

TUTORIAL #13

DEPARTMENT OF DEFENSE THE CHEMICAL AND BIOLOGICAL DEFENSE (CBD) SBIR PROGRAM



The Chemical and Biological Defense (CBD) program was established by the Department of Defense (DoD) in 1994 to provide state-of-the-art defense capabilities to allow U.S. military forces to operate and successfully complete missions in chemical and biological warfare environments.

The overall objective of the CBD Small Business Innovation Research (SBIR) program is to elicit innovative solutions from the small business community that address chemical and biological defense technology gaps confronting DoD and to include technologies that will also have high commercialization potential in the private sector. Technologies developed under the SBIR program have the potential to transition to the Joint Program Executive Office for Chemical and Biological Defense (JPEO-CBD) if the appropriate level of technology maturity has been demonstrated.

The SBIR CBD program is one of the 12 components within DoD and is often confused with DTRA or the Defense Threat Reduction Agency. However, CBD and DTRA are separate programs, each with a separate budget and a separate program manager.

The CBD SBIR Program targets 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 for both point and stand-off capabilities; individual and collective protection; hazard mitigation (or decontamination); information systems technology to include, but not limited to, modeling, simulation and operational effects & mitigation; medical pre-treatments (such as vaccine development and delivery); medical diagnostics & disease surveillance; and medical therapeutics (such as chemical countermeasures and biological countermeasures).

CBD participates in the SBIR program but not in the STTR program. It funds a very large and diverse array of topic areas and technical disciplines including: detectors and sensors, medical pre-treatment, therapeutics, and diagnostics; decontamination and protection; bioinformatics and data analysis systems; soldier support, health and performance; proteomics, molecular biology, drug development, and many more.

The CBD SBIR Process

	Amount	Time Frame
Phase I Project Feasibility	Base \$100K Option 1 \$50K	6 months 3 months
Phase II Prototype Development	\$1,000,000	24 months
Phase III Commercialization	Commercial application in Defense or private sector funded with non SBIR funds	

The CBD SBIR Program uses a base and an option for Phase I contract awards. The maximum dollar value for the base is \$100,000 for up to 6 months of work, while the Phase I Option is \$50,000 for three months. CBD provides three opportunities annually for Phase I awardees to submit a Phase II proposal and encourages Phase I awardees to defer Phase II proposal

submission until at least the fifth month of the Phase I Period of Performance. The total SBIR funding available for Phase II is \$1 million. Approximately one in ten Phase I proposals are selected for contract award. There are approximately two proposals selected for each topic. Approximately 50% of Phase I awardees receive a Phase II contract.