

U.S. Department of Homeland Security | Science and Technology Directorate

Welcome to the DHS Small Business Innovation Research Phase Ø Awareness, Education, & Resources (PØWER) Symposium

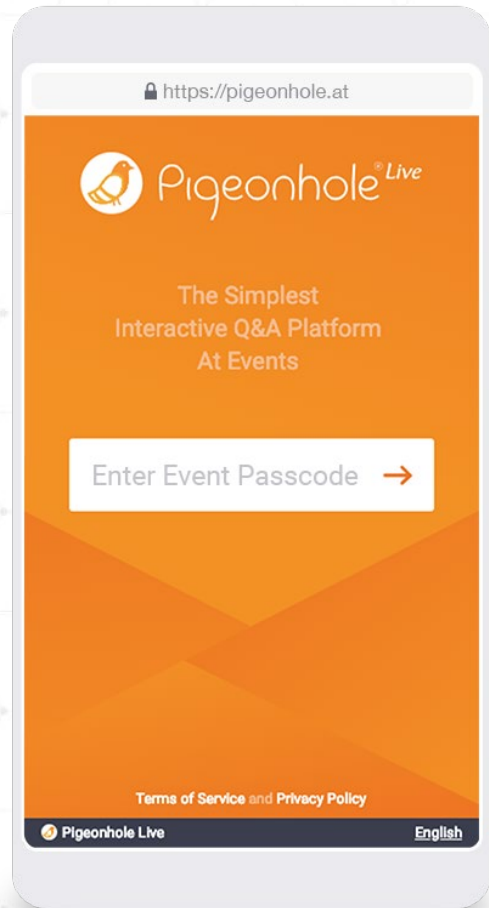


Dusty Lang
Director, DHS SBIR

SBIR POWER SYMPOSIUM AGENDA

8:30 - 9:00 AM ET	Registration
9:00 - 9:25 AM	Welcome and Overview of DHS Small Business Innovation Research (SBIR) Program and the DHS SBIR Phase Ø Program
9:25 - 9:35 AM	Rules of Engagement
9:35 - 9:55 AM	Topic Talk 1 - DHS 251-001 - Fentanyl Attribution Forensics/Source Profiling
9:55 - 10:10 AM	Break
10:10 - 10:30 AM	Topic Talk 2 - DHS251-002 - Enabling Data Analysis, Situational Awareness and Cyber Security for NG911 Public Safety Answering Points (PSAP)
10:30 - 11:30 AM	Panel Discussion on “How DHS SBIR Proposals are Reviewed”
11:30 - 12:30 PM	Lunch
12:30 - 12:50 PM	Topic Talk 3 - DHS 251-003 - On-Person Screening Stream of Commerce Analysis Tool
12:50 - 1:20 PM	Getting to Know DHS’s Component Partners and End Users
1:20 - 1:40 PM	Topic Talk 5 - DHS251-005 - Wired Interconnection Cable/Adapter from Mobile Device to Biometric Collection
1:40 - 2:00 PM	Topic Talk 4 - DHS251-004 - Securing Video Communications to Prevent Digital Injection Attacks
2:00 - 2:15 PM	Break
2:15 - 2:35 PM	Introduction to the DHS SBIR Phase Ø Program
2:35 - 3:05 PM	Service Provider Panel Discussion: What Kind of Assistance Can We Provide?
3:05 - 3:15 PM	Expectation Setting & How to Stay Informed
3:15 - 3:45 PM	Q&A Session
3:45 - 4:00 PM	Wrap up and Closing Comments

Send Us Your Questions!



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Overview of the DHS SBIR Program and Phase 0



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DHSSBIR

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Small Business Innovation Research Program (SBIR)

- ❑ One of the largest examples of U.S. public-private partnerships
- ❑ Created in 1982 through the Small Business Innovation Development Act (P.L. 97-219; codified in 15 U.S.C. 638)
- ❑ The program is specifically designed to:
 - ❑ Stimulate technological innovation;
 - ❑ Use small businesses to meet Federal research/research and development (R/R&D) needs;
 - ❑ Foster and encourage participation in technological innovation by socially and economically disadvantaged persons and by women-owned small businesses; and
 - ❑ Increase commercialization of innovations derived from Federal R&D, increasing competition, productivity, and economic growth.
- ❑ Any agency whose extramural R/R&D budget exceeds \$100M, must set aside 3.2% of its extramural R/R&D budget

DHS SBIR Program

- ❑ Initiated in 2004 with the goal to increase participation of innovative and creative U.S. small businesses in federal R&D programs and challenge industry to bring innovative homeland security solutions to reality.
- ❑ The program serves all DHS components.
- ❑ Solicitation topics are developed by Program Managers, Technical Subject Matter Experts, and other DHS component federal employees.

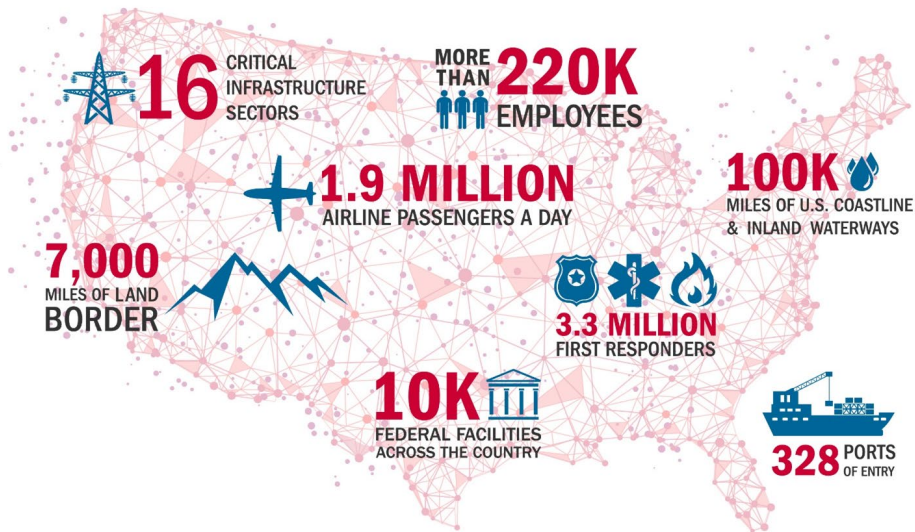


POWERED BY



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SBIR | Supporting the DHS Mission



- Federal Emergency Management Agency (FEMA)
- Customs and Border Protection (CBP)
- U.S. Coast Guard (USCG)
- Transportation Security Administration (TSA)
- Immigration and Customs Enforcement (ICE)
- Cybersecurity and Infrastructure Security Agency (CISA)
- U.S. Secret Service (USSS)
- Countering Weapons of Mass Destruction Office (CWMD)
- First Responders



Small Business Innovation Research

A three-phase competitive award system that provides qualified small business concerns with opportunities to propose innovative ideas that meet specific homeland security research and development technology needs.

- ◆ Non-dilutive development funding with SBIR data rights
- ◆ 500 employees or less
- ◆ U.S. small businesses

DHS SBIR PROGRAM PHASES

PHASE 0 | Education and Support

- Free for all potential offerors
- Assists in understanding program purpose, process, and goals
- Proposal development best practices and submission guidance
- Increase awareness of support resources

PHASE I | Proof of Concept

- Typically \$175,000 threshold
- Funded with SBIR dollars
- 2/3 of work must be performed by the small business
- All work must be performed in the U.S.
- Typically 5 months in duration
- Up to an additional \$6,500 may be provided for Technical and Business Assistance (TABAs)
- Opportunity for DHS/NSF I-Corps Program at \$50K

PHASE II | Prototype Demonstration

- Typically \$1,000,000 to \$1,500,000 threshold
- Funded with SBIR dollars
- 50% of work must be performed by the small business
- Typically 24 to 36 months in duration
- All work must be performed in the U.S.
- \$50k may be proposed for TABAs (inclusive of threshold)
- Potential for Commercialization Readiness Program funds

PHASE III | Commercialization

- Funded with non-SBIR dollars
- No dollar or time limits
- SBIR small business size requirements do not apply
- Work must derive from, extend, or complete Phase I or II effort
- Can be directed award; competition satisfied in Phase I & II

Important dates

Pre-solicitation

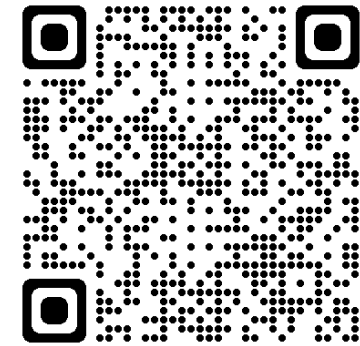
- November 13, 2024 – December 11, 2024
- December 11, 2024 – Last day to submit questions

View the SBIR portal at:

<https://sbir.dhs.gov/sbir/public>

Solicitation **Estimated**

- December 17, 2024 – Solicitation released
- January 10, 2025 – Q&A Posted
- January 21, 2025 – Solicitation Closes: 1:00 p.m. ET



25.1 Pre-solicitation Topics

View the topics:

<https://bit.ly/SBIR25-1Pre>



DHS251-001 - Fentanyl Attribution Forensics/Source Profiling

DHS251-002 - Enabling Data Analysis, Situational Awareness and Cyber Security for NG911 Public Safety Answering Points (PSAP)

DHS251-003 - On-Person Screening Stream of Commerce Analysis Tool

DHS251-004 - Securing Video Communications to Prevent Digital Injection Attacks

DHS251-005 - Wired Interconnection Cable/Adapter from Mobile Device to Biometric Collection

Engaging Innovators - Phase 0 Program

A fundamental goal of the SBIR program is to foster and encourage participation in innovation and entrepreneurship by women and socially or economically disadvantaged persons. To further our efforts, DHS SBIR established the Phase 0 program.

Phase 0 Goals

- ❑ Encouraging new applicants from under-served communities
- ❑ Identify existing resources and organizations
- ❑ Providing DHS Mission and SBIR Program education
- ❑ Increasing awareness of tools and services



Other SBIR Opportunities

Innovation Corps (I-Corps)

- ❑ Six-week “Commercialization Bootcamp” managed by National Science Foundation
- ❑ Businesses learn their customer base needs
- ❑ DHS funds a limited number of SBIR Awardees to participate every year
- ❑ DHS provides funding to help costs

Commercialization Assistance Marketplace (CAM) Program

- ❑ Offered to all Phase II Awardees
- ❑ Assess needs to help the company move forward towards successful commercialization
- ❑ Provide support for market research, strategic planning, and other

Commercialization Readiness Pilot Program (CRPP)

- ❑ Must derive from a completed or nearly completed DHS SBIR Phase II, be a promising technology with clear technology path, and be ready for testing
- ❑ Typically, \$200K-\$500K and up to 12-month effort to test Phase II prototype results with the focus of raising its Technology Readiness Level (TRL)
- ❑ Funds help address transition issues

Other Agency Technology Solutions (OATS)

- ❑ SBIR Policy allows federal agencies to award subsequent Phase IIs from other federal agencies’ Phase I or Phase II
- ❑ DHS OATS was established in 2015 to leverage the SBIR investment of other agencies that can satisfy DHS mission needs
- ❑ Typically, about four per year

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 **STSBIR.Program@hq.dhs.gov**



Deconstructing SBIR Video Series

<http://bit.ly/DeconstructingSBIR>



SBIR Portal

<https://sbir.dhs.gov>



SBIR Success Stories

www.dhs.gov/science-and-technology/sbir-success-stories

**Check out S&T's
Partnership Guide!**



<https://bit.ly/STPartnerGuide>



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