

<b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)</b>	DATE <b>FEBRUARY 2000</b>
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BUDGET ACTIVITY <b>6 - Management Support</b>	PE NUMBER AND TITLE <b>0605502BP SMALL BUSINESS INNOVATIVE RESEARCH (SBIR)</b>
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COST (In Thousands)	FY 1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	5638	0	0	0	0	0	0	0	5638
SB6 SMALL BUSINESS INNOVATIVE RESEARCH (SBIR)	5638	0	0	0	0	0	0	0	5638

**A. Mission Description and Budget Item Justification:**      The overall objective of the Chemical/Biological Defense (CBD) SBIR program is to improve the transition or transfer of innovative CBD technologies between Department of Defense (DoD) components and the private sector for mutual benefit. The CBD program includes those technology efforts that maximize a strong defensive posture in a biological or chemical environment using passive and active means as deterrents. These technologies include chemical and biological detection; information assessment, which includes identification, modeling, and intelligence; contamination avoidance; and protection of both individual soldiers and equipment.

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**6 - Management Support**

PE NUMBER AND TITLE  
**0605502BP SMALL BUSINESS INNOVATIVE RESEARCH (SBIR)**

<b>B. <u>Program Change Summary:</u></b>	<b><u>FY 1999</u></b>	<b><u>FY 2000</u></b>	<b><u>FY 2001</u></b>
Previous President's Budget (FY 2000/FY 2001)	0	0	0
Appropriated Value	0	0	
Adjustment to Appropriated Value			
a. Congressional General Reductions			
b. SBIR/STTR	5638		
c. Omnibus or Other Above Threshold Reductions			
d. Below Threshold Reprogramming			
e. Rescissions			
Adjustments to Budget Years Since FY 2000/2001 PRES BUD			0
Current Budget Submit (FY2001/PRES BUD)	5638	0	0

Change Summary Explanation:

Funding:

Schedule:

Technical:

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<b>BUDGET ACTIVITY</b> <b>6 - Management Support</b>	<b>PE NUMBER AND TITLE</b> <b>0605502BP SMALL BUSINESS INNOVATIVE RESEARCH (SBIR)</b>	<b>PROJECT</b> <b>SB6</b>
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COST (In Thousands)	FY 1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
SB6 SMALL BUSINESS INNOVATIVE RESEARCH (SBIR)	5638	0	0	0	0	0	0	0	5638

**A. Mission Description and Budget Item Justification:**

**Project SB6 SMALL BUSINESS INNOVATIVE RESEARCH (SBIR):** The SBIR Program is a Congressionally mandated program established to increase the participation of small business in federal research and development (R&D). Currently, each participating government agency must reserve 2.5% of its extramural R&D for SBIR awards to competing small businesses. The goal of the SBIR Program is to invest in the innovative capabilities of the small business community to help meet government R&D objectives while allowing small companies to develop technologies and products which they can then commercialize through sales back to the government or in the private sector.

The Small Business Technology Transfer (STTR) Program like SBIR, is a government-wide program, mandated by the Small Business Research and Development Enhancement Act of 1992, PL 102-564. STTR was established in FY94 as a three-year pilot program. In early 1996, the General Accounting Office conducted a comprehensive review of the Government-wide STTR Program to determine the effectiveness of the pilot program. Upon review of the GAO report, Congress voted to reauthorize the STTR Program to the year 2000, consistent with the authorization period for the SBIR Program.

STTR was established as a companion program to the SBIR Program and is executed in essentially the same manner; however there are several distinct differences. The STTR Program provides a mechanism for participation by university, federally-funded research and development centers (FFRDCs), and other non-profit research institutions. Specifically, the STTR Program is designed to provide an incentive for small companies and research at academic institutions and non-profit research and development institutions to work together to move emerging technical ideas from the laboratory to the marketplace to foster high-tech economic development and to advance U.S. economic competitiveness. Each STTR proposal must be submitted by a team which includes a small business (as the prime contractor for contracting purposes) and at least one research institution, which have entered into a Cooperative Research and Development Agreement for the purposes of the STTR effort. Furthermore, the project must be divide up such that the small business performs at least 40% of the work and the research institution(s) performs at least 30% of the work. The remainder of the work may be performed by either party or a third party. The budget is separate from the SBIR budget and is significantly smaller (0.15% of the extramural R&D budget vs. 2.5% for the SBIR Program).

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PROJECT

**6 - Management Support****0605502BP SMALL BUSINESS INNOVATIVE RESEARCH (SBIR) SB6**

The Department of Defense (DoD) has consolidated management and oversight of the Chemical and Biological Defense (CBD) program into a single office within the Office of the Secretary of Defense (OSD). The Army was designated as the Executive Agent for coordination and integration of the CBD program. The executive agent for the SBIR/STTR portion of the program is the Army Research Office-Washington.

The overall objective of the CBD SBIR/STTR program is to improve the transition or transfer of innovative CBD technologies between DoD components and the private sector for mutual benefit. The CBD program includes those technology efforts that maximize a strong defensive posture in a biological or chemical environment using passive and active means as deterrents. These technologies include chemical and biological detection; information assessment, which includes identification, modeling, and intelligence; contamination avoidance; and protection of both individual soldiers and equipment.

**FY 1999 Accomplishments:**

- 5638 SBIR - Conducted Chemical and Biological Defense SBIR research and development efforts.

Total 5638

**FY 2000 Planned Program: No planned program****FY 2001 Planned Program: No planned program****B. Other Program Funding Summary: N/A**