" technology to support improved mine identification. Individual "Cymbal" element prototypes manufactured commercially and evaluated.

FY 2005 Plans:

- Conduct studies, workshops, conferences, and other activities that facilitate advanced technology associations between U.S. industry and the Navy.
- Complete wide band gap technologies initiative.
- Continue naval/industry collaboration for industrialized "Cymbal" technology to support improved mine identification.

FY 2006 Plans:

- Continue all efforts of FY 2005.

FY 2007 Plans:

- Continue all efforts of FY 2006.

	FY 2004	FY 2005	FY 2006	FY 2007
TECHNICAL INFORMATION SERVICES	112	118	122	118

Technical Information Services supports information exchange on Navy research and development requirements and advanced acquisition information and information technology tools necessary to provide management and oversight of the DON technology transfer program.

FY 2004 Accomplishments:

- Supported the Navy Acquisition Research and Development Information Center (NARDIC) as the primary outreach resource to the private sector.
- Assisted small companies to participate in the Naval Potential Contractor Program and other naval programs.

UNCLASSIFIED

UNCLASSIFIED

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- Maintained on-line job performance support and training tools for DON technology transfer professionals.
- Supported and maintained the networked tracking of technology transfer efforts required for Congressional reporting.

FY 2005 Plans:

- Continue FY 2004 efforts and maintain on-line tools.

FY 2006 Plans:

- Continue FY 2005 efforts and maintain on-line tools.

FY 2007 Plans:

- Continue FY 2006 efforts and maintain on-line tools.

	FY 2004	FY 2005	FY 2006	FY 2007
COMMERCIALIZATION OF NAVY-DEVELOPED TECHNOLOGIES	93	107	112	107

Commercialization of Navy-developed technologies supports the transfer of appropriate Navy-developed innovative concepts and inventions to the private sector for purposes of military and dual-use commercialization (Public Law 96-480, Federal Technology Transfer Act of 1986).

FY 2004 Accomplishments:

- Promoted naval-developed technologies at Pacific 2004 International Exposition.
- Conducted pilot program to assess the application of commercial intellectual property driven innovation to naval challenges.

FY 2005 Plans:

- Conduct tests, develop models, and perform market evaluations supporting commercialization of Navy-developed technologies for military and dual-use applications.

R1 Line Item 149

Page 6 of 11

UNCLASSIFIED

UNCLASSIFIED

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PROJECT TITLE: TECH INFO SVCS

FY 2006 Plans:

- Continue all efforts of FY 2005.

FY 2007 Plans:

- Continue all efforts of FY 2006.

C. OTHER PROGRAM FUNDING SUMMARY:

Not applicable.

D. ACQUISITION STRATEGY:

Not applicable.

UNCLASSIFIED

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PROGRAM ELEMENT: 0605804N

PROJECT NUMBER: Various

PROGRAM ELEMENT TITLE: TECHNICAL INFORMATION SERVICES

PROJECT TITLE: Congressional Plus-Ups

Project	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Number	Actual	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate
& Title								
R2296	FEDERAL LAB CONSORTIUM							
	368	0	0	0	0	0	0	0

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Federal Laboratory Consortium operates in accordance with P.L. 104-113, the National Technology Transfer and Advancement Act of 1995.

B. ACCOMPLISHMENTS/PLANNED PROGRAM:

	FY 2004	FY 2005	FY 2006	FY 2007
FEDERAL LAB CONSORTIUM	368	0	0	0

The Federal Laboratory Consortium for Technology Transfer (FLC) was established by Congress under the Federal Technology Transfer Act of 1986 (P.L. 99-502, 20 October 1986, as amended). The FLC, in cooperation with federal laboratories and the private sector, provides services to enhance the transfer of federally-developed technology to include activities such as: developing and administering technology transfer training courses and materials; assisting Federal agencies and laboratories in their technology transfer programs; and providing a clearinghouse for technology transfer requests.

FY 2004 Accomplishments:

- Funded the Federal Laboratory Consortium for Technology Transfer in compliance with the Federal Technology Transfer Act of 1986 (P.L. 99-502, 20 October 1986, as amended).

C. OTHER PROGRAM FUNDING SUMMARY:

Not applicable.

D. ACQUISITION STRATEGY:

Not applicable.

UNCLASSIFIED

UNCLASSIFIED

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PROJECT TITLE: Congressional Plus-Ups

CONGRESSIONAL PLUS-UPS:

R2969	FY 2004	FY 2005
SUPPLY CHAIN PRACTICES FOR AFFORDABLE NAVY SYSTEMS (SPANS)	1,443	991

FY 2004: Improved the affordability of Navy Acquisition programs by increasing the efficiency of the supply chain networks through the Navy's Supply Chain Practices for Affordable Navy Systems (SPANS) project. Program concentrated on the Defense Prime contractors and their respective supply chains.

FY 2005: Improve the affordability of Navy Acquisition programs by increasing the efficiency of the supply chain networks through the Navy's Supply Chain Practices for Affordable Navy Systems (SPANS) project. The FY 2005 effort will shift the emphasis to assist in the transformation of the Navy's organic maintenance and logistics organizations.

R2970	FY 2004	FY 2005
CENTER FOR COMMERCIALIZATION OF ADVANCED TECHNOLOGY	8,192	6,740

FY04: Supported an innovative and cost-effective capability to identify, evaluate, develop and commercialize cutting edge technologies from any source - academia, private industry, and government facilities - which address naval requirements and other government-defined priority issues. Completed a Low Volatility Hazard Detector Employing the M256A1 Chemical Agent Detector; a Non-invasive Oral Fluid Test to Assess the Immune Response of Anthrax-Vaccinated Individuals; and a Micro-Electro-Mechanical Systems Ultra-Sensitive Accelerometer.

FY05: Support an innovative and cost-effective capability to identify, evaluate, develop and commercialize cutting edge technologies from any source - academia, private industry, and government facilities - which address naval requirements and other government-defined priority issues.

R9093	FY 2004	FY 2005
LEAN PATHWAYS 3	2,450	0

Improved the capability of the Navy's sub-tier suppliers by introducing them to Lean Manufacturing practices.

R1 Line Item 149

Page 9 of 11

UNCLASSIFIED

UNCLASSIFIED

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PROJECT TITLE: Congressional Plus-Ups

R9262	FY 2004	FY 2005
PACIFIC-BASED JOINT INFORMATION TECHNOLOGY CENTER	6,729	8,421

FY 2004: Enabled DoD, through the Joint Information Technology Center (JITC) in Hawaii, to continue integrating and implementing logistics and personnel initiatives underway, including medical surveillance, logistics systems, business objects and decision support systems.

FY 2005: Continue research and development of theater medical surveillance networks and the joint medical logistics web site development for DoD asset visibility. Both programs are jointly funded by ONR and the Defense Medical Logistics project. In support of the J4 Staff, Joint Chiefs of Staff (JCS) funds will support continued research and development for developing cross domain solutions capable of sharing information between networks of differing security levels for both U.S.-only and coalition network environments. Continue research and development of methods for the extraction of information from U.S. logistics information systems to develop a comprehensive supply chain management tool for the Joint Staff and Combatant Commanders. Continue educational outreach K-12 in Hawaii to engage students in emerging technology applications.

R9412	FY 2004	FY 2005
HTDV	6,534	4,158

FY04: The Hawaii Technology Development Venture (HTDV) supported the development of a regional center for the commercialization of defense and homeland security technologies and provided an opportunity for small companies in Hawaii to develop advanced technologies for national defense. HTDV awarded 20 grants/contracts to 18 local companies to fund DoD/DoN related research initiatives.

FY05: HTDV will award additional grants/contracts to continue research associated with defense wide research initiatives; conduct workshops on project management, business enterprise and proposal preparation; and initiate a mentoring program linking large DoD contractors with local small businesses.

R9412	FY 2004	FY 2005
RCUH ENGINEERING DESIGN CENTER	482	0

UNCLASSIFIED

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PROJECT TITLE: Congressional Plus-Ups

Established a partnership between the Research Corporation of the University of Hawaii (RCUH) and the Navy to establish a center that supports the federal government in the development of technologies in areas such as aircraft systems, sensors, radars, optics, environmental engineering and ordnance studies, and communications and information systems.

R9501	FY 2004	FY 2005
ILLINOIS TECHNOLOGY TRANSITION CENTER	0	1,286

Effort supports Illinois Technology Transition Center.

R9502	FY 2004	FY 2005
INTEGRATED MANUFACTURING ENTERPRISE	0	3,865

Initiate implementation of state-of-the-art best practices across a wide spectrum of disciplines (including information processing, business practices, manufacturing process controls, and supply-chain management) to significantly impact the cost, quality, and schedule of Navy ships (specifically the LPD-17 class).

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