

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)							DATE February 2000	
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense-Wide/RDT&E Management Support - BA6					R-1 ITEM NOMENCLATURE Critical Technology Support; 0605110BR			
COST (In Millions)	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	Cost to Complete
Total 0605110BR Cost	2.6*	2.2	3.9	2.2	2.2	2.2	2.3	Continuing
Project BB - Small Business Innovative Research (SBIR)	0	0	.1	.1	.1	.1	.1	Continuing
Project BL - Militarily Critical Technology Program	2.6*	2.2	3.8	2.1	2.1	2.1	2.2	Continuing

*Funding and activities were accomplished under PE 0605110T. The DCSA reimbursed DTRA for FY 1999 activities.

A. Mission Description and Budget Item Justification - This program element supports development and publication of the Congressionally mandated Militarily Critical Technologies List (MCTL). The MCTL is the fundamental source document for identification of leading edge and current technologies which must be monitored and assessed world-wide for national security and nonproliferation control of weapons of mass destruction and advanced conventional weapons. Efforts encompass:

- Continuous technical support to interdepartmental and international processes which develop multinational control agreements on technologies of concern to DoD.
- Worldwide technology assessments for the MCTL and other critical technologies efforts.
- Identification and determination of technical parameters for proposals for international control of weapons of mass destruction.
- Technical assessments to support treaty compliance inspections and decisions on foreign ownership of US industrial assets.
- Identification of foreign technologies of interest to the DOD and opportunities for international cooperative research and development.

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A. Mission Description and Budget Item Justification (cont'd) - During its first year of operation, DTRA has faced many challenges in the process of focusing agency organization and resources to the threat reduction mission. This has required a transition from predecessor agencies' legacy programs and support baseline resources to integrated DTRA programs and resources. Particular attention has been devoted to realigning the research and development investment programs. This project includes funding for travel by DTRA personnel in support of the management and technical objectives. The project structure in this PE represents that realignment.

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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 102-564.

FY 2001 Plans

Small Business Innovative Research (\$99K)

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 is responsive to a Congressional mandate to identify and develop a list militarily critical technologies and to satisfy time critical requirements for transfer and control of technologies established in interdepartmental and international processes.

FY 1999 Accomplishments

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Developed and published MCTL Part III, Section 3, Biological Technology; Technology Working Group Handbook and Membership List; The Development of MCTL Part II, Weapons of Mass Destruction Technologies; Internet Usage.

Developed and published a classified addendum to MCTL Part II on Theater Ballistic Missiles.

Designed and implemented a revised MCTL web page.

Provided on site support at international technology negotiations and analyzed and documented US and International Participation.

FY 2000 Plans

Develop and publish updated MCTL Parts I, II and III in both hard copy and electronic versions incorporating results of the assessments completed in FY 1999 and changes in multinational control regimes. (\$1,116K)

Monitor and assess dual use and military technologies worldwide and develop technology assessments to support national military and economic security actions and identify candidate technologies for applications in U.S. weapon systems. These assessments will reflect security concerns, effects of the proliferation of weapons of mass destruction and the rapid advancement of technology worldwide. (\$982K)

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Project BL - Militarily Critical Technology Program (cont'd) -
FY 2000 Plans (cont'd) -

Develop proposals for international control/decontrol of technologies for multinational negotiations for the Wassenaar Arrangement, Nuclear and Biological Warfare/Chemical Warfare (BW/CW) export control regimes. (\$100K)

FY 2001 Plans

Develop and publish updated MCTL Parts I, II and III in both hard copy and electronic versions incorporating results of the assessments completed in FY 2000 and changes in multinational control regimes. (\$1,080K)

Monitor and assess dual use and military technologies worldwide and develop technology assessments to support national military and economic security actions and identify candidate technologies for applications in US weapon systems. These assessments will reflect security concerns, effects of the proliferation of weapons of mass destruction and the rapid advancement of technology worldwide. (\$900K)

Develop proposals for international control/decontrol of technologies for multinational negotiations for the Wassenaar Arrangement, Nuclear and Biological Warfare/Chemical Warfare (BW/CW) export control regimes. (\$100K)

Develop analytical tools to aid in evaluation and assessment of technology and goods for national security. (\$1,748K)

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B. Program Change Summary

	<u>FY1999</u>	<u>FY2000</u>	<u>FY2001</u>
Previous President's Budget	2.6*	2.2	2.1
Current Budget Submit	2.6*	2.2	3.9

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Change Summary Explanation:

Increased funding in FY 2001 supports the development of analytical tools to aid in evaluation and assessment of technology and goods for national security.