VISION
Empower small businesses to deliver technological innovation that contributes to NASA’s missions, provides societal benefit, and grows the US economy.

MISSION
Create opportunities through SBIR/STTR awards to leverage small business knowledge and technology development for maximum impact and contribution.
SBIR/STTR Program Structure

NASA SBIR/STTR PROCESS

PHASE I
IDEA GENERATION

$125,000
SBIR 6 MONTHS
STTR 13 MONTHS

PHASE II
PROTOTYPE DEVELOPMENT

$750,000
24 MONTHS

PHASE III
INFUSION/COMMERCIALIZATION

NON-SBIR FUNDING

I-CORPS

PHASE II-E
UP TO $375,000 FUNDING
6-TO-12 MONTH EXTENSION UNDER A MATCHING FUND ARRANGEMENT

Go to sbir.nasa.gov/guide for details
Small Business Technology Transfer (STTR)

- Modeled after the SBIR program, STTR was established as a pilot program by the Small Business Technology Transfer Act of 1992 (Public Law 102-564, Title II).

- STTR facilitates a cooperative agreement for federally funded R&D between small business concerns and U.S. research institutions – with potential for commercialization.

- Currently, 0.45% of the extramural research budget for all agencies with a budget greater than $1B per year (5 federal agencies presently participate).

- STTR also adheres to SBA directives to increase participation by Women-Owned, Veteran-Owned and Small Disadvantaged Businesses and outreach to HBCUs and Minority Serving Institutions. Outreach is also made to under represented areas/regions of the country.
Why Should You Participate in STTR?

For the Small Business Concerns

• Opportunity to leverage expertise and innovative ideas from Professors/Research Staff/Students
• Opportunity to leverage specialized facilities and experimental equipment at the Research Institutions (RIs) when often SBCs may not be able to afford such facilities on their own
• Opportunity to Create Pipeline of Usable Talent for Company from the RIs
• Develop working relationship & credibility with government R&D
• Fosters partnerships with large corporations and academia
• Provides recognition and visibility for your business
• Participation attracts venture capital and other funding sources

For the Research Institutions

• Opportunity to Create/Inspire Entrepreneurship as a vital part of the Educational Experience
• Another opportunity to access federal funding for research
• An opportunity sometimes to get RI Intellectual Property (IP) involved in the project and licensed
• Another means for visibility in the research community, generate peer-reviewed pubs., etc.
Agency SBIR / STTR Differences

**CONTRACTING AGENCIES**
- Agency establishes plans, protocols, requirements
- Highly focused topics
- **Procurement** mechanism for DOD and NASA
- More fiscal requirements

**GRANTING AGENCIES**
- Investigator initiates Approach
- Less-specified topics
- **Assistance** mechanism
- More flexibility

---

**NASA, DoD, HHS/NIH, ED, EPA, DOT, DOC**

**HHS/NIH, NSF, ED, USDA, DOE**
Patent Rights

• Small business concerns normally retain the principal worldwide patent rights to any invention developed with Government support

Government Use

• The Federal Government receives a royalty-free license for Federal Government use

U.S. Patent and Trade Office
http://www.uspto.gov/
Protection Period

• Data generated from your R/R&D is protected from public disclosure for a minimum of 4 years (civilian agencies) or 5 years (DOD) after the conclusion of your award (Phase I, Phase II, or federally funded Phase III)

Government Use

• The Government retains a royalty-free license for Government use of any technical data delivered under an SBIR award, whether patented or not
FY19 Phase I SBIR/STTR Awards Data Points

- 35% of applicants are new to the program
- 12% of the awards are first time winners
- 78% of firms have less than 26 employees
- 13% of firms have more than 51 employees
NSF Space Topic

• NSF is including a Space topic in its SBIR/STTR Program

• Given different program goals and criteria, it’s likely that one agency would be a much better fit for any specific project.

• Learn more about the differences between the NSF SBIR/STTR and NASA SBIR/STTR Programs at:

  https://sbir.gsfc.nasa.gov/content/nsf-sbirsttr-space-topic-what-you-need-know
Learning about NASA’s Needs

Focus Areas

NASA’s research subtopics are organized by “Focus Areas” that group interests and related technologies.

- Identify the Area(s) closest to your innovation/idea
- Go to our website to research
- Prepare to write a proposal tailored to NASA’s needs

https://sbir.nasa.gov/solicitations

<table>
<thead>
<tr>
<th>2019 Focus Areas (FA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FA 1: In-Space Propulsion Technologies</td>
</tr>
<tr>
<td>FA 2: Power Energy and Storage</td>
</tr>
<tr>
<td>FA 3: Autonomous Systems for Space Exploration</td>
</tr>
<tr>
<td>FA 4: Robotic Systems for Space Exploration</td>
</tr>
<tr>
<td>FA 5: Communications and Navigation</td>
</tr>
<tr>
<td>FA 6: Life Support and Habitation Systems</td>
</tr>
<tr>
<td>FA 7: Human Research and Health Maintenance</td>
</tr>
<tr>
<td>FA 8: In-Situ Resource Utilization</td>
</tr>
<tr>
<td>FA 9: Sensors, Detectors and Instruments</td>
</tr>
<tr>
<td>FA 10: Advanced Telescope Technologies</td>
</tr>
<tr>
<td>FA 11: Spacecraft and Platform Subsystems</td>
</tr>
<tr>
<td>FA 12: Entry, Descent and Landing Systems</td>
</tr>
<tr>
<td>FA 13: Information Technologies for Science Data</td>
</tr>
<tr>
<td>FA 14: In-Space and Advanced Manufacturing</td>
</tr>
<tr>
<td>FA 15: Materials, Materials Research, Structures, and Assembly</td>
</tr>
<tr>
<td>FA 16: Ground and Launch Processing</td>
</tr>
<tr>
<td>FA 17: Thermal Management Systems</td>
</tr>
<tr>
<td>FA 18: Air Vehicle Technology</td>
</tr>
<tr>
<td>FA 19: Integrated Flight Systems</td>
</tr>
<tr>
<td>FA 20: Airspace Operations and Safety</td>
</tr>
<tr>
<td>FA 21: Small Spacecraft Technologies</td>
</tr>
<tr>
<td>FA 22: Low Earth Orbit Platform Utilization and Microgravity Research</td>
</tr>
<tr>
<td>FA 23: Digital Transformation for Aerospace</td>
</tr>
</tbody>
</table>
The NASA SBIR/STTR website is located at [https://sbir.nasa.gov](https://sbir.nasa.gov).

Research NASA’s Needs
Annual Solicitations including past years

Looking to Join the Program?
- Program Basics
- Forms Library
- Model Contract
- In-depth Training Resources and FAQs

Contact the Program
SBIR/STTR Helpdesk and Program Points of Contact
Checklist before Submitting Application

• Submit proposal prior to the deadline
• Perform the “Endorse Proposal” step, which is the final step in the submissions process
• Make sure you meet the format requirements (margin and font size, page limitation)
• Have the RI register correctly (STTR Requirement)
  • For STTR proposals the RI needs to endorse the Research Agreement prior to your proposal being complete and submitted
    • RI will need to create an account in the Proposal Submission EHB
    • register under your firm using your EIN, State, and PIN so they are attached to your proposal correctly
    • choose the RI option at the bottom of the page when entering their name, email, phone, etc.
https://innovation-opportunity-conference.com/
Contact us and let’s innovate together

Website
https://sbir.nasa.gov

Sign up for our Newsletter
https://sbir.nasa.gov/info

NASA Help Desk
301.937.0888