



SBIR Program Updates Relevant to the 2017 Solicitation

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JPL SBIR/STTR Technology Transition Lead

November 1-3, 2016



Jet Propulsion Laboratory
California Institute of Technology

Mirror Technology SBIR/STTR Workshop

Greenbelt, MD

Overview

- Solicitation Release Information
- Subtopic Workshop (Sept 12-13, 2016)
- Phase I and Phase II SBIR/STTR Statistics
- SBIR 2016 Road Tour
- SBIR Outreach Events
- 2017 Program Reauthorization
- Additional Information
- NASA and JPL SBIR/STTR Points of Contact

NASA SBIR/STTR Solicitation Releases

- 2016 Solicitation:
 - Released 11/12/2015 – Now Closed
- 2017 Solicitation:
 - Anticipate Presolicitation to be posted in FedBizOpps, late October.
 - **Anticipate 2017 Solicitation to be released by HQ in early to mid November 2016 at <http://sbir.nasa.gov>**
 - Until release, we are in the Open Period - but cannot disclose details of the upcoming 2017 Solicitation.
 - After release, the converse - 2017 Solicitation information will be public but we will be in the Blackout Period.
 - Reminder: During the Blackout Period we can discuss existing SBIR work as usual, and general NASA needs and interests not connected directly to the open Solicitation. However - we cannot provide companies with any additional details or clarification related to the open Solicitation.

Where to Find the 2017 Solicitation (November)

Will be posted at <http://sbir.nasa.gov/solicitations> and also linked to home page at <http://sbir.nasa.gov>
2016 version for reference:

The screenshot shows the NASA SBIR/STTR website. At the top is a navigation bar with links: HOME, ABOUT SBIR/STTR, SOLICITATIONS, SCHEDULE & AWARDS, HANDBOOKS, MULTIMEDIA, and CONTACT US. Below the navigation bar is a breadcrumb trail: Home >> Solicitations. The main heading is "Solicitations". A paragraph explains that SBIR and STTR solicitations are produced annually in partnership with NASA's Mission Directorates and Centers to focus on the Agency's priority mission needs. Below this, it states that open and previous solicitations are accessible below. The "RECENT" section features a large graphic for the "FY 2016 SBIR/STTR Solicitation". The graphic includes the NASA logo, the text "SBIR/STTR Program Solicitation", and the dates "Nov. 12, 2015 - Feb. 1, 2016". To the right of the graphic, the text reads: "FY 2016 SBIR/STTR Solicitation", "Open from November 12, 2015 to February 01, 2016", and "Selections announced on April 27, 2016". To the right of the "RECENT" section is a "Previous Solicitations" list, which includes links to solicitations from 2015 down to 2004. At the bottom of the page, there is a subscription prompt: "Subscribe to the NASA SBIR/STTR Newsletter, The Concept, to receive information on upcoming Solicitation dates and other NASA SBIR/STTR news."

HOME ABOUT SBIR/STTR SOLICITATIONS SCHEDULE & AWARDS HANDBOOKS MULTIMEDIA CONTACT US


Home >> Solicitations

Solicitations

The SBIR and STTR Solicitations are produced annually in partnership with NASA's Mission Directorates and Centers to focus on the Agency's priority mission needs. These needs are organized under topics and subtopics within the Solicitation. Solicitations for both programs are available online only.

Open and previous Solicitations are accessible below:

RECENT



FY 2016 SBIR/STTR Solicitation

Open from November 12, 2015 to February 01, 2016

Selections announced on April 27, 2016

Previous Solicitations

- 2015 SBIR/STTR
- 2015 SBIR Select
- 2014 SBIR/STTR
- 2014 SBIR Select
- 2012 SBIR Select
- 2012 SBIR/STTR
- 2011 SBIR/STTR
- 2010 SBIR/STTR
- 2009 SBIR/STTR
- 2008 SBIR/STTR
- 2007 SBIR/STTR
- 2006 SBIR/STTR
- 2005 SBIR/STTR
- 2004 SBIR/STTR

Subscribe to the NASA SBIR/STTR Newsletter, The Concept, to receive information on upcoming Solicitation dates and other NASA SBIR/STTR news.

The NASA logo, featuring the word "NASA" in white, bold, sans-serif font inside a blue circle with a red swoosh and white stars.

NASA SBIR/STTR SUBTOPIC WORKSHOP



SEPTEMBER 12-13, 2016



SBIR · STTR
America's Seed Fund™
POWERED BY NASA



<http://sbir.nasa.gov/events/2016-subtopic-workshop>

Subtopic Workshop – Held Sept. 12-13, 2016

Workshop Features

This event seeks to build NASA's relationship with the small business community and increase communication between NASA and potential proposers. Attendees will have the opportunity to:

- Interact with the NASA SBIR/STTR Program Experts, Mission Directorate Representatives, and NASA Technologists
- Learn about, ask questions, and provide feedback on selected topic areas. The information obtained through the workshop may result in small refinements to the FY17 SBIR/STTR solicitation, but the primary purpose of this workshop is to inform development of the FY18 SBIR/STTR solicitation.
- Receive a general overview of NASA's SBIR and STTR programs and an explanation of how topic areas of interest were developed and chosen for the workshop
- Network with other small business and industry leaders

- You can attend the event in person, or virtually. Registration is required for both
- No more than two representatives per company may attend in person

VENUE

NASA Ames Research Center
Building 3
Moffett Field, CA 94035-1000

<http://sbir.nasa.gov/events/2016-subtopic-workshop>

Subtopic Workshop – Areas Presented

1. Small Spacecraft
2. Machine Learning and Autonomous Systems
3. Robotics for Planetary Missions
4. Propulsion: Launch, In-Space and Related Ground Technologies
5. Entry, Descent and Landing
6. Spacecraft and Platform Subsystems
7. Sensors, Detectors and Instruments
8. Information Technology for Science Missions
9. Power and Energy Storage
10. and 13. Air Vehicle Technology, Parts 1 and 2
11. Life Support, Habitation, Synthetic Biology
12. Materials Manufacturing
14. Airspace Operations and Safety and Integrated Flight Systems
15. Space Communications and Navigation

Draft subtopic descriptions are posted at
<http://sbir.nasa.gov/events/2016-subtopic-workshop>

Subtopic Workshop and Mirror Technology

- First time that subtopic area drafts for a NASA SBIR/STTR Solicitation have been presented to the public in advance of Solicitation release.
- **Focus on previewing broad range of subtopics across four NASA Mission Directorates (SMD, HEOMD, ARMD, STMD) which participate in SBIR/STTR.**
 - **Not intended to be an exhaustive list of all the 2017 subtopics.**
- Example: the four subtopics in Advanced Telescope Systems were not presented at the Workshop. Not a concern.
 - Other subtopic areas of interest to Mirror Technology were included.

2016 At-A-Glance

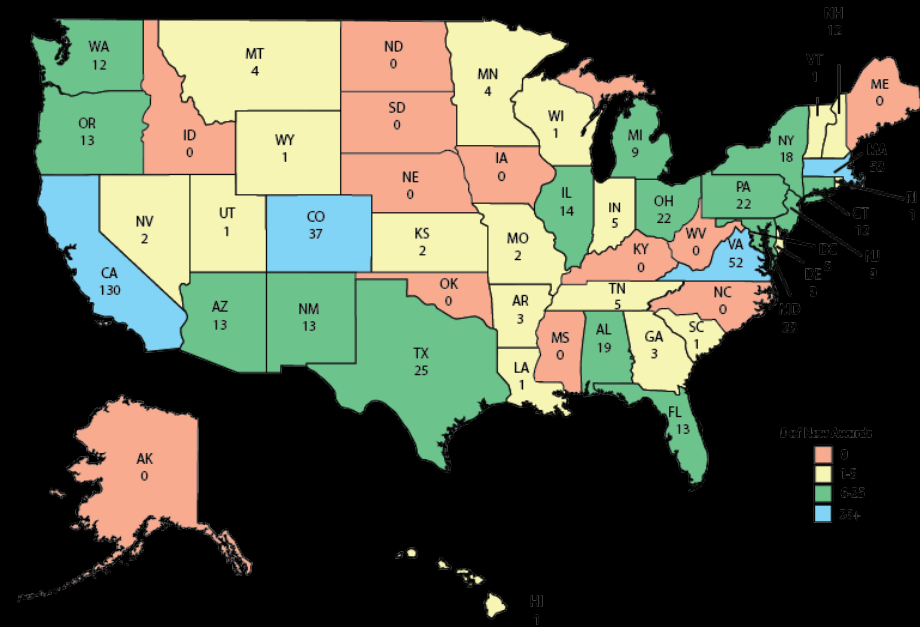


Fiscal Year 2015 SBIR/STTR Awards (Phase I, II, & II-E)

Annual Award Budget FY16:

SBIR & STTR: approx. \$200M

- SBIR is 3.0% of R&D in FY16. In FY17, NASA will increase the SBIR investment to 3.2%.
- STTR is .45% of extramural R&D budget in FY16

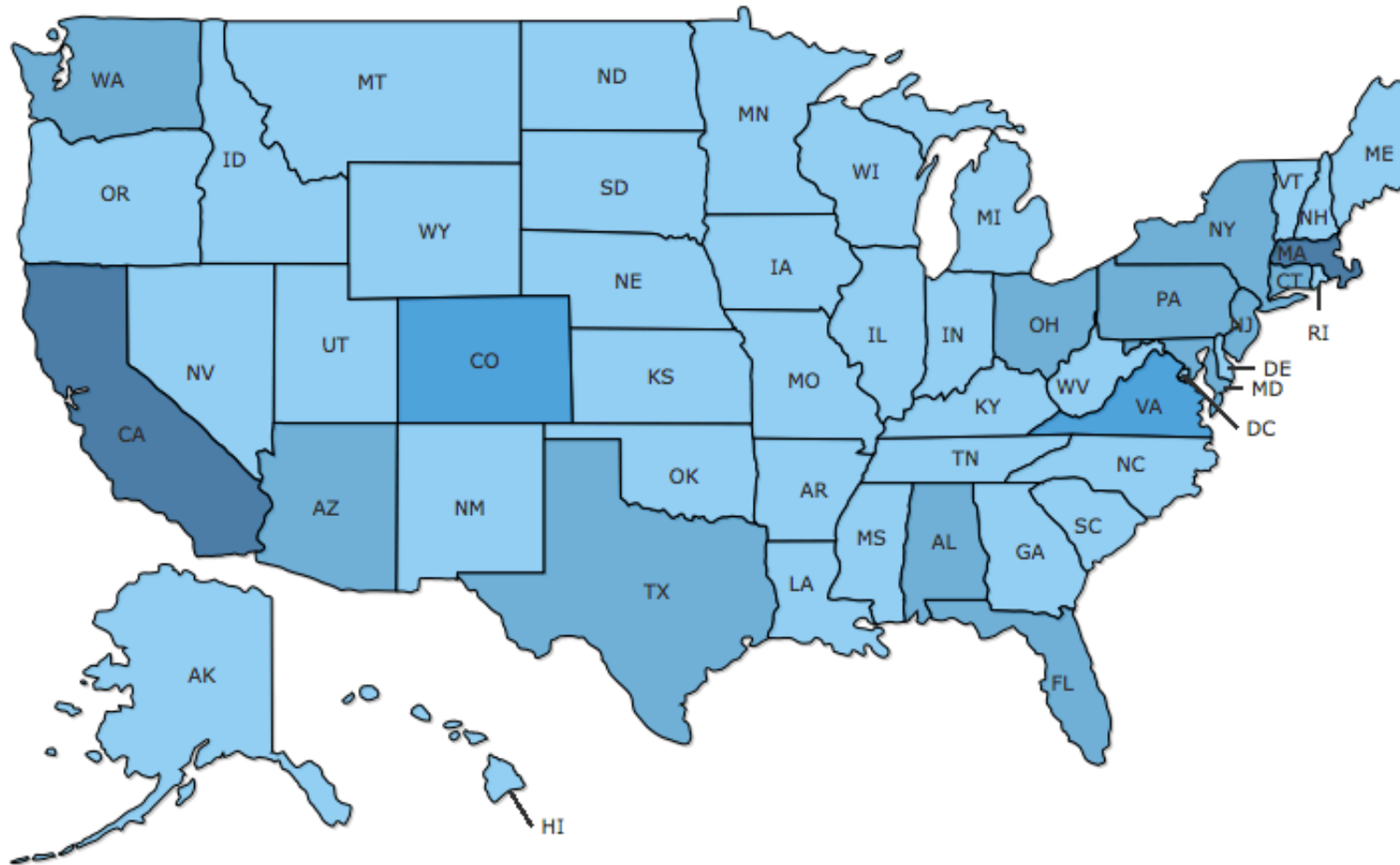


FY 16 Awards At-A-Glance:

- SBIR Awards: 341 Phase I and 137 Phase II
- STTR Awards: 58 Phase I, 21 Phase II

Slide courtesy of the NASA SBIR/STTR Program Management Office (PMO), 9/28/ 2016

Historical State-Based SBIR/STTR Statistics

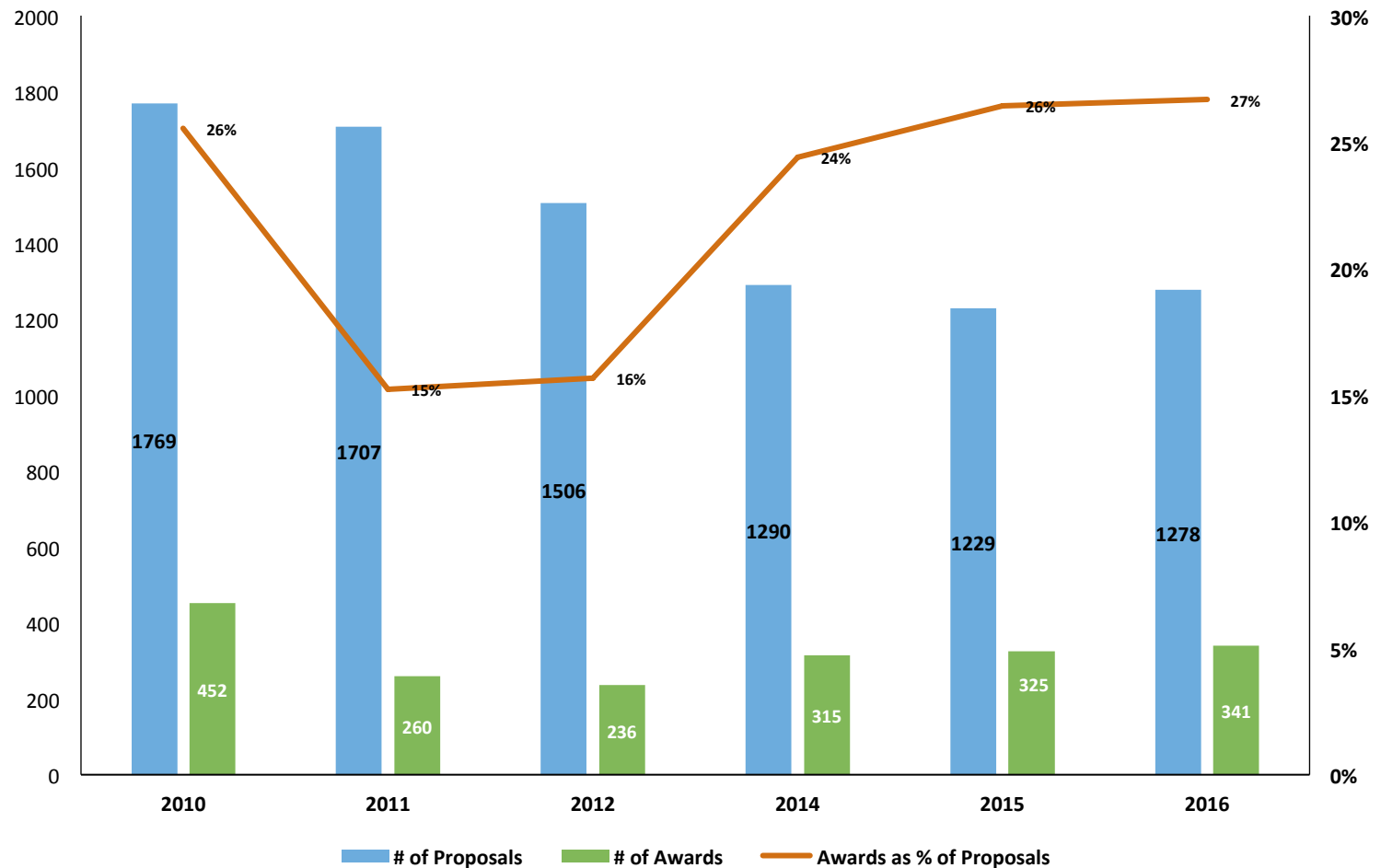


Interactive map with detailed Phase I and Phase II data by state is at http://sbir.gsfc.nasa.gov/states_stats_all

SBIR Proposals vs. Awards



Phase 1 Proposals vs. Awards for SBIR



Slide courtesy of the NASA SBIR/STTR Program Management Office (PMO), 9/28/ 2016

SBIR 2016 Road Tour

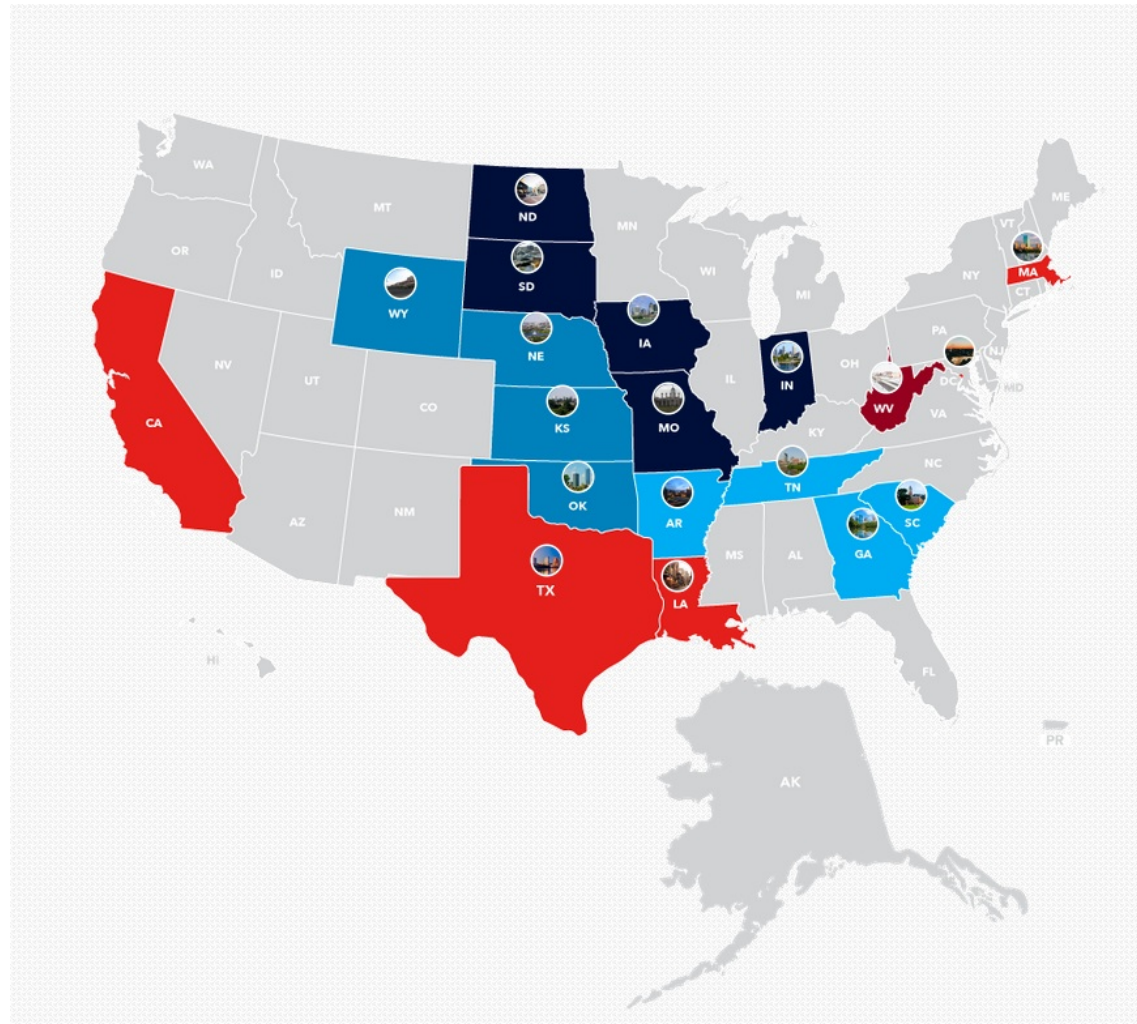
South East Tour
April 19 – April 22, 2016

West Central Tour
June 27 – July 1, 2016

Mid West Tour
August 15-19, 2016

Standalone Events

Events/Conferences



Presented by the Small Business Administration (SBA) with participation by all the Federal SBIR/STTR Agencies, including NASA.

<http://www.sbirroadtour.com/sbir.php>

Outreach Events

<http://sbir.nasa.gov/events>



Event Name	Dates	Location
NASA SBIR/STTR Subtopic Workshop	September 12-13, 2016	Moffett Field, CA
SCaN/SBIR Commercialization Workshop	September 14, 2016	Ames Research Center, CA
Small Business Association of New England	September 16, 2016	Waltham, MA
HCBU Road Tour for SBIR/STTR and Mentor-Protégé Program	September 27-29, 2016	Tallahassee, FL
MSI Outreach to Navajo Technical University	September 28-30, 2016	Crownpointe, NM
SBA New England Regional Innovation Summit	October 5-6, 2016	Boston, MA
IEEE Women in Engineering (WIE) Conference	October 6-7, 2016	Detroit, MI
KSC Business Opportunities Expo	October 25, 2016	Cape Canaveral, FL

Slide courtesy of the NASA SBIR/STTR Program Management Office (PMO), 9/28/ 2016

2017 Program Reauthorization – In Progress

- The SBIR and STTR Programs are currently authorized through end of FY'17 per the SBIR/STTR Reauthorization Bill (H.R.1540) – Part of the National Defense Authorization Act for Fiscal Year 2012.
- **Legislation moving through Congress could raise current 3% SBIR set-aside significantly over the next several years:** to 6% by 2028 in Senate version ([S. 2812](#)), and to 4.5% by 2022 in House version ([H.R. 4783](#)). STTR, now at 0.45%, would grow by 2022 to 0.6% in House bill and 1% in Senate bill.
 - Ref.: DOI: 10.1126/science.aaf5728
 - Ref.: Congress.gov > Legislation > 114th Congress
 - **S.2812 introduced 4/18/2016** by Sen. Jeanne Shaheen (D-NH)
 - Latest action: 6/29/2016 – Committee on Small Business and Entrepreneurship – Hearings held
 - **H.R.4783 introduced 3/17/2016** by Rep. Steve Chabot (R-OH)
 - Latest action: 9/30/2016 – Referred to the Subcommittee on Research and Technology

Additional Information

- SBIR/STTR Reauthorization Bill (H.R.1540) – Part of the National Defense Authorization Act for Fiscal Year 2012
<https://www.congress.gov/bill/112th-congress/house-bill/1540>
- SBIR and STTR Policy Directives
<https://www.sbir.gov/about/about-sbir#sbir-policy-directive> (SBIR)
<https://www.sbir.gov/about/about-sttr#sttr-policy-directive> (STTR)
- Small Business Administration (SBA) Home Page
<http://www.sba.gov>
- Official SBA News Blog
<http://www.sba.gov/community/blogs/official-sba-news-and-views>
- Federal SBIR Official Website – All Agencies
<http://www.sbir.gov/>
- NASA SBIR Home Page
<http://sbir.nasa.gov/>
- NASA Space Technology Mission Directorate (STMD)
<http://www.nasa.gov/directorates/spacetech/home/index.html>
- NASA Office of the Chief Technologist (OCT)
<http://www.nasa.gov/offices/oct/home/index.html>
- SBIR Gateway
<http://www.zynsys.com/sbir/>

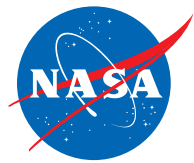
Establishing NASA SBIR Points of Contact

- We may communicate with companies about NASA/JPL SBIR/STTR needs, technical relevance, applications, technical subtopic details and clarifications, etc.
 - **The one exception is the Blackout Period (from Solicitation Release through Phase I Awards Announcement).**
 - During the Blackout Period we can discuss existing SBIR work as usual, and general NASA needs and interests not connected directly to the Solicitation.
 - **However - we cannot provide companies with any additional details or clarification related to the open Solicitation.**
- You are encouraged to contact us!
 - **If you do not already have NASA technical point(s) of contact, you can contact the SBIR Center Technology Transition Lead (CTTL) or the Mission Directorate Liaisons at the desired Center(s).**
<http://sbir.nasa.gov/content/nasa-sbirsttr-program-contacts>
 - We can provide you with relevant leads and points of contact.

JPL SBIR Points of Contact

- Mark Davidson – Program Administration and Analysis
Mark.H.Davidson@jpl.nasa.gov
- Indrani Graczyk – Commercial Program/ SBIR Program Manager
Indrani.Graczyk@jpl.nasa.gov
- Carol Lewis – Technology Transition Lead
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