

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)							DATE February 2002	
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				
RDT&E, Defense-Wide/RDT&E Management Support - BA6				Critical Technology Support; 0605110BR				
COST (In Millions)	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete
Total 0605110BR Cost	4.3	3.3	1.9	1.9	2.0	2.0	2.0	Continuing
Project BB - Small Business Innovative Research (SBIR)		.1	.1	.1	.1	.1	.1	Continuing
Project BL - Militarily Critical Technology Program	4.3	3.2	1.8	1.8	1.9	1.9	1.9	Continuing

**A. Mission Description and Budget Item Justification:** This program element supports the Military Critical Technology Program (MCTP) which entails several facets--the most important is the Military Critical Technologies List (MCTL). The congressionally-mandated MCTL is the fundamental source document for identification of leading edge and current technologies which must be monitored and assessed worldwide for national security and nonproliferation control of weapons of mass destruction and advanced conventional weapons. The main efforts which encompasses the MCTL are: (1) continuous technical support to interdepartmental and international processes which develop multinational control agreements on technologies of concern to DoD; (2) worldwide technology assessments for the MCTL and other critical technologies efforts; (3) identification and determination of technical parameters for proposals for international control of weapons of mass destruction; (4) technical assessments to support treaty compliance inspections and decisions on foreign ownership of US industrial assets; (5) identification of foreign technologies of interest to the DoD and opportunities for international cooperative research and development; and (6) identification of Homeland Security and terrorism applications of militarily critical technologies.

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**A. Mission Description and Budget Item Justification (cont'd):**

Several of the activities performed by the MCTP include: (1) Developing and publishing in both hard copy and electronic form various lists that describe the military and proliferation significance of various technologies; (2) Monitoring and assessing dual-use and military technologies worldwide; (3) Assisting in the development of proposals for negotiation in various multilateral export control regimes; (4) Providing technical support for the review/revision of the U.S. Munitions List under the Defense Trade Security Initiative; and (5) Providing analytical support for various Congressional reports, primarily the annual cumulative assessment of export licenses to various high-risk countries under Section 1402 of the FY 2000 National Defense Authorization Act. These projects include funding for travel by DoD personnel in support of the management and technical objectives.

Automating the patent secrecy review process conducted by DoD and managed by DTRA with the military departments for the U.S. Patent and Trademark Office (PTO) will be accomplished principally through development and implementation of this Patent Application Review System (PARS).

PTO currently scans patents into an in-house system and prints these patents for review. When a patent may pose a national security risk and merits review by DTRA and possibly military field commands, a hard copy is delivered to these sites for review. If a secrecy order is required, it is documented, labeled, and stored accordingly. To provide an efficient and effective review process of these patents, an automated system needs to be developed.

The Technology Security Assessment System (TSAS) is being designed and developed to provide the analytical tools necessary for policy analysts, case analysts, and technical/intelligence analysts within DTRA to glean trends and relationships from a variety of data resources to assist in policy development and in case review processes. This system is intended to be an analytical complement to the case processing system being developed under USXPORTS.

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**B. Program Change Summary:**

	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>
FY 2001 President's Budget Request (Feb 2000)	3.9	2.2	2.2
FY 2002 Amended President's Budget Request (June 2001)	4.3	3.3	1.9
FY 2003 President's Budget Request (Feb 2002)	4.3	3.3	1.9

Change Summary Explanation:

Changes between FY 2001 and FY 2002 reflect decreased funding due to the completion of application development of the Patent Application Review System. Changes between FY 2002 and FY 2003 reflect decreased funding due to the completion of the application development of the Technology Security Assessment System.

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**Project BB - Small Business Innovative Research (SBIR):** This project provides the means for stimulating technological innovation in the private sector, strengthens the role of small business in meeting DoD research and development needs; fosters and encourages participation of minority and disadvantaged businesses in technological innovation; and increases the commercial application of DoD supported research and development results. These efforts are responsive to PL 106-554.

**FY 2002 Plans:**

**Small Business Innovative Research (SBIR)(\$56K):**

Support the Small Business Administration (SBA) National Direction by actively seeking small business contractors to perform innovative research. Execute Agency-approved SBIRs

**FY 2003 Plans:**

**Small Business Innovative Research (SBIR)(\$41K):**

Support the Small Business Administration (SBA) National Direction by actively seeking small business contractors to perform innovative research. Execute Agency-approved SBIRs.

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**Project BL - Militarily Critical Technologies Program:** This project provides critical data required to support the ongoing update of the Militarily Critical Technologies List (MCTL); technical support for review/revision for the U.S. Munitions List under the Defense Trade Security Initiative; assessment of dual-use and military technology worldwide to support national security actions; proposals for negotiations in various multinational export control regimes; analytical support for various Congressional reports; and, identification of Homeland Security and terrorism applications of militarily critical technologies.

**FY 2001 Accomplishments:**

**Patent Application Review System (PARS)(\$509K):**

Developed and designed an automated system to assist in the management control and assessment of the Department of Defense Patent applications for national security.

**Military Critical Technology Program (MCTP)(\$1,887K):**

Developed and published in hard copy and electronic form updates to the MCTL.

Monitored and assessed dual use and military technologies worldwide and develop technology assessments.

Assisted in the development of proposals for negotiations in multilateral export control regimes.

Provided technical support for the review/revision of the U.S. Munitions Lists under the Defense Trade Security Initiative #17.

Provided analytical support for various congressional reports, primarily the annual cumulative assessment of export licenses to various high-risk countries under Section 1402 of the FY 2000 National Defense Authorization Act.

**Technology Security Assessment System (TSAS) (\$1,862K):**

Provided analytical tools necessary to glean trends and relationships from a variety of data resources to assist in policy development and in case review process.

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**Project BL - Militarily Critical Technologies Program (cont'd):**

**FY 2002 Plans:**

**Military Critical Technology Program (MCTP) (\$1,857K):**

Develop and publish in both hard copy and electronic form updates to the MCTL.

Monitor and assess dual use and military technologies worldwide and develop technology assessments.

Assist in the development of proposals for negotiations in multilateral export control regimes.

Provide technical support for the review/revision of the U.S. Munitions Lists under the Defense Trade Security Initiative #17.

Provide analytical support for various Congressional reports, primarily the annual cumulative assessment of export licenses to various high-risk countries under Section 1402 of the FY 2000 National Defense Authorization Act.

Identify Homeland Security and terrorism applications of militarily critical technologies

**Technology Security Assessment System (TSAS) (\$1,300K):**

Provide analytical tools necessary to glean trends and relationships from a variety of data resources to assist in policy development and in case review process.

**FY 2003 Plans:**

**Military Critical Technology Program (MCTP) (\$1,821K):**

Develop and publish in both hard copy and electronic form updates to the MCTL.

Monitor and assess dual use and military technologies worldwide and develop technology assessments.

Assist in the development of proposals for negotiations in multilateral export control regimes.

Provide technical support for the review/revision of the U.S. Munitions Lists under the Defense Trade Security Initiative #17.

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**Project BL - Militarily Critical Technologies Program (cont'd):**

**FY 2003 Plans: (cont'd)**

Provide analytical support for various Congressional reports, primarily the annual cumulative assessment of export licenses to various high-risk countries under Section 1402 of the FY 2000 National Defense Authorization Act.

Identify Homeland Security and terrorism applications of militarily critical technologies

**C. Other Program Funding Summary:** N/A

**D. Execution (Entities receiving 10% or more of total funding available in the PE/FNC.):**

Labs/centers-N/A

Universities-N/A

FFRDCs-Institute for Defense Analyses(through Washington Headquarters Service)  
\$1,000K

Contractors-Enterprise Engineering Inc. \$342K

Other-N/A