

# ***Chemical and Biological Defense (CBD)***

***Small Business Innovation Research (SBIR)/  
Small Business Technology Transfer (STTR)***

***at The Joint Science and Technology Office  
for Chemical and Biological Defense (JSTO-CBD)***

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# So What's This "CBD" All About?





# Technology Areas of Interest

- BLUF: Very niche specific technology requirements
- Physical Science & Technology
  - Detection
    - Point Detection
    - Standoff Detection
  - Individual Protection
  - Collective Protection
  - Hazard Mitigation (e.g., Decontamination)



# Technology Areas of Interest (cont'd)

- **Medical Science & Technology**
  - Vaccines/Pre-treatments
  - Biological Countermeasures (Therapeutics primarily targeting CDC Category A&B pathogens)
  - Chemical Countermeasures (Therapeutics primarily targeting nerve agents, vesicants, and select Toxic Industrial Chemicals)
  - Medical Diagnostics
- **Digital Battlespace Management**
  - Modeling & Simulation
  - Data Fusion
  - Disease Surveillance
  - Health & Human Effects



# JSTO-CBD / CBD SBIR & STTR Programs

- **Topics**

- Average 8 new SBIR topics annually and 1 new STTR topic every other year;
- CBD SBIR: FY20.2 / CBD STTR: FY20.A

- **Proposal Selection**

- Phase I: 2 - 4 awards per topic; average 3 Phase I projects
- Phase II: ~50% of Phase I projects transition to a Phase II project award



# JSTO-CBD / CBD SBIR & STTR Programs

- **Contract Awards**

- Phase I: up to \$167,500 per award; 6-month Period of Performance (no option period)
- Phase II: up to \$1.1M per award (beginning FY19); 24-month Period of Performance



# Finding the Topics

- At the release of each of three annual DoD SBIR & DoD STTR Announcements go to:

<https://sbir.defensebusiness.org> \*\*

- And click on 'Topics'
- Search by keyword or better yet, review all Topic Titles listed by each participating DoD Service/Agency ('Component')

**\*\* DoD SBIR/STTR website 'look & feel' will be changing later this calendar year**



# DoD SBIR/STTR Announcements

Dates established by Assistant Secretary of Defense/Research & Engineering (ASD R&E); not all DoD Components participate in each Announcement

Solicitation SBIR / STTR	Pre-Release	Open	Close *
FY19.3 / FY19.C	23 Aug 2019	24 Sep 2019	23 Oct 2019
FY20.1 / FY20.A	26 Nov 2019	8 Jan 2020	12 Feb 2020
FY20.2 / FY20.B	22 Apr 2020	30 May 2020	17 Jun 2020

\* All proposals due No Later Than 8:00pm Eastern Time for all DoD SBIR and STTR Announcements

**DoD SBIR/STTR proposal submission site changing for FY20.1/FY20.A and beyond**

**ALL INFORMATION (dates, etc.) SUBJECT TO CHANGE!**





# Technical Questions About Topics?

- **Direct Contact with Topic Authors**
  - During **Pre-Release**, the names of the topic authors, phone numbers and e-mail addresses are listed with the topic
  - Questions are be limited to specific information related to a particular topic's requirements
  - Offerors may not ask for advice or guidance on solution approach, nor submit additional material to the topic author
- **SBIR/STTR Interactive Topic Information System (SITIS)**
  - <http://sbir.defensebusiness.org/sitis>
  - After Solicitation '**Opens**', offerors must submit written questions through SITIS; no direct contact with Topic Authors are allowed
  - Questioner and Government respondent remain anonymous and all questions and answers are posted electronically for general viewing



# SBIR/STTR On-Line Tutorials

→ 55 Courses including:

- Agency overviews
- Program basics
- Data rights
- IP protection

[www.sbir.gov/tutorials](http://www.sbir.gov/tutorials)

**COURSE 4**  
**FINDING TOPICS**

**TUTORIAL 1**  
**HOW DO I FIND THE APPROPRIATE TOPIC?**

[Back to Tutorials](#)

**FORMATS**

- ▶ Audio/Video
- ▶ **Multimedia**
- ▶ PDF

**TOOLS**

- Glossary
- 🔗 Links
- 🎯 Quiz

◀ Hide Options

If you want to submit an SBIR/STTR proposal, you must first find a relevant topic at one of the participating agencies. The SBIR/STTR programs do not accept "unsolicited proposals," but instead require that you respond to one of their current topics, even if they are very broad like topics found at many of the agencies that make their SBIR/STTR awards as grants vs. contracts. All of the agencies list their topics in their solicitation or Funding Opportunity Announcement (FOA). The only exception is the Department of Energy which publishes a separate topic list several weeks before it releases its FOA.

In the early days of SBIR/STTR, you had to read a paper copy of the solicitation from beginning to end to see if there were any relevant topics. Now that the solicitations are all distributed electronically, it is much faster, easier, and more productive to find topics by using search engines. You type in your key word(s), and the search engine goes through the currently open topics (or, at your option, topics that closed in the recent past) and tells you which topics contain your key word(s).

**SBIR/STTR TOPIC SEARCH ENGINES**



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