

EVA Exploration Workshop 2020

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# **NASA's SBIR/STTR Program**



(DoC)

## Small Business Innovation Research (SBIR)

A set-aside program for small businesses to engage in Federal Research & Development (R&D)

## Small Business Technology Transfer (STTR)

A sister set-aside program to facilitate cooperative R&D between small businesses & U.S. research institutions





# **SBIR/STTR Program Goals**

# **Overall SBIR/STTR Goals**

- Stimulate technological innovation
- Meet Federal research and development needs
- Increase commercialization application of innovations
- Foster and encourage participation by:
  - Socially and economically disadvantaged persons &
  - Women-owned businesses

EVA Topic SBIR/STTR Goals
Address EVA Challenges
Fill EVA Technology & Knowledge Gaps







## **NASA SBIR/STTR PROCESS**





# SBIR/STTR EVA TOPIC AREA "SUCCESSES"



| Program | Phase l's | Phase II's | Phase II-E's | Phase II-X's | Phase II-S's | Phase III |
|---------|-----------|------------|--------------|--------------|--------------|-----------|
| SBIRs   | 2014 (1)  | 2018 (4)   | 2016 (2)     | 2014 (1)     |              | 2017 (1)  |
|         | 2018 (4)  |            |              | 2015 (2)     |              | 2018 (1)  |
|         | 2019 (5)  |            |              |              |              | 2019 (1)  |
|         |           |            |              |              |              |           |
| STTRs   |           | 2016 (1)   |              |              | 2019 (2)     |           |
|         |           | 2017 (1)   |              |              |              |           |
|         |           |            |              |              |              |           |

Total = 26 Contracts Value ~ > \$14M

# **SBIR Infusion Path**



# Vendor A Success Story (Long-Term)



# **SBIR Infusion Path**



# Vendor B Success Story (Short-Term)





# SBIR/STTR EVA TOPIC AREA "OPPORTUNITIES"





# https://sbir.gsfc.nasa.gov/

GO TO

# **NASA's SBIR/STTR Program**





# NASA SBIR AND STTR PROGRAM 2020





#### HOME ABOUT SBIR/STTR - SOLICITATIONS SCHEDULE & AWARDS - HANDBOOKS - RESOURCES - CONTACT US





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# **Three Specific SBIR Subtopic Opportunities**







# SBIR/STTR EVA TOPIC AREA "PATHWAYS"





## **NASA SBIR/STTR PROCESS**



# Schedule (2020-2023 Pathway)



### xEMU Project Schedule ~ 3.5 years





# **Tips for Success (cont.)**



• Visit the SBIR/STTR Website regularly

https://sbir.gsfc.nasa.gov/

# Attend workshops and conferences

- International Conference on Environmental Systems (ICES) <u>https://www.ices.space/</u>
- SBIR/STTR Industry Day
- EVA Workshop
- Subscribe to the SBIR/STTR News
- Get familiar with 2020 Technology Taxonomy

(Replaces NASA Technology Roadmaps) https://www.nasa.gov/offices/oct/taxonomy/index.html



Figure 1. The second-level breakdown of the structure used in the 2020 Technology Taxonomy. This document contains details at the third level, with fourth-level technology examples provided in all cases.

# **Tips for success**

## **BE AWARE!!!**

# • If you win a SBIR/STTR contract

- Deliver all products on time or ahead of schedule
- Hardware, testing, and data is good in Phase I's and Phase II's.
- Communicate, Communicate, Communicate with your Contracting Officer Representative
- READ, READ, READ your contract
  - There are deadlines for Post Phase II Opportunities
- READ, READ, READ your SBIR/STTR Emails
  - New opportunities may present themselves this way

## • Avoid Black-Out: Be cautious during Phase I Solicitations

- Once proposal period starts, the black-out period begins
- Discussions on specific subtopics are no longer allowed
- If you have a good idea or potential solutions to any of the technology needs/gaps, we want to hear about it!





# **Points of Contact**



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![](_page_21_Picture_2.jpeg)