



U.S. ARMY

**SBIR|STTR**

## Army Technology Areas of Interest

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*Science Integration Officer, DEVCOM ARL Army Research Office*



**U.S. ARMY**



# SMALL BUSINESS **IGNITING** BIG INNOVATION

The Army SBIR|STTR Programs align innovative small businesses with critical U.S. Army priorities to deliver game-changing solutions for our most important customer — the Soldier.

## *Innovation Through Collaboration*

- Break down barriers to working with the Army.
- Stimulate technological innovation.
- Partner with small businesses to meet Army research and development needs.
- Connect awardees with subject-matter experts to guide technology maturation.

# ARMY MODERNIZATION PRIORITIES



Long Range  
Precision Fires



Next Generation  
Combat Vehicles



Future Vertical Lift



Network



Assured Positioning  
Navigation and  
Timing/Space



Air and  
Missile Defense



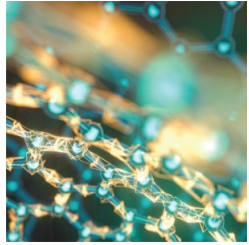
Soldier  
Lethality



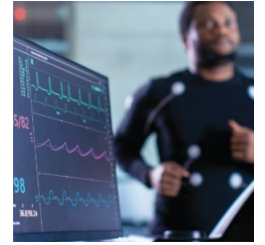
Synthetic Training  
Environment



# PRIORITY RESEARCH AREAS



- Disruptive Energetics: Greater than 2x energetic energy over smaller footprints.
- RF Electronic Materials: Taking advantage of optical and thermal properties of diamond materials for directed energy.
- Quantum: Optimized information transfer, sensing, and communication with unparalleled security.



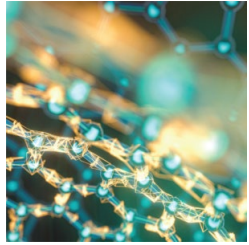
- Hypersonic Flight: Aerodynamics, materials, and processes.
- Artificial Intelligence: Increasing speed and agility in which we respond to emerging threats.
- Autonomy: Maneuverability and off-road mobility of platforms.
- Synthetic Biology: Reactive and responsive skins/spectrally selective materials/antimateriel properties.



- Material by Design: Protection overmatch against future threats.
- Science of Additive Manufacturing: For next generation munitions for increased range and lethality.



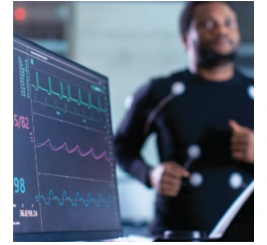
# TECHNOLOGY AREAS OF INTEREST



- Advanced Materials and Manufacturing
- Artificial Intelligence and Machine Learning
- Autonomy
- Chemical and Biological
- Cyber
- Electronics
- Electronic Warfare



- Human Performance
- Immersive
- Network Technologies
- Position, Navigation and Timing
- Power
- Sensors
- Software Modernization
- Weapons Systems



# RESOURCES AND CONTACTS

## Army SBIR/STTR Program Public Website:

<https://www.armysbir.army.mil>

- Provides general information about the programs
- Provides links to other DoD resources

## Army Office of Small Business Programs:

<https://osbp.army.mil>

- Provides information about how to work with the Army and different small business programs
- Provides links to the U.S. Army Buying Commands

## EMAIL US!

Army SBIR: [usarmy.pentagon.hqda-asalt.alt.mbx.army-applied-sbir-program@army.mil](mailto:usarmy.pentagon.hqda-asalt.alt.mbx.army-applied-sbir-program@army.mil)

## EMAIL US!

Army STTR: [usarmy.rtp.devcom-arl.mbx.sttr-pmo@army.mil](mailto:usarmy.rtp.devcom-arl.mbx.sttr-pmo@army.mil)





U.S. ARMY

# SBIR|STTR

## Program Overview

*Tylar Temple*  
*Program Manager*  
*Army Small Business Technology Transfer (STTR)*

30 August 2023



# SMALL BUSINESS **IGNITING** BIG INNOVATION

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# Army SBIR and STTR Overview



PHASE I

It starts with a feasibility study



PHASE II

That becomes a prototype



PHASE III

To transition into the hands of the Soldier



# ROAD TO CONTRACT

## PATHWAY TO CONTRACT

There are two ways to enter the Army Applied SBIR Program:

- Phase I: Up to \$250K for a 3-6-month period of performance; intended for concept development
- Direct to Phase II: Up to \$1.7M\* for a 12-24-month period of performance; intended for prototyping

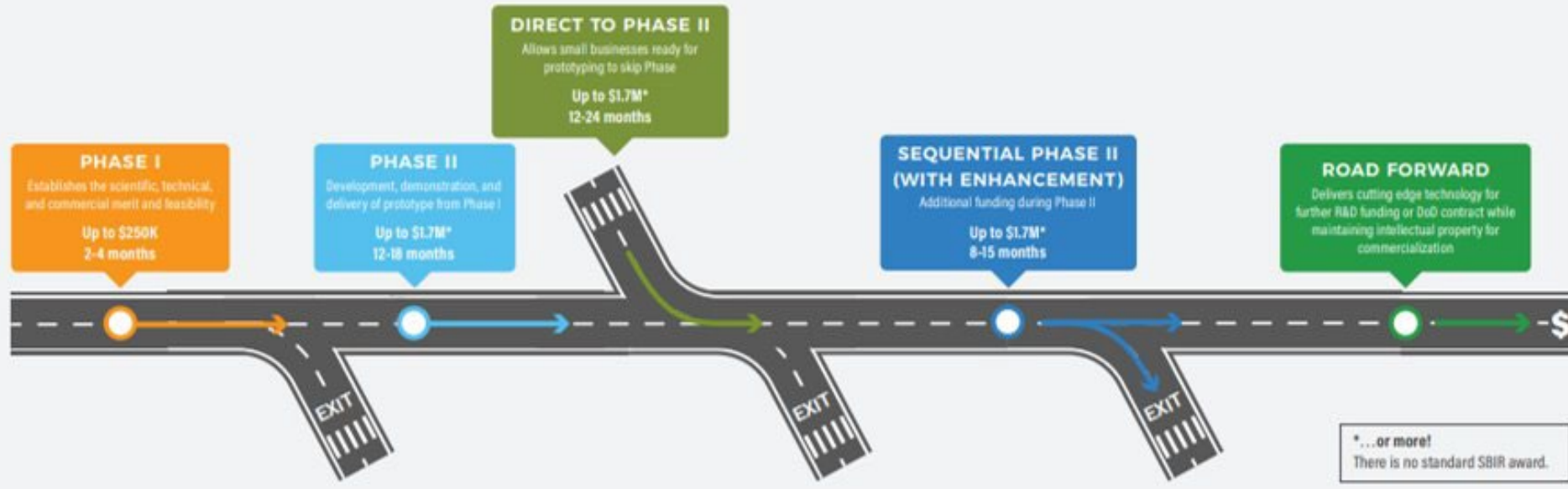
## ELIGIBILITY

Any firm that meets the following criteria:

- U.S.-based, for-profit business with 500 or fewer employees
- More than 50 percent of the principal investigator's work must be with the SBIR-awarded small business

## ROAD FORWARD

- Successful technologies from Phase II are considered for follow-on R&D and acquisition-contracts on a non-compete basis.
- Sales to government do not preclude private market commercialization as companies retain intellectual property rights



# ONLINE RESOURCES

Army SBIR|STTR Program Public Website <https://www.armysbir.army.mil/>

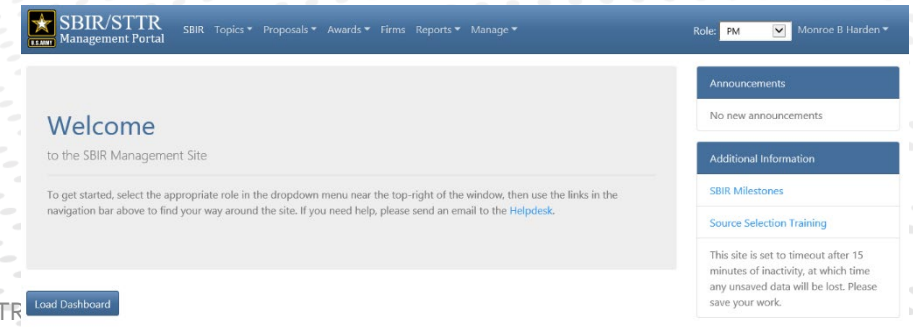
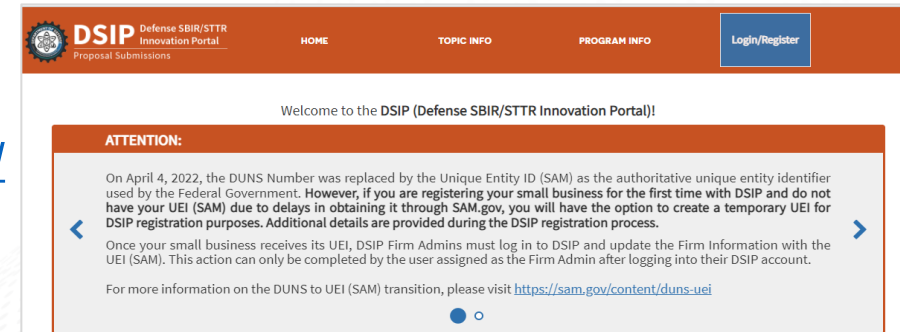
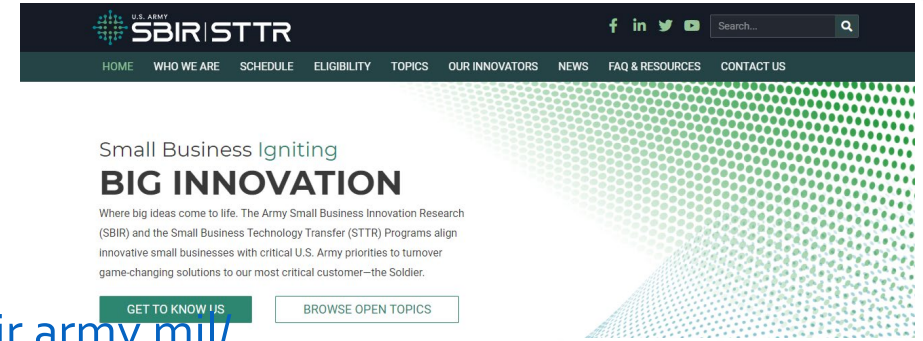
- Open topics, contract and schedule info
- FAQs and links to DoD resources

Defense SBIR/STTR Innovation Portal <https://www.dodsbirsttr.mil/>

- Active BAAs and topics

Army SBIR/STTR Management Portal <https://sbir.army.mil/> (CAC-enabled)

- All program management activities and data
- Ability to conduct searches and queries



# WORK WITH US

Visit [armysbir.army.mil](https://armysbir.army.mil) to learn more about:

- The Army SBIR|STTR Programs
- Current Opportunities
- Contact us with questions

Email the Army STTR mailbox:

- [usarmy.rtp.devcom-arl.mbx.sttr-pmo@army.mil](mailto:usarmy.rtp.devcom-arl.mbx.sttr-pmo@army.mil)

