DHS Small Business Innovation Research (SBIR) Programs Overview

12th National Small Business Conference
“Leveraging New Legislation for Growth”

September 24, 2015
Homeland Security Missions

- Preventing 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 Percent of Total Budget Authority by Organization
FY2015 President’s Budget

Percent of Total Budget Authority by Organization, FY15 President’s Budget

- Customs and Border Protection (CBP) 21%
- Federal Emergency Management Agency (FEMA) 20%
- U.S. Coast Guard (USCG) 16%
- Transportation Security Administration (TSA) 12%
- Immigration and Customs Enforcement (ICE) 9%
- U.S. Citizenship and Immigration Services (USCIS) 5%
- National Protection and Programs Directorate (NPPD) 5%
- FEMA Grants 4%
- U.S. Secret Service (USSS) 3%
- Science and Technology Directorate (S&T) 2%
- Department Operations (Dept. Ops) 1%
- Federal Law Enforcement Training Center (FLETC); Office of Inspector General (OIG); and Office of Health Affairs (OHA) 1%
- Analysis and Operations (A&O) 0.5%
- Domestic Nuclear Detection Office (DNDO) 0.5%

Source: Budget-in-Brief Fiscal Year 2015
http://www.dhs.gov

~ $60.919B in FY2015 across all organizations
To deliver effective and innovative insight, methods and solutions for the critical needs of the Homeland Security Enterprise.
DNDO Mission and Objectives

The DNDO is a jointly-staffed, national office established in 2005 for the purpose of improving the Nation’s capability to detect and report unauthorized attempts to import, possess, store, develop, or transport nuclear or radiological material for use against the Nation, and to further enhance this capability over time.

--- NSPD 43/HSPD 14

- Develop the global nuclear detection and reporting architecture
- Develop, acquire, and support the domestic nuclear detection and reporting system
- Characterize detector system performance before deployment
- Establish situational awareness through information sharing and analysis
- Establish operation protocols to ensure that detection leads to effective response
- Conduct a transformational research and development program
- Provide stewardship of USG Technical Nuclear Forensics Center planning, integration and development
| Phase I: Scientific and Technical Feasibility/ Proof of Concept | • Funded with SBIR funds, 33% may be outsourced  
• Not to exceed 6 months in duration  
• Award sizes:  
  ➢ $100,000 for S&T Directorate’s SBIR  
  ➢ $150,000 for DNDO’s SBIR  
• An additional $5,000 per year for Technical Assistance  
• Awardees given automatic access to Auto Harvest Foundation  
• Participation in DHS/NSF I-Corps Program (S&T only) |
|---|---|
| Phase II: Full Research/R&D Prototype Demonstration | • Funded with SBIR funds, 50% may be outsourced  
• Generally 24 months in duration  
• Award sizes:  
  ➢ $750K for S&T Directorate’s SBIR  
  ➢ $1,000,000 for DNDO’s SBIR  
• An additional $5,000 per year for Technical Assistance  
• Potential for cost match (1:2)  
• Potential for additional $300K for 12 months for CRPP award  
• Participation in DHS/NSF I-Corps Program at $50K (S&T only) |
| Phase III: Commercialization (non SBIR funds) | • Funded with private or non-SBIR government sources  
• For work that derives from, furthers the Phase I/Phase II effort, or brings to conclusion  
• No dollar or time limits  
• Size standards do not apply  
• Can be sole-sourced; competition determined in Phase I |
DHS SBIR Solicitation Information

- Joint solicitation issued once each fiscal year; early December timeframe
- Treated as a federal procurement; subject to the Federal Acquisition Regulations (FAR)
  - Solicitations announced in FedBizOpps
  - Topics determined by the government
  - Federal employee review panels; source selection authority
- Community can suggest topics at https://sbir2.st.dhs.gov
- Offerors may submit a proposal(s) in response to any/all of the solicitation topics
- Unsolicited proposals are not accepted
- DHS awards contracts under its SBIR program
  - Phase I: Firm fixed price contracts
  - Phase II: Cost plus and/or firm fixed price contracts

Joint solicitation with multiple topics relevant to each organization

15 Days permitted for direct contact with topic authors
30 Days open proposal submission period
90 Days from solicitation close to notification
~10 Days from solicitation close to award
180 Phase I period of performance
DHS SBIR Program Fun Facts

- 3,529 Phase I proposals submitted
  - Proposals received from every state in the U.S., plus D.C. and Puerto Rico
  - Submissions from over 1900 small businesses
  - 62% of submissions from small businesses with 24 or fewer employees

- Small businesses in 43 states received Phase I funding
  - 50% of Phase I awards made to small businesses with 24 or fewer employees
  - 16% of Phase I awards made to women-owned small businesses

- DHS SBIR technologies have resulted in 85 patents applications filed *
  - 31 patents issued; 28 patents pending

- 17% of Ph I submissions received an award
- 38% of Ph I awards received Phase II funding
- 33% of Ph II projects received Phase III funding **
- 40+ Commercial products on the market *
- 133M $ of Ph III funding awarded on DHS SBIR technologies**

* Information from a 2013 study of completed SBIR Phase II projects
** Includes DHS internal R&D funds; funding from other government agencies; product sales, licenses, and private investments
## Key DHS Web Sites and DHS SBIR Points of Contact

- [www.dhs.gov](http://www.dhs.gov)
- [http://www.dhs.gov/small-business-assistance](http://www.dhs.gov/small-business-assistance)

### DNDO

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### S&T Directorate

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https://sbir2.st.dhs.gov

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**To report SBIR fraud, waste and abuse:**
- Email: dhsoighotline@oig.dhs.gov
- Anonymous Hotline: 1-800-323-8603
- Fax: 202-254-4292
- Mail: DHS Office of Inspector General/Mail Stop 0305, Attn: Office of Integrity & Quality Oversight - Hotline  
  245 Murray Drive SW  
  Washington, DC  20528-0305

**SBIR Help Desk:**  
dhssbir@reisystems.com, 703-480-7676
Questions?