

DHS Small Business Innovation Research (SBIR) Programs Overview



12th National Small Business Conference

“Leveraging New Legislation for Growth”

September 24, 2015



**Homeland
Security**

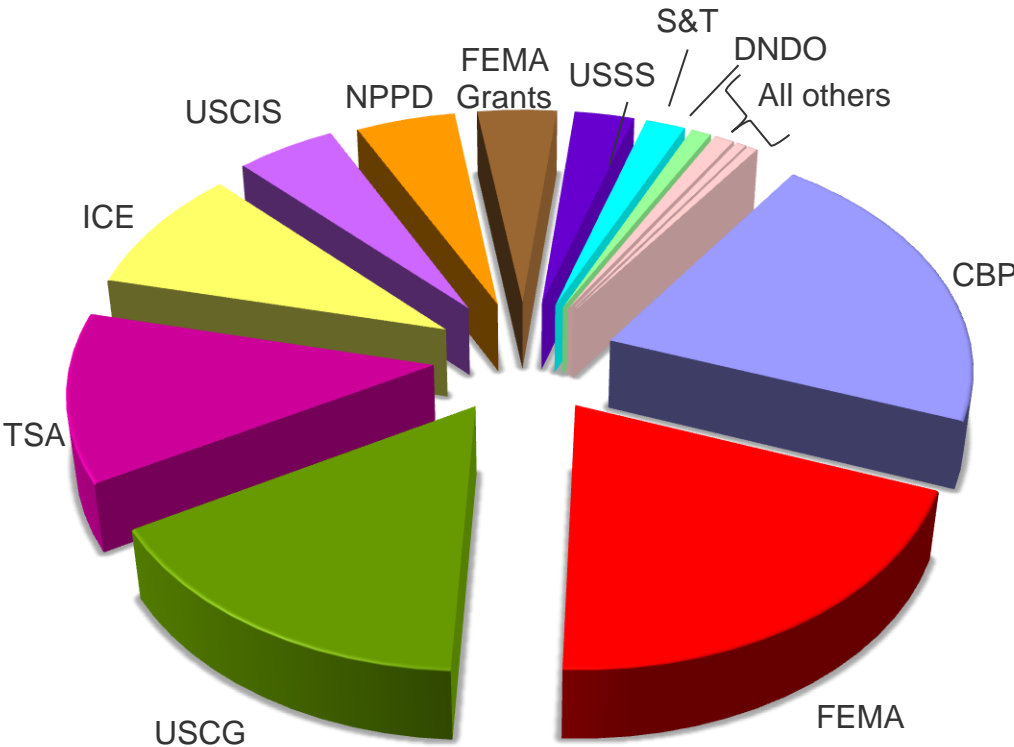
Elissa I. Sobolewski
DHS SBIR Program Director
Science and Technology Directorate

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



**~ \$60.919B in FY2015
across all organizations**

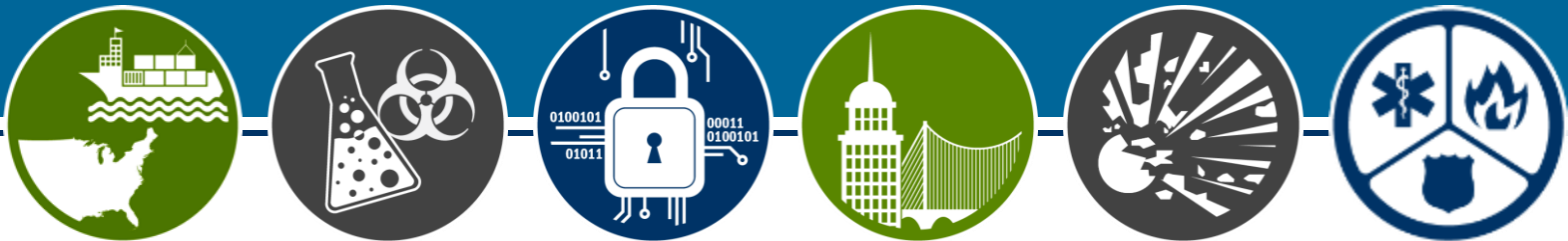
Percent of Total Budget Authority by Organization, FY15 President's Budget	
Customs and Border Protection (CBP)	21%
Federal Emergency Management Agency (FEMA)	20%
U.S. Coast Guard (USCG)	16%
Transportation Security Administration (TSA)	12%
Immigration and Customs Enforcement (ICE)	9%
U.S. Citizenship 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%



**Homeland
Security**

S&T Directorate Mission

To deliver effective and innovative insight, methods and solutions for the critical needs of the Homeland Security Enterprise.



**Homeland
Security**

Science and Technology

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.

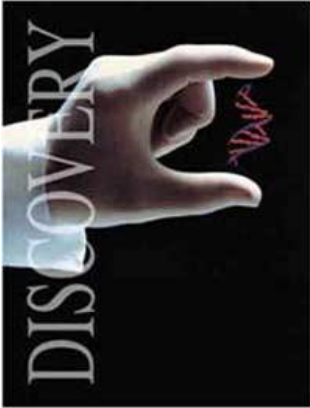
--- NSPD 43/HSPD 14

- 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



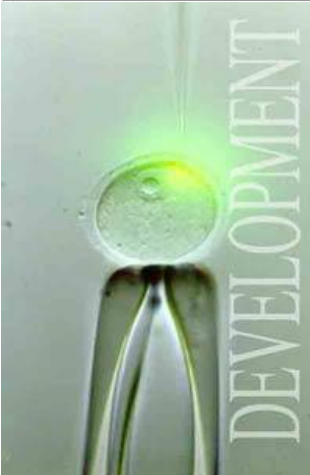
**Homeland
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DHS SBIR – A Three-Phase Program



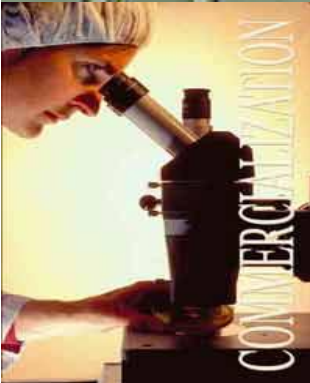
Phase I:
 Scientific and
 Technical
 Feasibility/
 Proof of Concept

- 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

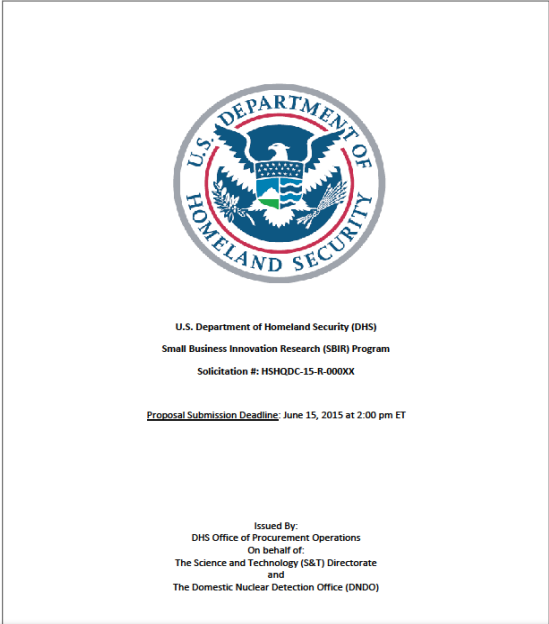
- Funded with SBIR funds, 50% may be outsourced
- Generally 24 months in duration
- Award sizes:
 - \$750K for S&T Directorate's SBIR
 - \$1,000,000 for DNDO's SBIR
- An additional \$5,000 per year for Technical Assistance
- Potential for cost match (1:2)
- Potential for additional \$300K for 12 months 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
with multiple topics
relevant to
each organization*

- 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

15
Days permitted for direct contact with topic authors

30
Days open proposal submission period

90
Days from solicitation close to notification

~100
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/how-do-i/do-business-dhs>
- <http://www.dhs.gov/small-business-assistance>

DNDO

Kevin Gutierrez

SBIR Program Manager

kevin.gutierrez@hq.dhs.gov

202-254-7610

Mitaire Ojaruega

SBIR Program Analyst

Mitaire.ojaruega@hq.dhs.gov

202-254-7567

Program email:

dndosbir@hq.dhs.gov

S&T Directorate

Elissa “Lisa” Sobolewski

SBIR Program Director

elissa.sobolewski@hq.dhs.gov

202-254-6768

Francis “Frank” Barros

SBIR Program Analyst

francis.barros@hq.dhs.gov

202-254-6966

Program email and website:

stsbir.program@hq.dhs.gov

<https://sbir2.st.dhs.gov>

SBIR Help Desk:

dhssbir@reisystems.com, 703-480-7676

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

Questions?

