



# U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT COMMAND – ARMY RESEARCH LABORATORY

## *Army STTR 21.C BAA Industry Day Program Overview*

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Approved for Public  
Release



# IMPORTANT NOTICE



**The DoD 21.C Broad Agency Announcement (BAA) takes precedence over any information presented today**

**<https://www.dodsbirsttr.mil/submissions/baa-schedule/active-baa-announcements>**



# STTR PROGRAM PURPOSE & BUDGET






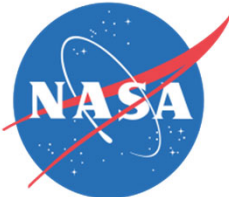

- ✓ Statutory purpose: “Stimulate a **partnership** between innovative **Small Business Concerns (SBCs)** and **Research Institutions** through Federally-funded research and development
- ✓ ...and assist the small business and research institution communities by commercializing innovative technologies.”
- ✓ **“Operationalize Science for Transformational Overmatch”**
- ✓ Law requires each federal agency with an extramural budget for R&D >\$1B to **set-aside 0.45%**. For Army, **FY21 STTR Budget = \$45.6M**



# FEDERAL AND DOD STTR PARTICIPANTS



## Federal STTR Programs

 Dept. of Defense	 Dept. of Health and Human Services	 Dept. of Energy
 National Aeronautics and Space Administration	 National Science Foundation	

## DoD STTR Programs

 Army	 Navy	 Air Force	 Defense Health Agency	 Joint Science & Technology Office CBD
 Missile Defense Agency	 Under Secretary of Defense (Research & Engineering)	 Defense Advanced Research Projects Agency		



# ARMY STTR PROGRAM STRUCTURE



- 1 Phase I cycle per year (For FY21, DoD BAA 21.C)
- 1 Phase II cycle per year
- BAA includes topic listing, proposal format, and submission instructions
- Three-Phase Implementation
  - *Phase I: 6-month, \$173,000 max contract*
  - *Phase II: 2-year, \$1,150,000 max contract*
  - *Phase III: Unlimited time and size, but funds cannot come from STTR budget*
- Work must be performed in the U.S.



# STTR ELIGIBILITY CRITERIA



**Applicant is majority U.S.-owned, for profit Small Business Concern (500 or fewer employees)**



**Formal Cooperative R&D Effort**

- Minimum **40%** by small business
- Minimum **30%** by U.S. research institution



**U.S. Research Institution**

- College or university, other nonprofit research institution, or Contractor-operated Federally-funded R&D Center



**Intellectual Property Agreement**

- Allocation of rights in IP and rights to carry out follow-on R&D and commercialization

**Award is always made to the Small Business Concern (SBC)**



# SBIR/STTR CRITICAL DIFFERENCES



## Research Partner

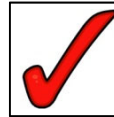


**SBIR:** Permits partnering 33% Phase I and 50% Phase II

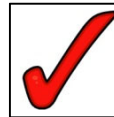


**STTR:** *Requires* partnering with research institution.

## Principal Investigator (PI)



**SBIR:** Primary (>50%) employment must be with small business concern



**STTR:** may be employed by *either* research institution (RI) or SBC, **but...**

**Primary employment (greater than 50% of PI time) must be with the SBC or RI at time of award and during project.**

**The Small Business Concern, not the partnering Research Institution, exercises management direction and control of the performance of the STTR Funding Agreement.**



## ARMY 21.C BAA SNAPSHOT



- DoD 21.C STTR BAA Solicitation Key Dates
  - *Topic Pre-Release: 25 August 2021 (SITIS Q&A Available)*
  - *Industry Days: 1 & 2 September 2021*
  - *Proposal Submission Open: 21 September 2021*
  - *SITIS Q&A Close: 7 October 2021*
  - *BAA/Proposal Submission Close: 21 October 2021*
  
- Army 21.C BAA Summary
  - Features 26 topics from Army labs, centers and commands
  - Many topics support DEVCOM ARL Essential Research Programs (ERPs)
  - Topics support innovation underpinning one or more Army Modernization Priority
    - Long-Range Precision Fires, Future Vertical Lift, Air and Missile Defense
    - Command and Control/Networks, Next Generation Combat Vehicles
    - Soldier Lethality





# ARMY STTR PARTICIPATING ORGANIZATIONS



## U.S. Army Combat Capabilities Development Command (DEVCOM)



Army Research Laboratory



Chemical Biological Center



Armaments Center



Ground Vehicle Systems Center



Aviation and Missile Center



Soldier Center



Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance and Reconnaissance Center



**U.S. Army Medical Research and Development Command**



**U.S. Army Corps of Engineers  
Engineer Research and Development Center**



## THOUGHTS & RECOMMENDATIONS



- We need you!
- Take advantage of this Industry Day venue
  - *Engage in topic breakouts*
  - *Network*
  - *Find a SBC/RI partner*
  - *Ask questions*
- Read the BAA
- Submit a proposal!