

CWMD

COUNTERING WEAPONS OF MASS DESTRUCTION



# DHS SBIR Program Overview

Countering Weapons of Mass Destruction Office (CWMD)  
U.S. Department of Homeland Security

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Homeland  
Security

Countering Weapons of Mass Destruction

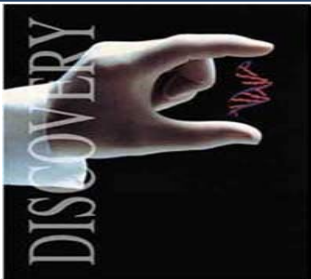
# *Homeland Security Missions*



- Prevent Terrorism and Enhance Security
- Secure and Manage Our Borders
- Enforce and Administer Our Immigration Laws
- Safeguard and Secure Cyberspace
- Strengthen National Preparedness and Resilience

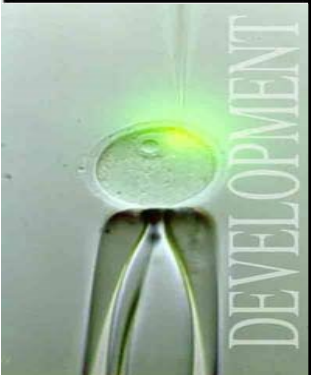
DHS SBIR Program consists of the Science & Technology Directorate and the Countering Weapons of Mass Destruction Office

# DHS SBIR – A Three Phase Program



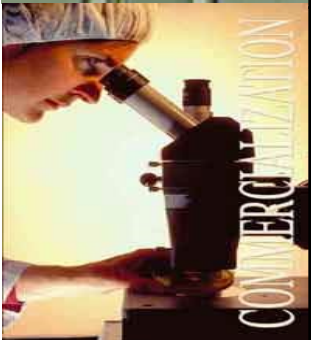
**Phase I**  
Scientific and Technical Feasibility/Study

- Funded with SBIR funds, 33% may be outsourced
- Not to exceed 6 months in duration
- \$150,000 maximum threshold inclusive of \$6,500 for Technical and Business Assistance.



**Phase II**  
Full Research/R&D  
Prototype Demonstration

- Funded with SBIR funds, 50% may be outsourced
- Generally 24 months in duration
- \$1,000,000 maximum threshold inclusive of \$50,000 for Technical and Business Assistance
- Cost Match feature with outside investors committing minimum of \$100,000 & DHS matching up to 50% of funds received (max DHS contribution of \$250,000).



**Phase III**  
Commercialization  
(*non SBIR funds*)

- Funded with private or non-SBIR government sources
- No dollar or time limits
- For work that derives from, extends, or completes an effort made under prior SBIR funding agreements
- Competition for SBIR Phase I and Phase II awards satisfies competition requirement for SBIR Phase III



# CWMD Office Authorization

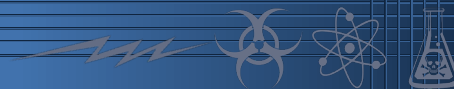


**“The CWMD Office will coordinate with other Federal efforts and develop a strategy and policy to plan for, detect, and protect against unauthorized chemical, biological, radiological, or nuclear materials or devices in the United States..”**

*–President Trump, December 2018*

- In December 2017, DHS established the Countering Weapons of Mass Destruction (CWMD) Office to elevate and streamline DHS efforts to prevent terrorists from using weapons of mass destruction against the United States.
- In December 2018, President Trump signed into law the Countering Weapons of Mass Destruction Act of 2018, fully authorizing the CWMD Office.
- In February 2019, Congress appropriated funds to the newly-authorized CWMD Office.
- In February 2019, CWMD Assistant Secretary McDonnell released the FY 2019 CWMD Office Strategic Plan.





## MISSION, VISION & VALUES

### Mission

CWMD's mission is to counter attempts by terrorists or other threat actors to carry out an attack against the United States or its interests using a weapon of mass destruction.

### Vision

We use our combination of technical expertise and relationships to support DHS components, first responders, and domestic and international counterparts to enhance pathway defeat efforts, prepare for and combat WMD, and close vulnerabilities to ensure deterrence and protect the homeland.

### Values

- **Adaptive:** Be creative and innovative in fielding capabilities that keep pace with our adversaries.
- **Resilient:** The threat is changing and our actions must be timely, responsive and redundant.
- **Flexible:** Be able to take risks, be creative in developing and rapidly delivering solutions.
- **Forward Focused:** Understand and meet the future needs of the DHS Operating Components.
- **Integrity:** Demonstrate the highest level of honesty in all that we do, put the protection of our Country first, and never waiver from doing the right thing.



# CWMD Responsibilities



- Leads DHS efforts to develop and enhance programs and capabilities that defend against weapons of mass destruction (WMD) terrorism.
- Holds the responsibilities of the DHS Chief Medical Officer, who serves as the principal advisor to DHS leadership on medical and public health issues.
- Key responsibilities include
  - Deter WMD Terrorism
  - Strengthen National WMD Defenses
  - Enhance Community Preparedness against WMD Terrorism
  - Provide DHS medical advice & coordination



*Requirements Analysis – R&D – Rapid Prototyping – T&E – Acquisition – Life Cycle Support*



**Homeland  
Security**

**Countering Weapons of Mass Destruction**



# Homeland Security



Homeland Security

Countering Weapons of Mass Destruction