



24.B Topic Preview

Guidance on finding your partners for the Upcoming 24.B Solicitation

Housekeeping

Guide to Airmeet, Events, and Key Resources



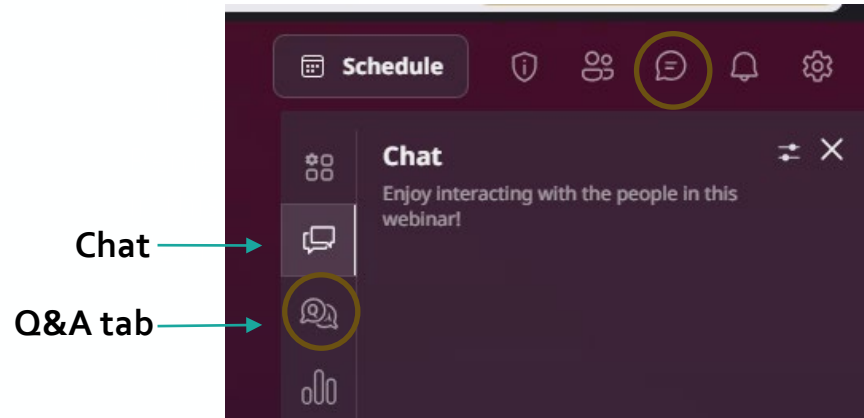
Hello!

Matthew Bigman

Welcome to the Webinar

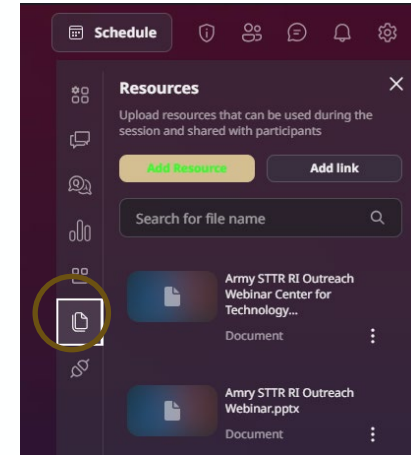
Objectives:

- Get a brief introduction to the Army STTR program
 - Suggestions and upcoming resources for finding Small Business Partners and having a smooth 24.B solicitation
 - Resources for Research Institutions and their partners
- Submit questions in our Q&A tab on the right side
 - Feel free to use the chat or search bars to find networking partners



Resources

- Slides are available in the resources tab to the right
- Visit [Armysttr.com](https://armysttr.com) for our mailing list and the latest updates
 - Early Topic Preview and RI Connections
 - Links to the BAA Submission portal and other resources
 - Success Stories and Previous Winner Information
 - Previous event recordings, interviews, and slides
- **Please note that this is general information about Phase I proposals, and is not meant to replace the guidance in the official DoD 24.B BAA**
 - Visit The Broad Agency Announcement (BAA) Page for release and final details <https://www.dodsbirsttr.mil/submissions/baa-schedule/active-baa-announcements>



Success Stories

Below are success stories from just a few of the Army's outstanding previous STTR awardees.

DeepRadio: Deep Learning for Wireless Communications and Security

Intelligent Automation, Inc. (IAI) developed DeepRadio technology as an embedded implementation of deep neural networks as a stand-alone chaoticwide radio frequency (RF) spectrum environment in real-time spectrum dynamics. DeepRadio uses deep learning to detect and classify...



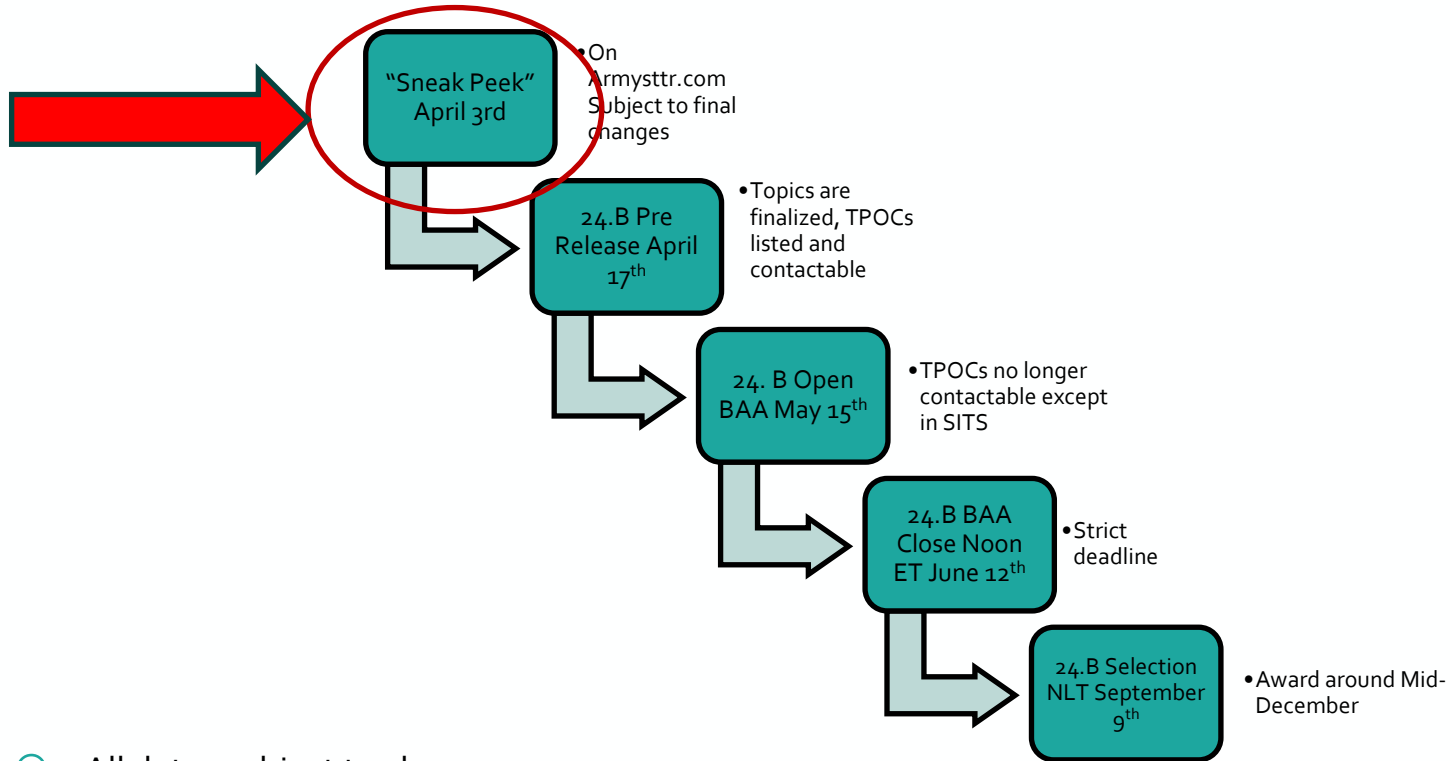
Official STTR Program Inquires

- General BAA Questions:
 - DoD Wide Information: <https://www.dodsbirsttr.mil/submissions/learning-support/faqs>
 - Army Instructions:
 - usarmy.rtp.devcom-arl.mbx.sttr-pmo@army.mil
 - 919-549-4200
- General STTR Program Questions:
 - Program Wide Information <https://www.sbir.gov/tutorials>
 - Army Specific:
 - www.armysttr.com
 - usarmy.rtp.devcom-arl.mbx.sttr-pmo@army.mil
 - 919-549-4200
- DoD SBIR/STTR Website:
 - DoD Submission Site
 - <https://www.dodsbirsttr.mil>
 - Technical Issues
 - DoDSBIRSupport@reisystems.com

24.B Topic preview

What is Army STTR?

Army STTR Schedule Overview



○ All dates subject to change

20 Topics

A24B-T001	Hexavalent Chrome Replacement for Small Caliber Barrels
A24B-T002	Zernike Polynomials via Phase Recovery
A24B-T003	High Reflector Microstructure for 1 Micron Continuous Wave Light and Mid to Long Wave Transmission
A24B-T004	Metamaterials Based on Magnetic Shape Anisotropy for K-band Microwave Applications
A24B-T005	Aluminum Nitride-Based Monolithic Microwave Integrated Circuits
A24B-T006	Fast Charge Silicon Anode Lithium-Ion Cells for Small UAS Systems
A24B-T007	Multicomponent Reduced Order Modeling of Hypersonic Boundary Layers
A24B-T008	Modeling Tools for Army Vehicle (tanks and rotorcraft) Mobility Applications
A24B-T009	High Throughput, High Temperature Mechanical Test Platform
A24B-T010	Leveraging Advanced Computation to better employ Additive Manufacturing
A24B-T011	Efficient Red Micro-LEDs with Pixel Size < 5 Microns for Next-Generation Displays and Visible Light Communication Systems
A24B-T012	Engineered Bolometer Leg Materials Towards Physics-Limited Thermal Infrared Imaging Arrays
A24B-T013	Underlay Communications with Wide SINR Range
A24B-T014	Phase Change Materials for Enhanced Warfighter Survivability
A24B-T015	Distributed Multithreat Microsensor
A24B-T016	Standoff Detection of Hidden Objects and Personnel In and Around Foliage
A24B-T017	Arctic Small-Unmanned Aerial System Automatic Ground Control Point Processing for Terrain Modeling
A24B-T018	Biosynthetic PFAS Alternatives to Provide Omniphobicity
A24B-T019	Additive Manufacturing for Protective Eyewear
A24B-T020	Drone Swarm Detection Using Artificial Intelligence Based on Ultrafast Neural Networks

<https://www.armysttr.com/24b-topics-1-1>

- Topics List
- Description
- Technology Areas
- Objectives
- Description
- Phase Information
- ITAR Information
- References
- Keywords
- No TPOC information
- Not final until the official Pre-release
- *But*, topics unlikely to be added or see major changes



What now?

Find your Topic

- Read topics of interest
- Check references
- Consider objectives and Phase I description
- Figure out how you can fit the solution space
- Plan your questions

Find your Partner

- Reach to your contacts
- Figure out your gaps/pitch
- Network and research
- Plan your questions



RI Connections

- Coming online shortly
- Searchable list of Research Institutions interested in specific topics
- Form email contact
- Kickstart your search with new leads
- All Research Institutions manually verified for eligibility
- Regularly updated through the end of the BAA



https://www.armysttr.com/networking

Army STTR

[Home](#) [Process](#) [STTR Topics](#) [Success](#) [Events](#) [Submission](#) [Support](#) [Links](#) [Search](#) [in](#)

RI-SB Connection

Filter By:

Research Institution

Topic of Interest

Add Keyword

 **Reset All Filters**

Research Institution

Topic of Interest

Interest/Skills

Upcoming Events

Chances to learn more

Virtually Meet Partners

Micro-networking

Upcoming, mini webinars for virtual networking in common topic clusters.

15-minute overview, up to 30 minutes to network



April 24-25th

- All topics but T004/T014



The banner features a dark background with a golden-yellow light streak effect. At the top, the DEVCOM logo (a stylized 'D' in a square) is on the left, and the VT-ARC logo (the letters 'VT-ARC' with a blue and red swoosh) is on the right. Below these logos, the text 'Army Research Laboratory' and 'Virginia Tech Applied Research Corporation' is centered. At the bottom, the main title 'ARL STTR Industry Day' is written in large, bold, yellow letters.

DEVCOM VT-ARC

Army Research Laboratory
Virginia Tech Applied Research Corporation

ARL STTR Industry Day

Other upcoming events

- Contracting Help
- Administrative Advice
- Success Stories
- Phase II Planning



Basic STTR Partnering Requirements

- The **small business** performs at least 40% of the work, and the **partner Research institutions** at least 30%
 - Remaining work may be done by either party or outsourced
- The **small business** is the prime, must register at sma.gov and have a CAGE code for DSIP
- The **small business** must be over 50% US-citizen-owned or permanent resident aliens (or Native-tribe-owned), and the RI should be a US based institution (also a joint venture rules)
- For an STTR award, the SBC and RI must, prior to award, sign an intellectual property agreement identifying the sharing of rights to data
- **Research institutions** can be the following:
 - US Nonprofit college or university
 - Domestic nonprofit scientific/research organization
 - Federally Funded R&D Centers (FFRDC, contractor operated)





Networking During our Virtual Events

- Check out profiles (and build your profile) of active participants
- Visit tables related to research/geographics matching your needs
- Use the chat and private messages to reach out to people
- Have a story and a pitch
- Ask promising leads for their contact information
- Plan some topical icebreakers Ex:
 - Which topics in this research area interest your team?
 - What did you think about topic author's (thoughts)?
 - What's something that surprised you about Army needs (relevant to the topic)?
 - What's your "moonshot" plan for this area/topic if you could do one?
 - What breakthrough would make this topic infinitely easier to address?
 - What excites you the most about this topic or area?
- **Let VT-ARC know what you need for better virtual networking in the post event Survey**

Next Steps

- Find a Topic that fits
- Sign up at Armysttr.com
- Get your SB Paperwork Done
- Watch Past Webinars
- Read past BAAs and solicitations
- Check out upcoming Army STTR events
- Prerelease April 17th
- Industry Day April 24/25
 - Micro Networking in-between the above
- Fill out the survey

THANK YOU FOR ATTENDING!

Please complete the event survey



<https://www.surveymonkey.com/r/DR6Q5R7>

Let us know how we can help you!



Sign up on Armysttr.com



www.Armysttr.com

Follow for upcoming events and information/updates for the 24.B cycle