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FY 2003 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: February 2002

BUDGET ACTIVITY: 6

PROGRAM ELEMENT: 0605804N

PROGRAM ELEMENT TITLE: Technical Information Services

(U) COST: (Dollars in Thousands)

PROJECT NUMBER & TITLE	FY 2001 ACTUAL	FY 2002 ESTIMATE	FY 2003 ESTIMATE	FY 2004 ESTIMATE	FY 2005 ESTIMATE	FY 2006 ESTIMATE	FY 2007 ESTIMATE	TO COMPLETE	TOTAL PROGRAM
R0835	Technical Information Services								
	921	943	929	959	986	1,005	1,022	CONT.	CONT.
R2296	Federal Lab Consortium								
	282	0	0	0	0	0	0	0	1,506
R2322	Acquisition Center for Excellence (ACE)								
	643	0	0	0	0	0	0	0	23,390
R2969	Supply Chain Management								
	3,872	1,982	0	0	0	0	0	0	5,854
R2970	Commercialization of Advanced Technology Programs								
	5,806	5,055	0	0	0	0	0	0	10,861
R9093	Lean Pathways Project Expansion & Distance Learning								
	0	2,181	0	0	0	0	0	0	2,181
Total	11,524	10,161	929	959	986	1,005	1,022	CONT.	CONT.

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: Technical Information Services provides support to achieve affordability in the development of Navy systems and reduction of life-cycle costs through the facilitation of advanced technology associations between U.S. industry and the Navy. The goals for project R0835 are met through the following:

- (U) Navy leverage of the industry independent research and development science and technology base by facilitation of voluntary Technical Information Meetings between Navy, DOD components, and the private sector.
- (U) Support for the Navy Acquisition Research and Development Information Center (NARDIC) to provide the private sector with information on Navy research and development requirements and advanced acquisition information.

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(U) 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) through Cooperative Research and Development Agreements and Patent License Agreements through Offices of Research and Technology Applications.

- (U) Promotion of advanced information acquisition and distribution techniques (in conjunction with the Defense Technical Information Center (DTIC)) to disseminate research, development, and technology transfer efforts of Navy components, including the networking of Navy components' technology transfer databases Scientific and Technical Information Program (STIP).

- (U) Support for controlled access to, and exchange of, scientific and technical information by Navy/DOD components and present/potential contractors Navy Potential Contractor Program (NPCP).

(U) This program also provides the DON interface to the Office of the Deputy UnderSecretary of Defense (Science & Technology), Office of Technology Transition for matters relating to policy and DOD reporting requirements for technology transfer.

(U) JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under RDT&E MANAGEMENT SUPPORT because it supports the operations required for general research and development use.

(U) PROGRAM CHANGE FOR TOTAL P.E.:

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	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>
(U) FY 2002 President's Budget:	10,848	951	
(U) SBIR/STTR Transfer	-249	-	
(U) Federal Technology Transfers	282	-	
(U) Program Adjustments	643	-	
(U) Section 8123 Management Reform/Initiative Reduction	-	-90	
(U) Congressional Plus ups	-	9,300	
(U) FY 2003 President Budget Submission:	11,524	10,161	929

(U) Schedule: Not applicable.

(U) Technical: Not applicable.

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PROJECT NUMBER: R0835

PROGRAM ELEMENT TITLE: Technical Information

PROJECT TITLE: Technical Information Services

(U) COST: (Dollars in Thousands)

PROJECT NUMBER & TITLE	FY 2001 ACTUAL	FY 2002 ESTIMATE	FY 2003 ESTIMATE	FY 2004 ESTIMATE	FY 2005 ESTIMATE	FY 2006 ESTIMATE	FY 2007 ESTIMATE	TO COMPLETE	TOTAL PROGRAM
R0835									
Technical Information Services									
	921	943	929	959	986	1,005	1,022	CONT.	CONT.

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: This program provides support to achieve affordability in the development of Navy systems and reduction of life-cycle costs through the facilitation of advanced technology associations between U.S. industry and the Navy. These goals are met through the following:

- (U) Navy leverage of the industry independent research and development science and technology base by facilitation of voluntary Technical Information Meetings between Navy, DOD components, and the private sector.
- (U) Support for the Navy Acquisition Research and Development Center (NARDIC) to provide the private sector with information on Navy research and development requirements and advanced acquisition information.
- (U) 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) through Cooperative Research and Development Agreements and Patent License Agreements through Offices of Research and Technology Applications.
- (U) Promotion of advanced information acquisition and distribution techniques (in conjunction with the Defense Technical Information Center (DTIC)) to disseminate research, development, and technology transfer efforts of Navy

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components, including the networking of Navy components' technology transfer databases (Scientific and Technical Information Program (STIP)).

- (U) Support for controlled access to, and exchange of, scientific and technical information by Navy/DOD components and present/potential contractors (Navy Potential Contractor Program (NPCP)).
- (U) This program also provides the DON interface to the Office of the Deputy UnderSecretary of Defense (Science & Technology), Office of Technology Transition for matters relating to policy and DOD reporting requirements for technology transfer.

1. (U) FY 2001 ACCOMPLISHMENTS:

- (U) (\$921) Maintained coordination efforts with Systems Commands, Program Executive Offices, Direct Reporting Program Managers, and Navy laboratories and warfare centers to leverage industry research and development efforts to meet Navy performance/affordability needs. Encouraged submission of technical data by the private sector to the DTIC database in order to help integrate defense production with the commercial industrial base. Supported revitalization of the Industrial Research and Development (IR&D) program by increasing awareness of Naval opportunities and of IR&D benefits. Developed and published guidance for Naval potential contractors. Supported the NARDIC as the primary outreach resource to the private sector, including development and maintenance of electronic bulletin boards residing on the World Wide Web. Held a workshop with the Industrial Research Institute focused on partnership opportunities. With the Systems Commands, held the Annual Naval-Industry Partnership Conference to heighten industry awareness of Navy and Marine Corps Systems Commands technology and development needs. Focus topics included technology-gathering practices of successful organizations, shipbuilding industry improvements, TECH Solutions - a web-based tool to address readiness and quality of service problems, partnering with Navy labs, and more. Business to Business and Government to Business Marketplaces at the conference provided a forum for informal one-on-one discussions. Supported and maintained the networked technology tracking of technology transfer efforts. Supported a commercialization pilot project for patented technologies from Navy laboratories. Technologies include commercialization of non-volatile random access magnetic memory, biofilm coating for titanium, and a pressure flow sensor. Navy laboratories entered 167 new Cooperative Research and Development Agreements in areas such as the following: advanced distributed learning, missile development, information technology, protective clothing and equipment, vaccine research, wireless networking, advanced rotor craft technology, and alternative cooling technologies.

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Supported the Navy Office of Research and Technology Applications (ORTA) through the National Technology Transfer Center (NTTC) Entrepreneurial Training Apprenticeship Program (ETAP) which provided a minority student to work in the ORTA supporting technical information services and technology transfer activities.

2. (U) FY 2002 PLAN:

- (U) (\$943) Maintain Coordination efforts with Systems Commands, Program Executive Offices, Direct Reporting Program Managers, and Navy laboratories and warfare centers to leverage industry research and development efforts to meet Navy performance/affordability needs. Encourage submission of technical data by the private sector to the DTIC database in order to help integrate defense production with the commercial industrial base. Support the NARDIC as the primary outreach resource to the private sector, including maintenance of electronic bulletin boards residing on the World Wide Web. Support workshops on topics identified in the Annual Naval-Industry R&D Partnership Conference to heighten industry awareness of Navy and Marine Corps Systems Commands technology and development needs to support the Naval short and long-term operational requirements. Conduct an annual Partnership Conference to address the expansion of research and development by private sources. Coordinate with the Naval Fleet/Force Technology Innovation Office to expand Navy and Marine Corps partnership efforts to leverage Navy, corporate, and university technologies. Support and maintain the networked technology transfer database capability at the laboratory, ONR, and DoD levels, which enables the tracking of technology transfer efforts.

3. (U) FY 2003 PLAN:

- (U) (\$929) Maintain Coordination efforts with Systems Commands, Program Executive Offices, Direct Reporting Program Managers, and Navy laboratories and warfare centers to leverage industry research and development efforts to meet Navy performance/affordability needs. Encourage submission of technical data by the private sector to the DTIC database in order to help integrate defense production with the commercial industrial base. Support the NARDIC as the primary outreach resource to the private sector, including maintenance of electronic bulletin boards residing on the World Wide Web. Support workshops on topics identified in the Annual Naval-Industry R&D Partnership Conference to heighten industry awareness of Navy and Marine Corps Systems Commands technology and development needs to support the Naval short and long-term operational requirements. Conduct an annual Partnership Conference to address the expansion of research and development by private sources. Coordinate with the Naval Fleet/Force Technology Innovation Office to expand Navy and Marine Corps partnership

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efforts to leverage Navy, corporate, and university technologies. Support and maintain the networked technology transfer database capability at the laboratory, ONR, and DoD levels, which enables the tracking of technology transfer efforts.

- B. (U) PROGRAM CHANGE SUMMARY: See total program change summary for P.E.
- C. (U) OTHER PROGRAM FUNDING SUMMARY: Not applicable.
- D. (U) RELATED RDT&E: Not applicable.
- E. (U) SCHEDULE PROFILE: Not applicable

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CONGRESSIONAL PLUS-UPS

This section describes the following Congressional Plus-Ups appropriated in this program element:

Commercialization of Advanced Technology Program Lean Pathways Project Expansion & Distance Learning Supply Chain Best Practices

1. FY 2001 Congressional Plus-ups:

- (U) (\$5,806), Commercialization of Advanced Technology Program: FY01 Congressional plus-up initiated a cooperative approach to the transfer and transition of DoD technology components. This cooperative approach involves a partnership between SSC San Diego, industry and universities initiated by Cooperative Agreement No. N66001-01-2-8910 signed 26 June 2001. The two-year pilot program will test the feasibility and success of the Center for Commercialization for Advance Technology (CCAT) processes across the Navy. The CCAT will identify, evaluate, and fund technological concepts from such sources as local universities and industry, research laboratories, and SSC San Diego. If successful, the CCAT could offer the Navy an effective, streamlined way to increase investments to and from government and commercial applications.
- (U) (\$3,872), Supply Chain Management: Funds provided for the Navy's Supply Chain Practices for Affordable Navy Systems (SPANS) Project. The purpose of the project is to improve the affordability of Navy Acquisition programs by increasing the efficiency of the supply chain networks. It is currently estimated that supply chain costs account for 60-70% of acquisition costs. The project will develop and deploy changes in supply chain management technologies that will increase the efficiency of transactions, business processes, relationships, and networks within Navy Supply chains. The work focused on developing a strategic plan and project initiatives such as Supply Chain Simulation and Electronic Transmittal of Technical Data Packages.

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2. FY 2002 Congressional Plus-ups:

- (U) (\$5,055), Commercialization of Advanced Technology Programs: FY02 Congressional plus-up will expand into the other regions of California a cooperative approach to transfer and transition Navy/DoD technology components for commercialization by industry that was initiated by FY01 Congressional plus-up. The partnership will build on the Center for Commercialization for Advanced Technology (CCAT) process which is currently being developed. If successful, the CCAT could offer the Navy an effective, streamlined way to increase investments to and from government and commercial applications.
- (U) (\$2,181), Lean Pathways Project Expansion & Distance Learning: Funds were appropriated for the expansion of the Navy's Mantech Lean Pathways project (0708011N) and for the development of a distance learning delivery mechanism for the project. The purpose of the project is to improve the capability of the Navy's sub-tier suppliers by introducing them to Lean Manufacturing practices. Training and implementation support is provided by the project to these suppliers in collaboration with the prime contractors. The work in FY2001 focused on delivering Lean-Pathways technologies to the supplier base. FY2002 efforts will continue the delivery but will also focus on the development of a distance learning capability that will improve the cost effectiveness of the project. The goal is to improve quality while reducing costs and delivery times to the primes from their subcontractors.
- (U) (\$1,982), Supply Chain Management: Funds provided for the continuation of the Navy's Supply Chain Practices for Affordable Navy Systems (SPANS) project. The purpose of the project is to improve the affordability of Navy Acquisition programs by increasing the efficiency of the supply chain networks. It is currently estimated that supply chain costs account for 60%-70% of acquisition costs. The project will develop and deploy changes in supply chain management technologies that will increase the efficiency of transactions, business processes, relationships, and networks within Navy supply chains. The FY02 effort will be a continuation of the project initiatives and deployment of project results to the industry. The goal is to reduce acquisition costs and lead-times by increasing the affordability and responsiveness of the supply chains.

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