



AFWERX  
**AFVENTURES**  
**Defense Focused Topics:**  
**An Overview**

**Ms. Anissa Lumpkin**  
**Program Manager**  
**AFVentures Engagement Team Member**  
**AFRL Small Business Office**

# Overview

- **Defense Focused vs Open Innovation Topics**
- **Upcoming Solicitation Schedule**
- **Resource Links**



# AF SBIR/STTR

## An Overview

### Small Business Innovation Research (SBIR)

- Established by Congress in the 1980s
- Goal to identify small businesses that could provide a solution to the warfighter in a faster, more efficient manner than was presently available

### Small Business Technology Transfer (STTR) Established in 1992

- Stimulate partnership and collaboration of ideas and technologies between innovative small businesses and nonprofit U.S. research institutions
- The focus is projects with the potential to develop into a product or service beneficial for military and/or commercial sectors

# Eligibility

## SBIR – Small Business Innovation Research

- United States-based Small Business Concern (SBC)
- For Profit Small Business
- 500 or less employees

## STTR – Small Business Technology Transfer

- Research & Development Partnership between a Small Business Concern (SBC) and Research Institution (RI)
- SBC must be:
  - United States-based
  - For Profit
  - 500 or less employees
- RI must be:
  - United States Based
  - Non-Profit College or University
  - Federally Funded Research and Development Centers

# Defense Focused vs. Open Innovation Topics

## Defense Focused Topics

- Topics seek innovative solution to a specific problem
- Phase I: NTE \$150K (9 Months) → Feasibility Study
- AFRL & PEO evaluate/select Phase I proposals (2 per topic)
- Phase II: \$750K (27 Months) NTE \$1.5M or D2P2 up to \$1.6M
- AFRL & PEO evaluate/select Phase II (1 per topic)
- AFRL TPOC manages Phase I & II contracts
- Letters of support from customer highly encouraged
- Company's business plan "Relatively" important

## Open Innovation Topics

- Looking for non-defense commercial solutions to adapt to meet AF needs
- Phase I: NTE \$50K (3 Months) – Customer Discovery → 5 Page Tech Volume
- AFWERX evaluates/selects/manages Phase I proposals (multiple)
- Phase II: NTE \$1.5M (NTE 27 Months) → 15 Page Tech Volume
- Stakeholders review/evaluate/select proposals
- Non-AFRL (PEO) Centers manage awards
- MOU and customer funding commitment required
- Company's business plan "Extremely" important

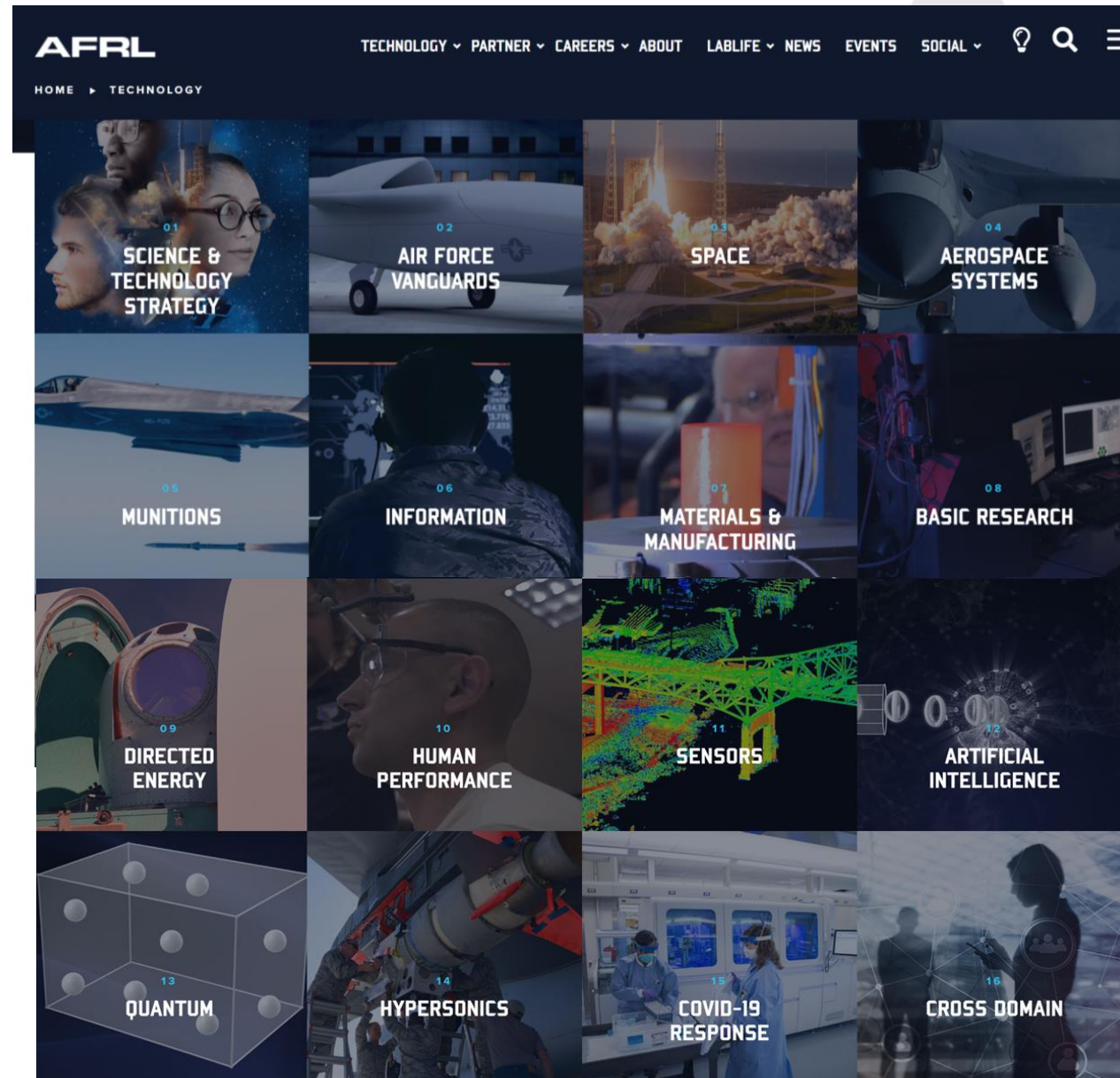
# Defense Focused Topics: Roles and Responsibilities

- **Air Force Research Laboratory Technical Directorates are responsible for the contract execution process:**
  - Evaluators to conduct evaluations
  - Contracting Support
  - Phase II RFPs
  - Selection and Non-Select Funding Notifications
- **Topic Author:** The Topic Author writes and develops the topic. This maybe a person or a group of people, depending on the organization.
- **Topic Owner:** The Topic Owner (Chief Scientist) provides budget and oversight authority on all SBIR/STTR topics within their organization.
- **SBIR/STTR Program Managers:** The PMs of each organization serve as the coordinators and liaisons between AFRL/RGB and the Topic Authors/Topic Owners.

# Research Areas

<https://afresearchlab.com/technology/>

SCIENCE & TECHNOLOGY STRATEGY
AIR FORCE VANGUARDS
AEROSPACE SYSTEMS
INFORMATION
MUNITIONS
MATERIALS & MANUFACTURING
DIRECTED ENERGY
SPACE
HUMAN PERFORMANCE
SENSORS
ARTIFICIAL INTELLIGENCE
QUANTUM
HYPERSONICS
BASIC RESEARCH



AFWERX  
ADVENTURES

# Active Solicitation Schedules (subject to change)

## 2021

FY	DoD BAA Cycle	BAA			Selections Due	Awards Due
		Pre-Release	Open	Close	*(90 days after closing date)	(180 days after Closing date)
2021	X20.1 , X20.A , X21.1 , X21.A					
2021	X21.2 , X21.B , 21.2 , 21.B , X21.3 , X21.C , 21.3 , 21.C , X22.1 , X22.A , 22.1 , 22.A , X22.2 , X22.B , 22.2 , 22.B , X22.3 , X22.C , 22.3 , 22.C					
2021	SBIR 21.1 and STTR 21.A	24-Nov-20	6-Jan-21	10-Feb-21	11-May-21	9-Aug-21
2021	SBIR 21.2 and STTR 21.B	21-Apr-21	19-May-21	17-Jun-21	15-Sep-21	14-Dec-21
2021	SBIR 21.3 and STTR 21.C	25-Aug-21	23-Sep-21	22-Oct-21	20-Jan-22	20-Apr-22

## 2022

FY	DoD BAA Cycle	BAA			Selections Due	Awards Due
		Pre-Release	Open	Close	*(90 days after closing date)	(180 days after Closing date)
2022	SBIR 22.1 and STTR 22.A	23-Nov-21	5-Jan-22	10-Feb-22	11-May-22	9-Aug-22
2022	SBIR 22.2 and STTR 22.B	19-Apr-22	17-May-22	15-Jun-22	13-Sep-22	12-Dec-22
2022	SBIR 22.3 and STTR 22.C	23-Aug-22	21-Sep-22	20-Oct-22	18-Jan-23	18-Apr-23

<https://www.dodsbirsttr.mil/submissions/login>





ΛFWERX  
ΛFVENTURES

**Questions?**

Please type your questions in the Q&A section