

[illegible]

# NASA Langley Research Center



# Purpose of SBIR/STTR Programs



**Stimulate technological innovation**


**Foster technology transfer through cooperative R&D between small businesses and research institutions**

**Use small businesses to meet federal research and development needs**

**Encourage participation in innovation and entrepreneurship by minority and disadvantaged persons**

**Increase private-sector commercialization of innovations derived from Federal research and development funding**



A full-page background image showing an astronaut in a white spacesuit working on the exterior of the International Space Station. The astronaut is in the lower-left foreground, reaching up. The station's complex structure, including various modules and equipment, is visible in the background against the blackness of space. A bright sun is in the upper-left, creating a large lens flare. In the top-left corner, there is a small, colorful, abstract graphic resembling a globe or a mosaic.

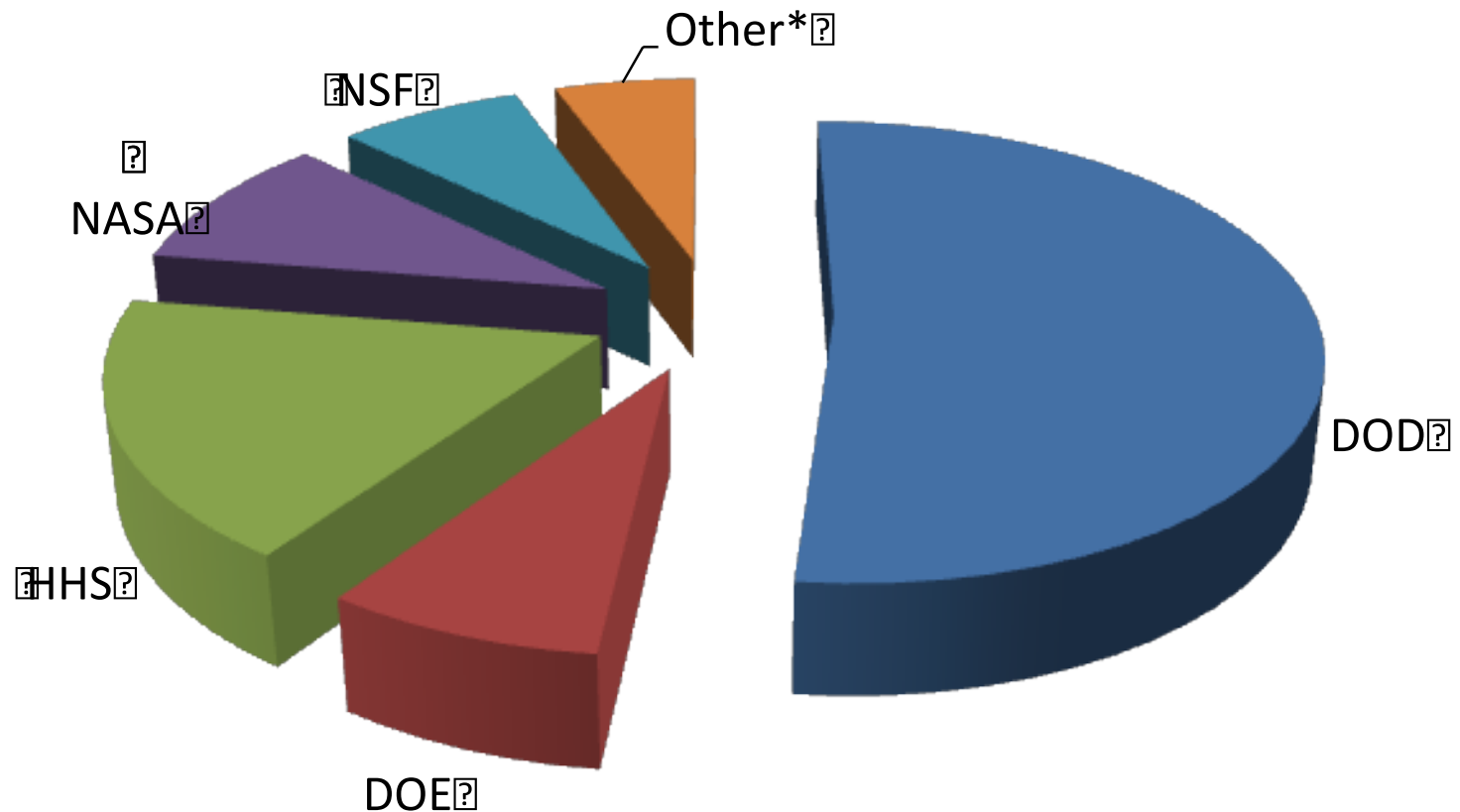
NASA's annual funding for SBIR and  
STTR Programs ranges between  
**\$150-170 million** per year.



# Total SBIR/STTR Investment NASA compared to other agencies



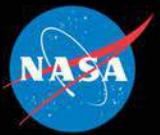
## SBIR/STTR Agency Funding ~2.6 B



\*Others Indicate: DHS, DoC, DoT, EPA, ED, USDA,



# Eligibility Requirements



- **Only firms qualifying as Small Business Concerns (SBC) are eligible to participate in these programs.**
- Socially and economically disadvantaged and women-owned SBCs are particularly encouraged to propose.
- **R/R&D must be performed in the United States**
- 50% of the Principal Investigator's (PI) total employment shall be with the SBC under the SBIR Program, while under the STTR Program, either the SBC or Research Institute (RI) shall employ the PI.





# Small Business Concern Eligibility



- is **organized for profit, with a place of business located in the United States**, which operates primarily within the United States or which makes a significant contribution to the United States economy through payment of taxes or use of American products, materials or labor
- is in the legal form of an **individual proprietorship, partnership, limited liability company, corporation, joint venture, association, trust or cooperative**; except that where the form is a joint venture, there can be no more than 49 percent participation by business entities in the joint venture
- is **at least 51 percent owned and controlled by one or more individuals who are citizens of, or permanent resident aliens in, the United States**: except in the case of a joint venture, where each entity to the venture must be 51 percent owned and controlled by one or more individuals who are citizens of, or permanent resident aliens in, the United States
- has, including its affiliates, **not more than 500 employees**.
- Visit the SBA website if you have questions about eligibility <http://www.sba.gov>



# Difference between SBIR and STTR



- The awards are always to a small business
  - In SBIR, a research institution, e.g. a university *may* participate with the small business
  - In STTR, a research institute *must* participate with the small business



# 3-Phase Program

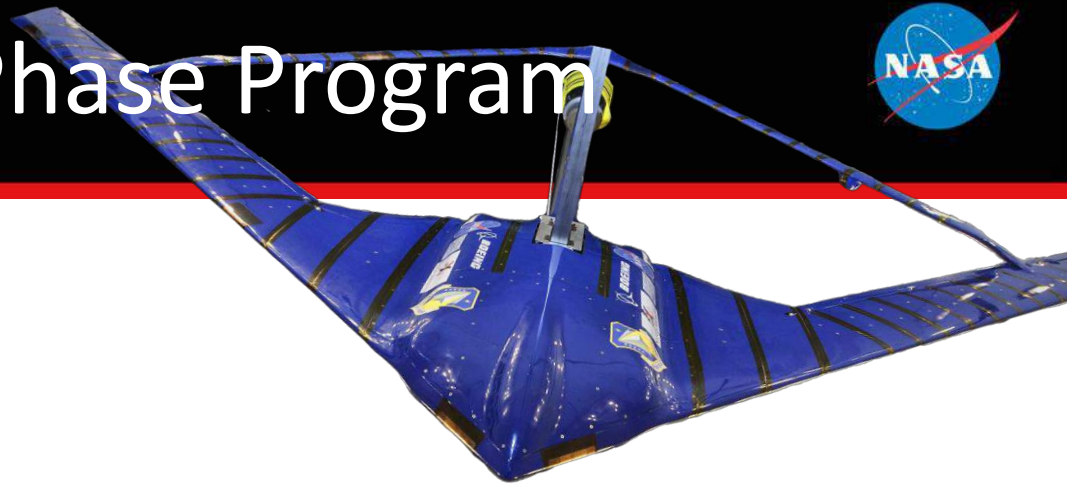


- **Phase 1**
  - Feasibility study, 6 months duration
  - \$125K (maximum allowable \$150K)
- **Phase 2**
  - Technology or Prototype Development/Demonstration, 2-Year Contract Award
  - \$750K (maximum allowable \$1 million)
- **Phase 2 Extended and eXpanded, or Phase 2-E and Phase 2-X**
  - Funding to “bridge the gap” to a Phase 3 opportunity
  - Requires non-SBIR/STTR matching funding
- **Phase 3**
  - Technology Infusion/Commercialization Stage
  - Ability to award sole-source contracts without further need for Justification Other than Full and Open competition; (No JOFOC) based on specific SBIR authority





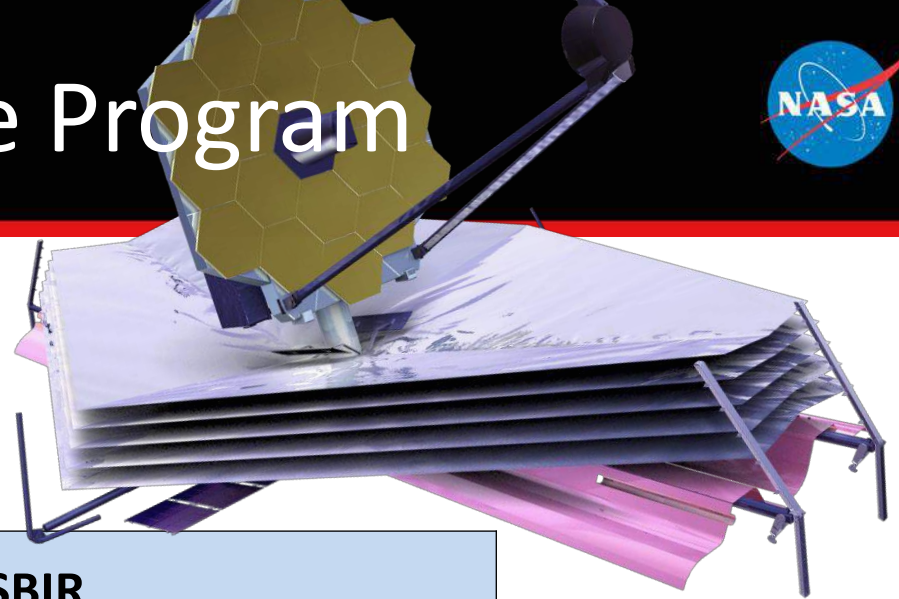
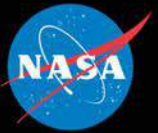
# General: 3 Phase Program



Phase 1 Contracts	SBIR/STTR
Maximum Contract Value	\$125,000
Period of Performance	6 months
Phase 2 Contracts	SBIR/STTR
Maximum Contract Value	\$750,000
Period of Performance	24 months



# Select: 3 Phase Program



Select Phase 1 Contracts	SBIR
Maximum Contract Value	\$125,000
Period of Performance	6 months
Select Phase 2 Contracts	SBIR
Maximum Contract Value	\$1,500,000*
Period of Performance	24 months

**\* \$\$ is double  
that of the  
regular  
SBIR/STTR  
Phase 2  
Contract Value**



# General: Post-Phase II Awards



## Phase 2-Enhancement (2-E)

Phase 2-E	Minimum non-SBIR/STTR Funding Required for Eligibility for Matching in Phase 2-E	Corresponding SBIR/STTR Program Contribution	Anticipated Period of Additional Performance
	\$25,000	\$25,000	6-12 Months
	Maximum non-SBIR/STTR Funding to be Matched by SBIR/STTR Program in Phase 2-E	Corresponding SBIR/STTR Program Contribution	Anticipated Period of Additional Performance
	\$125,000	\$125,000	6-12 Months

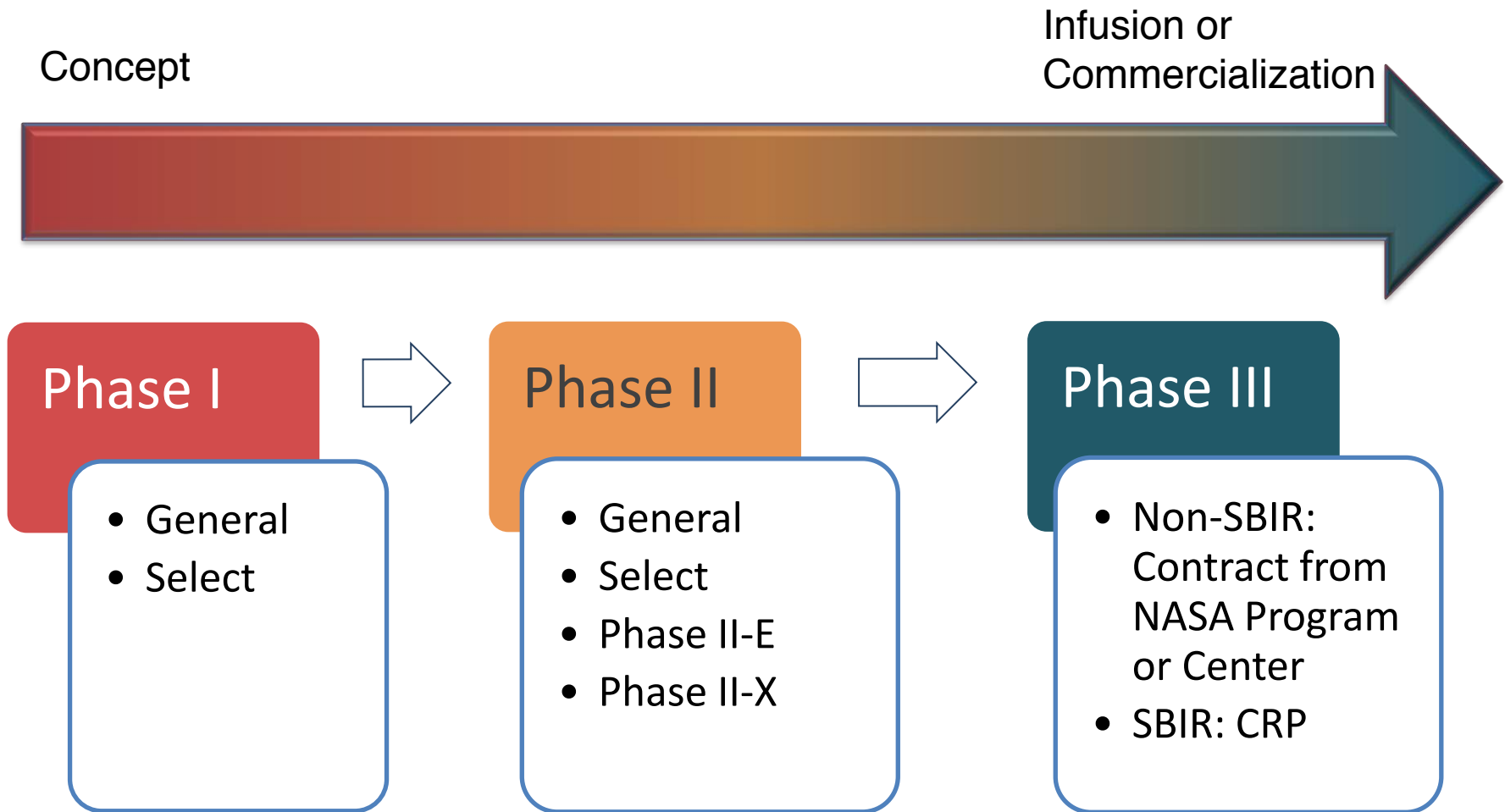
## Phase 2-eXpanded (2-X)

Phase 2-X	Minimum Funding Required from non-SBIR/STTR NASA Source for Eligibility for Matching in Phase 2-X	Corresponding SBIR/STTR Program Contribution	Anticipated Period of Additional Performance
	\$75,000	\$150,000	12-24 Months
	Maximum Funding Amount from non-SBIR/STTR NASA Source to be Matched in Phase 2-X	Corresponding SBIR/STTR Program Contribution	Anticipated Period of Additional Performance
	\$250,000	\$500,000	12-24 Months



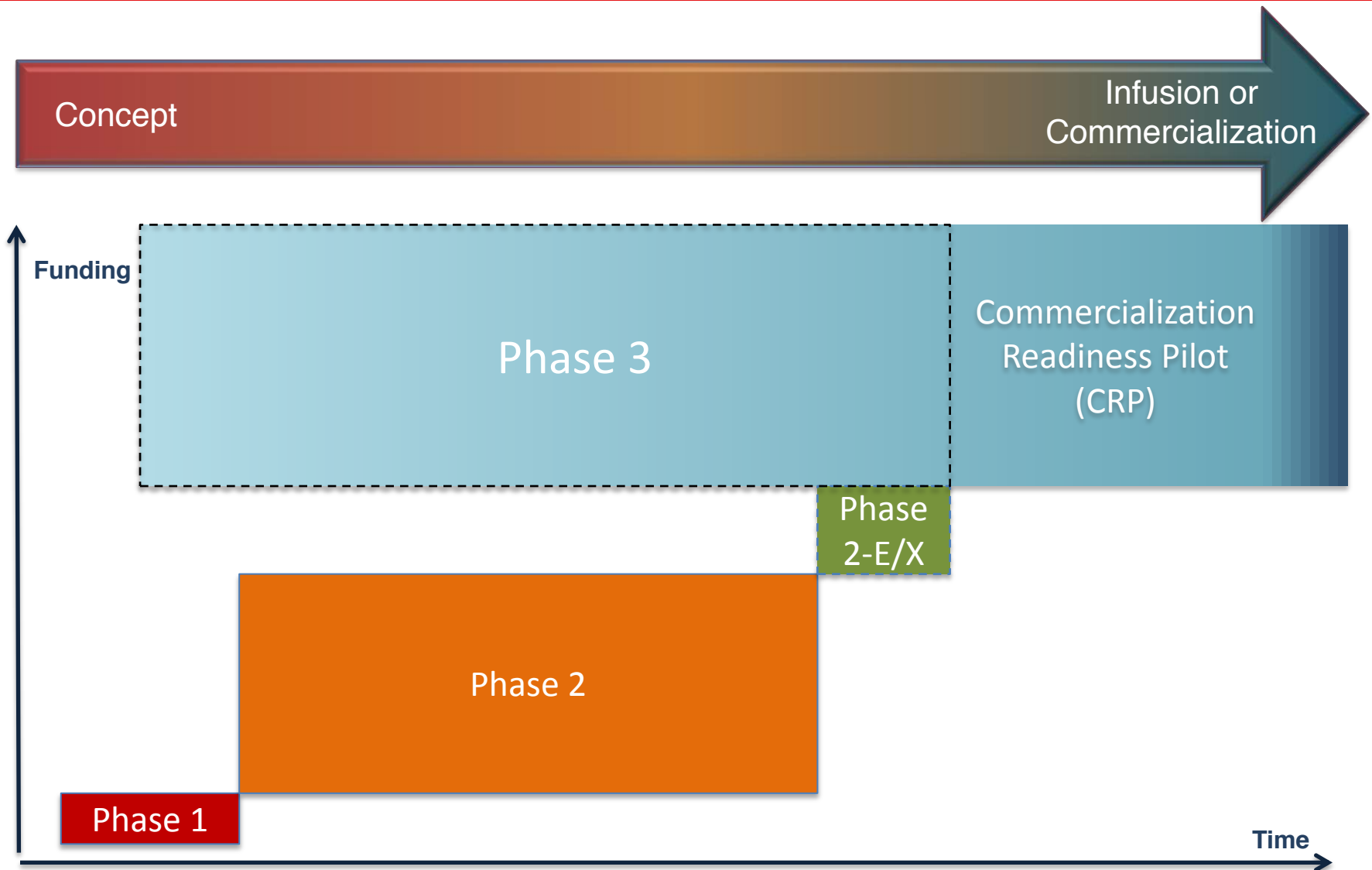


# SBIR/STTR Technology Award Stages





# SBIR/STTR Technology Award Stages





# Commercialization Readiness Pilot

# CRP





# NASA SBIR CRP



- Allowed as result of re-authorization legislation
- Goal: Enable technology maturation for infusion and commercialization
- NASA programs and industry act as Sponsors
  - Sponsors must illustrate how they intend to conduct critical risk reduction or test-and-demonstration activities, which if not conducted would limit commercialization opportunities
  - SBIR/STTR Program will be able to provide matching funding for technology maturation, in partnership with Sponsors that provide other matching funds
- Matching funds from sponsor are required for the CRP



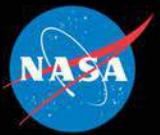
# FY14 Limited Pilot



- Executed limited pilot effort for a CRP in FY 2014, which will expand in FY 2015
  - High priority NASA technology needs driven by NASA programs and missions
  - Currently examining process used in FY14
- Anticipate a user guide and forms on NASA SBIR website in FY15
- NASA Advocate was required in FY14, and will be required in the future
  - Advocate must present a SBIR/STTR Technology Maturation Plan (STMP) to the SBIR/STTR Program
  - the STMP must identify detailed technology development objectives and deliverables, funding needs, schedule, opportunities and plans for infusion or commercialization



# Further Information

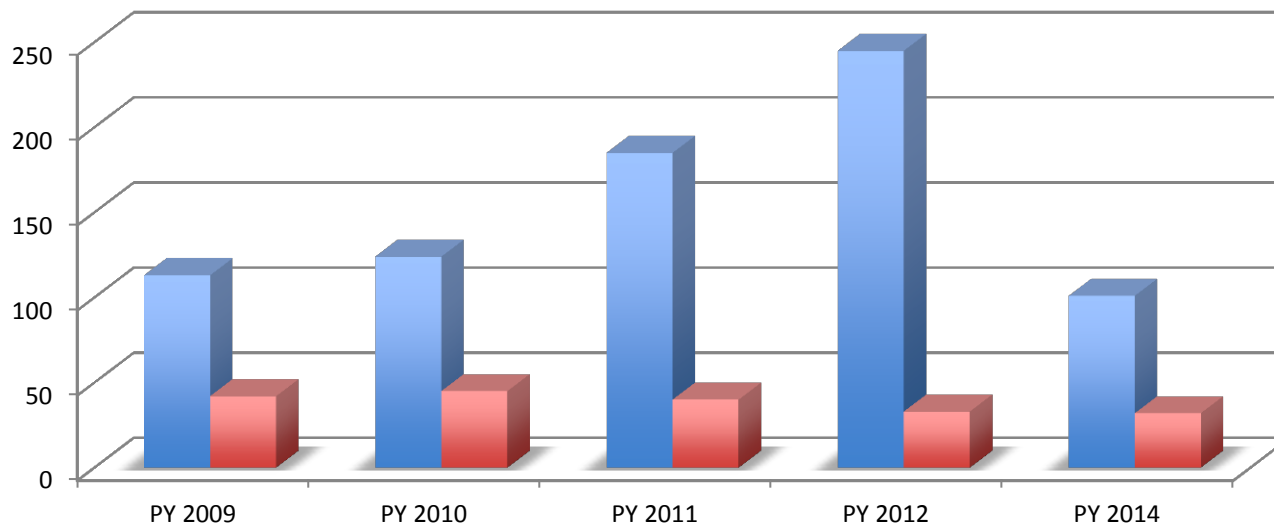
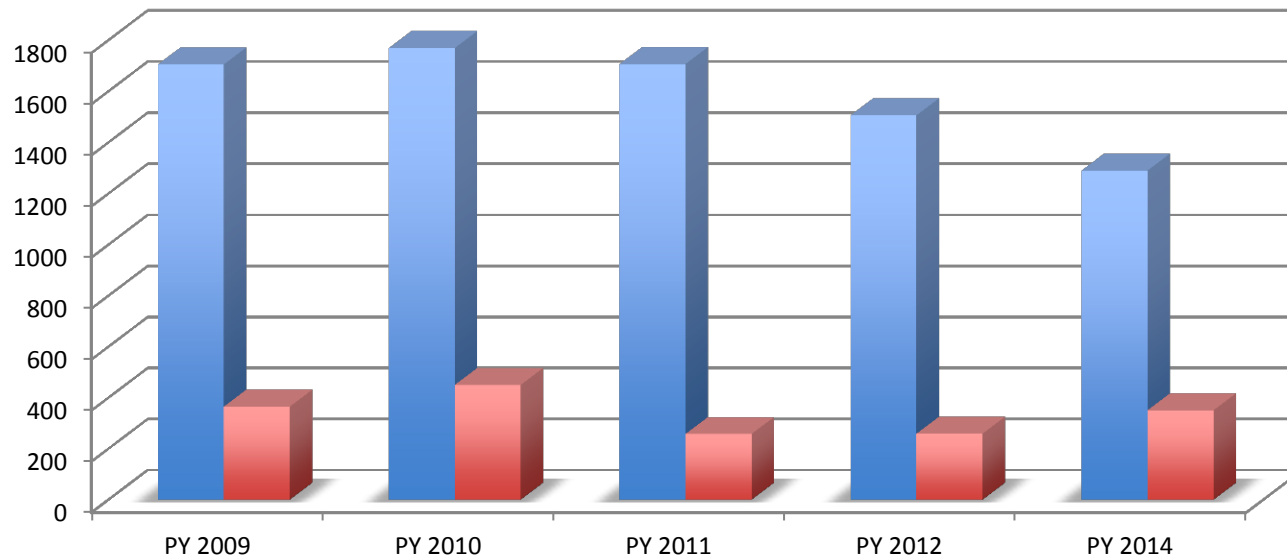


- As mentioned earlier, we are examining the process used in FY14 for enhancement and streamlining purposes
- You may find additional information and future updates at
  - <http://sbir.nasa.gov/node/54467>



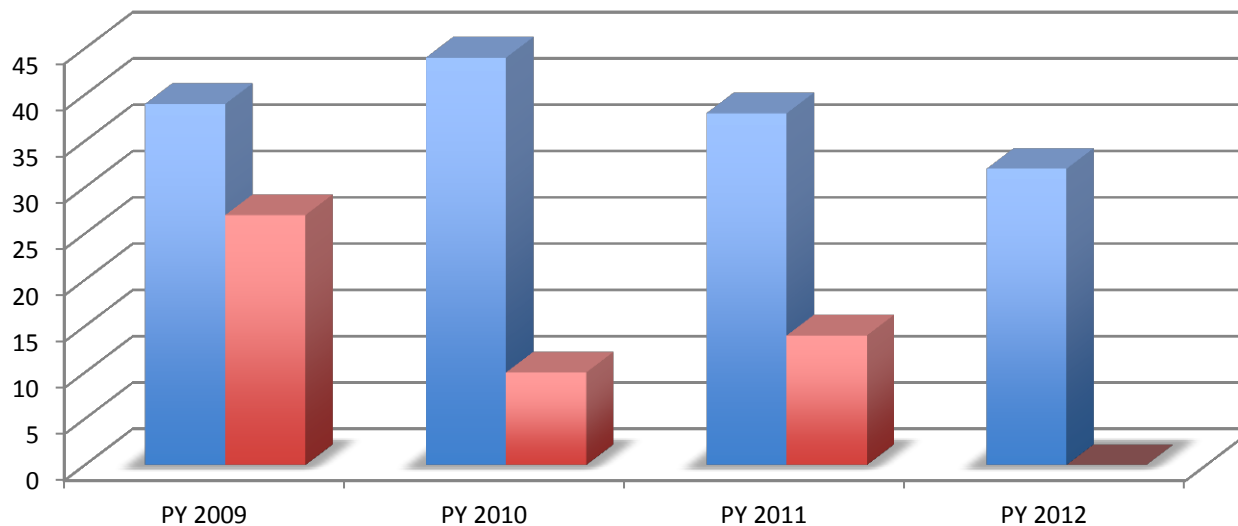
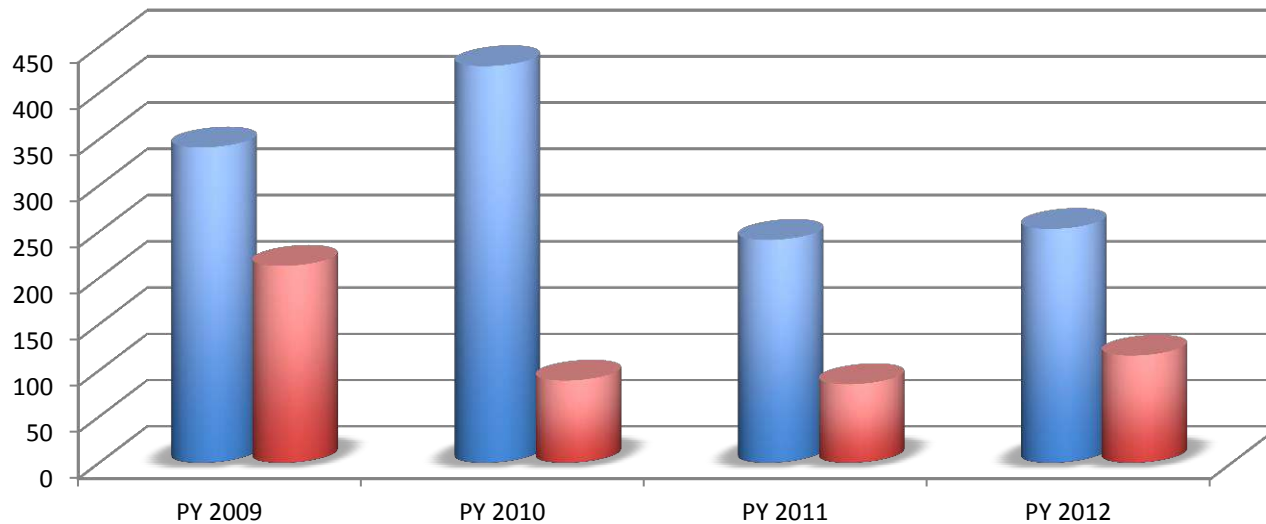


# Phase I Proposals vs Awards



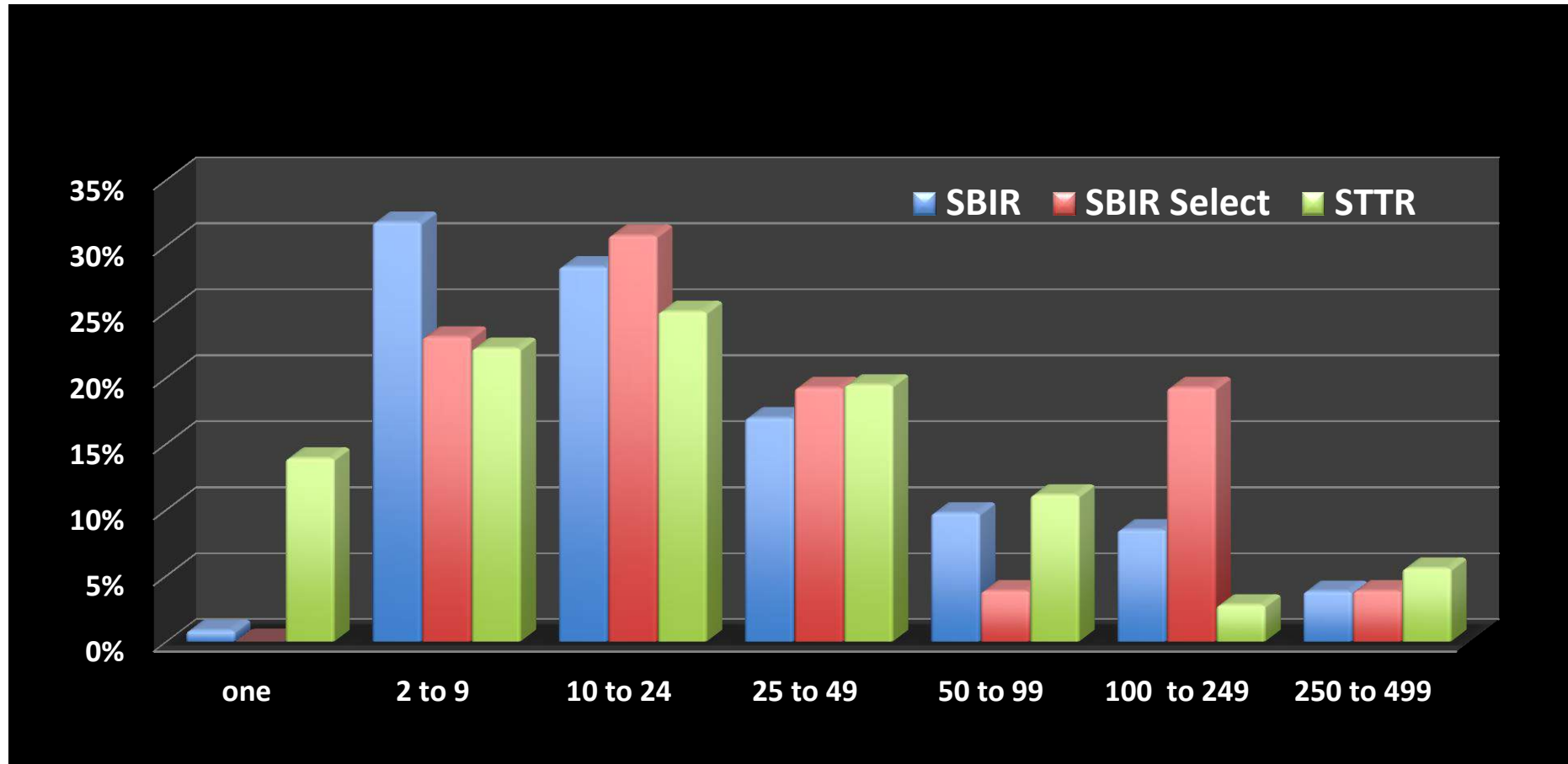


# Phase II Proposals vs awards





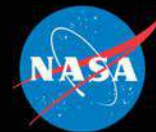
# Percent selected by size category



- 14% first-time proposer/first-time selectees
- 24% first-time selectees



# General Overview



## Part of new focus a Space Technology At NASA

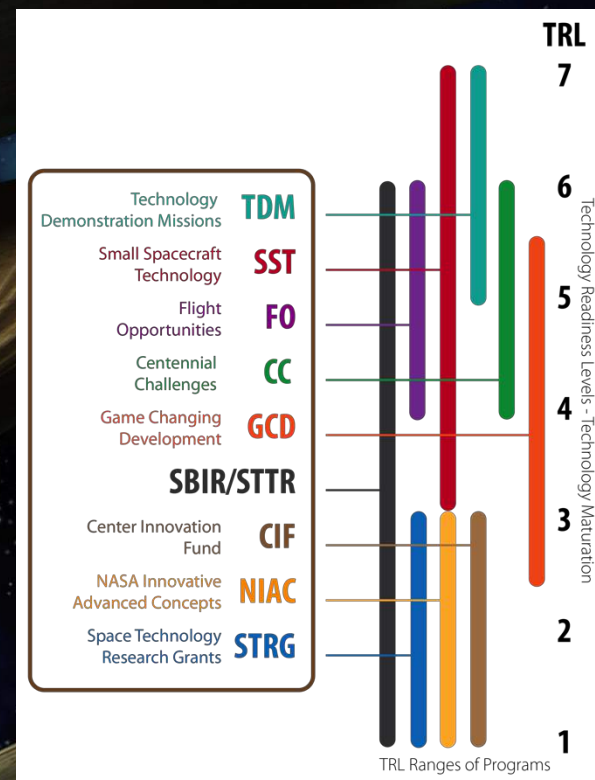
- One of 9 Programs within Space Technology Mission Directorate – tackling new technology development challenges across all “Technology Readiness Levels”

## SBIR & STTR

- Topics/Subtopics developed to support the needs of NASA’s other Mission Directorates – Science, Human Exploration & Operations, Aeronautics Research
- Topics/Subtopics developed to support mid- to long-term technology development needs identified in NASA’s “Space Technology Roadmaps” or the National Aeronautics R&D Plan

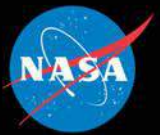
## NASA Centers Play Critical Role

- All SBIR/STTR projects are managed at one of NASA’s 10 Centers – home to NASA’s development projects, research facilities, and Subject Matter Experts



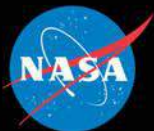


# NASA Space Technology Programs



- **NASA Innovative and Advanced Concepts (NIAC)** – “Study innovative, technically credible, advanced concepts that could one day ‘Change the Possible’ in aerospace”
- **Space Technology Research Grants and Fellowships** – Graduate student research fellowships and grants to academia, NASA field centers and not-for-profit R&D laboratories
- **Center Innovation Fund (CIF)** – stimulate innovation within the NASA Centers support emerging technologies and creative initiatives - NASA scientists and engineers lead projects, partnerships with other agencies, academia and private industry are encouraged.
- **Centennial Challenges** – Prize Competitions
- **Small Business Innovative Research (SBIR)/Small Business Technology Transfer (STTR)**
- **Small Spacecraft Technology Program** - Accelerate the development of small spacecraft capabilities for NASA, commercial, and other space sector users.
- **Flight Opportunities** - Create multiple paths through which innovative technologies may be matured from concept to flight by facilitating low-cost access to suborbital environments
- **Game Changing Development (GCD)** – Develop technologies that produce “dramatic” impacts for NASA’s Space Exploration and Science Missions; a balanced approach of guided technology development efforts and competitively selected efforts
- **Technology Demonstration Missions (TDM)** - Seeks to mature laboratory-proven technologies to flight-ready status; system-level technology solutions are given the opportunity to operate in the actual space environment







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Current, future, past missions & launch dates

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**Early Career Faculty Awards**  
2014  
NASA Announces Early Career Faculty Space Tech Research Grants  
NASA has selected seven university-led proposals for the study of innovative, early stage technologies that address high priority needs for America's  
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**Press Releases**  
NASA Announces Early Career Faculty Space Tech Research Grants  
NASA has selected seven university-led proposals for the study of innovative, early stage technologies that address high priority needs for America's

**Space Technology**

STMD rapidly develops, demonstrates, and infuses revolutionary, high-payoff technologies through transparent, collaborative partnerships, expanding the boundaries of the aerospace enterprise.

Read more about STMD's work.

**Technology Drives Exploration**



**#321TechOff**

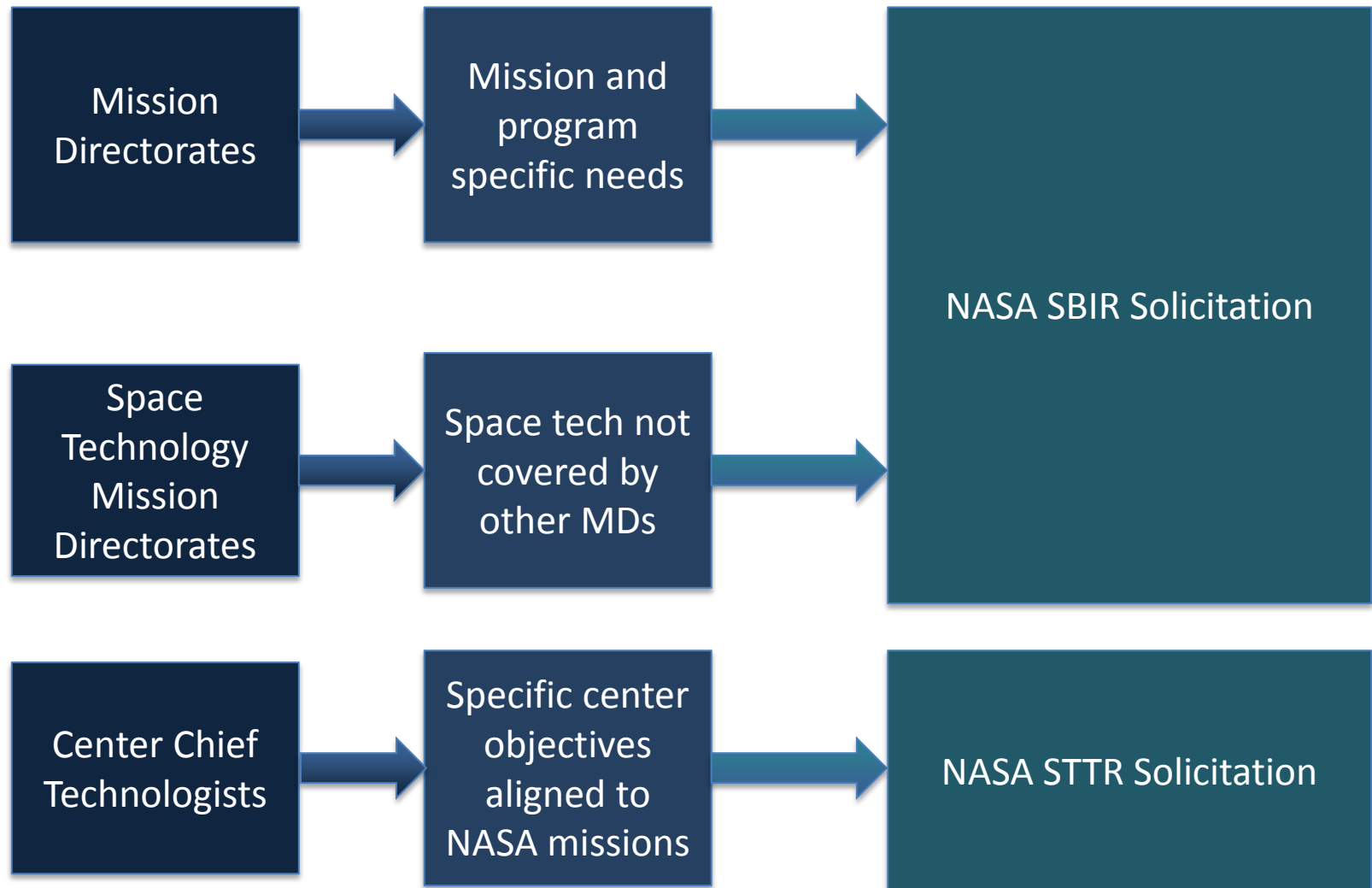
School may be out for the summer, but technology at NASA isn't taking a break. Find out more.

**Tech Tweets**

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# How does NASA define subtopics?





# Space Technology Technical Areas



- |      |   |   |      |   |   |
|------|---|---|------|---|---|
| TA01 |    | • LAUNCH PROPULSION SYSTEMS                       | TA08 |    | • SCIENCE INSTRUMENTS, OBSERVATORIES & SENSOR SYSTEMS       |
| TA02 |    | • IN-SPACE PROPULSION TECHNOLOGIES                | TA09 |    | • ENTRY, DESCENT & LANDING SYSTEMS                          |
| TA03 |    | • SPACE POWER & ENERGY STORAGE                    | TA10 |    | • NANOTECHNOLOGY  |
| TA04 |    | • ROBOTICS, TELE-ROBOTICS & AUTONOMOUS SYSTEMS    | TA11 |    | • MODELING, SIMULATION, INFORMATION TECHNOLOGY & PROCESSING |
| TA05 |   | • COMMUNICATION & NAVIGATION                      | TA12 |   | • MATERIALS, STRUCTURES, MECHANICAL SYSTEMS & MANUFACTURING |
| TA06 |  | • HUMAN HEALTH, LIFE SUPPORT & HABITATION SYSTEMS | TA13 |  | • GROUND & LAUNCH SYSTEMS PROCESSING                        |
| TA07 |  | • HUMAN EXPLORATION DESTINATION SYSTEMS           | TA14 |  | • THERMAL MANAGEMENT SYSTEMS                                |

# Challenges for Deep Space Exploration



Communication



Environment  
Control &  
Life Supporting  
Systems



Navigation



Power  
Generation  
& Storage



Logistics



Entry,  
Descent  
& Landing



Radiation  
Mitigation




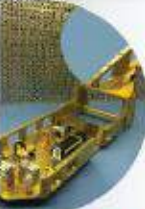






Manufacturing  
In Space &  
For Space



Propulsion



# Space Technology Future Thrust Areas

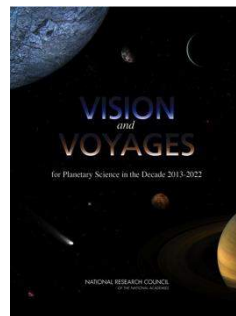
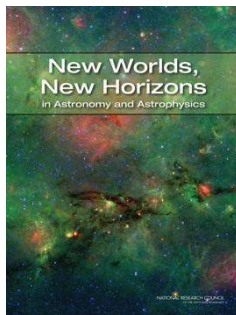
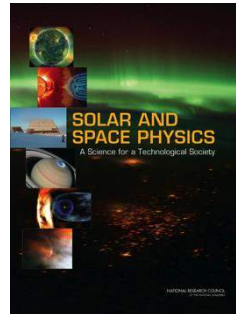
							
<b>High Power Solar Electric Propulsion</b>	<b>Space Optical Comm.</b>	<b>Advanced life Support &amp; Resource Utilization</b>	<b>Mars Entry Descent and Landing Systems</b>	<b>Space Robotic Systems</b>	<b>Lightweight Space Structures</b>	<b>Deep Space Navigation</b>	<b>Space Observatory Systems</b>
Deep space human exploration, science missions and commercial applications with investments in advanced solar arrays, high-power Hall thrusters and power processing units.	Substantially increase the available bandwidth for near Earth space communications currently limited by power and frequency allocation restrictions, and increase the communications throughput for deep space mission.	Technologies for human exploration mission including Mars atmospheric In-situ resource utilization, near closed loop air revitalization and water recovery, EVA gloves and radiation protection.	Permits more capable science missions, eventual human missions to mars including, hypersonic and supersonic aerodynamic decelerators, a new generation of compliant TPS materials, retro-propulsion technologies, instrumentation and modeling capabilities.	Creates future humanoid robotics, autonomy and remote operations technologies to substantially augments the capability of future human space flight missions.	Targets substantial increases in launch mass, and allow for large decreases in needed structural mass for spacecraft and in-space structures.	Allows for more capable science and human exploration missions using advanced atomic clocks, x-ray detectors and fast light optical gyroscopes.	Allows for significant increases in future science capabilities including, AFTA/WFIRST coronagraph technology to characterize exoplanets by direct observation and advances in the surface materials as well as control systems for large space optics.



# Understanding NASA Needs



- In Science – “Decadal Surveys” and NASA-developed implementation documents
  - Planetary Science
    - [http://solarsystem.nasa.gov/multimedia/download-detail.cfm?DL\\_ID=742](http://solarsystem.nasa.gov/multimedia/download-detail.cfm?DL_ID=742)
  - Astronomy and Astrophysics
    - <http://science.nasa.gov/astrophysics/special-events/astro2010-astronomy-and-astrophysics-decadal-survey/>
    - [http://science.nasa.gov/media/medialibrary/2013/04/15/secure-ImpPlan\\_R2\\_15Apr2013.pdf](http://science.nasa.gov/media/medialibrary/2013/04/15/secure-ImpPlan_R2_15Apr2013.pdf)
  - Heliophysics (Solar and Space Physics)
    - [http://www.nap.edu/catalog.php?record\\_id=13060](http://www.nap.edu/catalog.php?record_id=13060)
    - [http://www.nasa.gov/mission\\_pages/sunearth/news/decadal-2012.html](http://www.nasa.gov/mission_pages/sunearth/news/decadal-2012.html)
    - [http://science.nasa.gov/media/medialibrary/2010/03/31/Heliophysics\\_Roadmap\\_2009\\_tagged-quads.pdf](http://science.nasa.gov/media/medialibrary/2010/03/31/Heliophysics_Roadmap_2009_tagged-quads.pdf)
  - Earth Science
    - <http://science.nasa.gov/earth-science/decadal-surveys/>
    - <http://esto.nasa.gov/>
- In Aeronautics Research
  - National Aeronautics R&D Plan
    - <http://www.whitehouse.gov/sites/default/files/microsites/ostp/aero-rdplan-2010.pdf>
  - Various Detailed NASA Aeronautics Research documents
    - <http://www.aeronautics.nasa.gov/programs.htm>





# Key Successes: Curiosity Rover

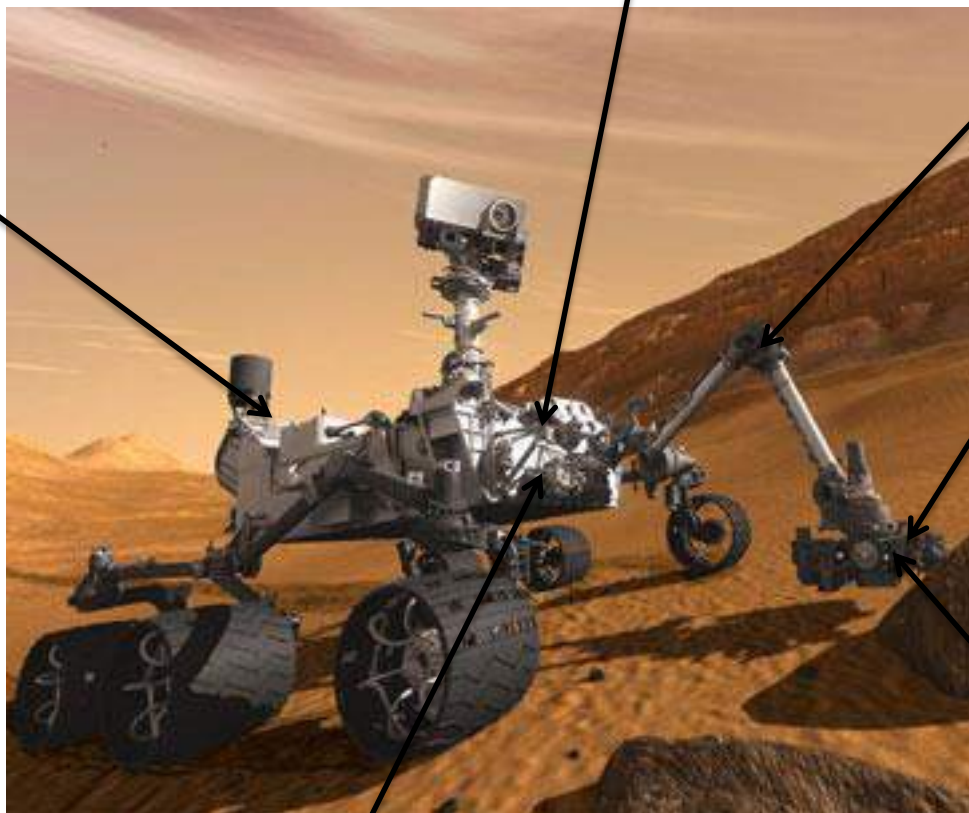


**Yardney  
Technical  
Products,  
Pawcatuck CT**  
Lithium ion  
batteries

**Creare, Hanover NH**  
Space-qualified vacuum pump

**Starsys Research,  
Boulder CO**  
Gearboxes for robotic arm

**Honeybee  
Robotics,  
New York NY**  
Dust removal tool



**Grammatech, Ithaca NY -**  
Software for rover operations

**inXitu, Campbell, CA**  
Chemistry  
and Mineralogy  
experiment (CheMin)  
instrument





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# NASA SBIR Website



**NASA SBIR/STTR**  
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**Technologies**

**Success Stories**

**Videos**

**What changes or enhancements to the program have you made recently or plan to make in the future?**

Interview with NASA SBIR/STTR Program Executive Dr. Richard Leshner [Watch](#)

**Proposers**

- SBIR/STTR Basics
- SBIR/STTR Schedule
- Participation Guide
- SBIR/STTR Firms Library
- Model Contract
- Training Resources
- FAQs
- Awardees
- Demographics Data

**News and Upcoming Events**

**News**

- The next SBIR/STTR Solicitation is currently planned for release in November 2013
- SBIR/STTR Select 2012 Phase II Proposal Submission EHB Proposals due no later than 5:00 pm ET on the last day of the Phase I contract
- NASA STTR Partnering Project on SBIR Gateway

**2012 SBIR/STTR Solicitation**

**2012 SBIR Select Solicitation**

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**Report Fraud/Waste/Abuse**

Curator: [Samidha Manu](#)  
NASA Official: Richard B. Leshner  
Last Updated: 25-Oct-2013

- NASA Information on the American Recovery and Reinvestment Act of 2009
- Budgets, Strategic Plans and Accountability Reports
- Equal Employment Opportunity Data Posted Pursuant to the No Fear Act
- Information-Dissemination Policies and Inventories
- Freedom of Information Act
- Privacy Policy & Important Notices
- NASA Advisory Council
- Aerospace Safety Advisory Panel
- Inspector General Hotline
- Office of the Inspector General
- NASA Communications Policy
- Contact NASA
- Business USA
- USA.gov
- Open Government at NASA
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**NASA SBIR and STTR 2012 Program Solicitations**  
Opened on September 17, 2012 and closed on November 29, 2012

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**Views by Technology Area** **Views by Technology Taxonomy** **Download Solicitation**

**Chapter 2: Definitions**

- Chapter 1: Program Description
- Chapter 2: Definitions
- Chapter 3: Proposal Preparation Instructions and Requirements
- Chapter 4: Method of Selection and Evaluation Criteria
- Chapter 5: Considerations
- Chapter 6: Submission of Proposals
- Chapter 7: Scientific and Technical Information Sources
- Chapter 8: Submission Forms and Certifications (includes SBIR Checklist and STTR Checklist)
- Chapter 9: Research Topics for SBIR and STTR

**Appendix A: Example Format for Briefing Chart**

**Appendix B: Technology Readiness Level (TRL) Descriptions**

**Appendix C: NASA SBIR/STTR Technology Taxonomy**

**Appendix D: SBIR/STTR and the Space Technology Roadmap**

**Phase II Proposal Instructions**

**Amendment 0001 to Subtopic H3.02 of the SBIR Solicitation**

Corral: [Saptha Manu](#)  
NASA Official: Richard B. Leshner  
Last Updated: 25-Oct-2013

- NASA Information on the American Recovery and Reinvestment Act of 2009
- Budgets, Strategic Plans and Accountability Reports
- Equal Employment Opportunity Data Posted Pursuant to the No Fear Act
- Information-Dissemination Policies and Inventories
- Freedom of Information Act
- Privacy Policy & Important Notices
- NASA Advisory Council
- Aerospace Safety Advisory Panel
- Inspector General Hotline
- Office of the Inspector General
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## SBIR/STTR

Small Business Innovation Research / Small Business Technology Transfer

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Noteworthy Changes

▶ Chapter 1 Program Description

▶ Chapter 2 Definitions

▶ Chapter 3 Proposal Preparation Instructions and Requirements

▶ Chapter 4 Method of Selection and Evaluation Criteria

▶ Chapter 5 Considerations

▶ Chapter 6 Submission of Proposals

▶ Chapter 7 Scientific and Technical Information Sources

Chapter 8. Submission Forms and Certifications

▶ Chapter 9. Research Topics for SBIR and STTR

▼ 9.1 SBIR Research Topics

Aeronautics Research

Human Exploration and Operations

Science

Space Technology

▶ 9.2 STTR Research Topics

Small Business Technology Transfer

▶ Appendices

Phase II Proposal Instructions

▶ Amendments

View by

Mission Directorate

Technology Area

Legend

 Subtopic has been amended

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The SBIR Program Solicitation topics and subtopics are developed by the NASA Mission Directorates and Centers in coordination with the NASA SBIR/STTR programs.

There are four Mission Directorates (MDs):

▶ **Aeronautics Research** 

NASA's Aeronautics Research Mission Directorate (ARMD) expands the boundaries of aeronautical knowledge for the benefit of the Nation and the broad aeronautics community, which includes the Agency's partners in academia, industry, and other government agencies. ARMD is conducting high-quality,... [Read more>>](#)

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Legend

 Subtopic has been amended

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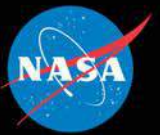
NEXT CHAPTER ▶

32





# Solicitation Topics



- ▶ Chapter 4 Method of Selection and Evaluation Criteria
- ▶ Chapter 5 Considerations
- ▶ Chapter 6 Submission of Proposals
- ▶ Chapter 7 Scientific and Technical Information Sources
- Chapter 8. Submission Forms and Certifications
- ▶ Chapter 9. Research Topics for SBIR and STTR
  - ▼ 9.1 SBIR Research Topics
    - Aeronautics Research
    - Human Exploration and Operations
    - Science
    - Space Technology
  - ▶ 9.2 STTR Research Topics
    - Small Business Technology Transfer
- ▶ Appendices
  - Phase II Proposal Instructions
- ▶ Amendments

There are four Mission Directorates (MDs):

## ■ Aeronautics Research

NASA's Aeronautics Research Mission Directorate (ARMD) expands the boundaries of aeronautical knowledge for the benefit of the Nation and the broad aeronautics community, which includes the Agency's partners in academia, industry, and other government agencies. ARMD is conducting high-quality,... [Read more>>](#)

### + Topic A1 Aviation Safety

The Aviation Safety Program conducts fundamental research and technology development of known and predicted safety concerns as the nation transitions to the Next Generation Air Transportation System (NextGen). Future challenges to maintaining aviation safety arise from expected significant increases... [Read more>>](#)

### + Topic A2 Unmanned Aircraft Systems

The Integrated Systems Research Program (ISRP) conducts research at an integrated system-level on promising concepts and technologies and explores, assesses and/or demonstrates their benefits in a relevant environment. The integrated system-level research in this program will be coordinated with... [Read more>>](#)

### + Topic A3 Air Vehicle Technology

The Air Vehicle Technology topic solicits cutting-edge research in aeronautics to overcome technology barriers and challenges in developing highly efficient aircraft systems of the future, with reduced impact to the environment. The primary objective is the development of innovative design tools,... [Read more>>](#)

### + Topic A4 Ground and Flight Test Techniques and Measurement

The Aeronautics Test Program (ATP) supports the experimental modeling and simulation requirements of NASA's Aeronautics Research Mission Directorate from takeoff speeds through Mach 10. It ensures the long-term availability and health of NASA's major wind tunnels/ground test facilities and flight... [Read more>>](#)

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Small Business Innovation Research / Small Business Technology Transfer

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**Success Stories**

**Videos**

**What changes or enhancements to the program have you made recently or plan to make in the future?**

Interview with NASA SBIR/STTR Program Executive Dr. Richard Leshner [Watch](#)

**Proposers**

- SBIR/STTR Basics
- SBIR/STTR Schedule
- Participation Guide
- SBIR/STTR Firms Library
- Model Contract
- Training Resources
- FAQs

**Awardees**

- Demographics Data

**News and Upcoming Events**

**News**

- The next SBIR/STTR Solicitation is currently planned for release in November 2013
- SBIR/STTR Select 2012 Phase II Proposal Submission EHB Proposals due no later than 5:00 pm ET on the last day of the Phase I contract
- NASA STTR Partnering Project on SBIR Gateway New FREE tool to help Small Businesses and Research Institutions connect and partner on a NASA STTR topic

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**2012 SBIR/STTR Solicitation**

Office of the Chief Technologist  
**SBIR/STTR**  
General Solicitation  
Sept. 19-Nov. 29, 2012

**2012 SBIR Select Solicitation**

Office of the Chief Technologist  
**SBIR**  
Select Program Solicitation  
Sept. 17-Dec. 29, 2012

**Space Technology Mission Directorate**

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**Resources**

- STMD News & Media
- Space Technology Roadmap
- Office of the Chief Technologist
- Partnering with NASA

**Office of Inspector General**

Report crime, fraud, waste, and mismanagement in NASA's programs to the OIG

[Report Fraud/Waste/Abuse](#)

**Curator: Samidha Manu**  
NASA Official: Richard B. Leshner  
Last Updated: 25-Oct-2013

- NASA Information on the American Recovery and Reinvestment Act of 2009
- Budgets, Strategic Plans and Accountability Reports
- Equal Employment Opportunity Data Posted Pursuant to the No Fear Act
- Information-Dissemination Policies and Inventories
- Freedom of Information Act
- Privacy Policy & Important Notices
- NASA Advisory Council
- Aerospace Safety Advisory Panel
- Inspector General Hotline
- Office of the Inspector General
- NASA Communications Policy
- Contact NASA
- Business USA
- USA gov
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- Help and Preferences

- Electronic Handbook (EHB)

YOU MUST FIRST BE REGISTERED WITH THE SMALL BUSINESS ADMINISTRATION AT:  
<http://www.sbir.gov/registration>

<http://sbir.nasa.gov>



# SBIR/STTR Proposal Submission EHB Login Page



**SBIR / STTR**  
ELECTRONIC HANDBOOKS

**SBIR/STTR Proposal Submission EHB**

## Submission Home

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[Contract Admin and  
Closeout handbook](#)

[Solicitations](#)

**[SBIR/SBIR Select/STTR 14-I](#)**

[Help/FAQs](#)

[What's New](#)

## NASA SBIR/STTR Login

This Electronic Handbook (EHB) is designed to help you prepare and submit proposals using a paperless process. Please visit the [NASA SBIR/STTR Firms Library](#) to view templates and samples of all potential deliverables, including those required for proposal submissions. Then return to this EHB to submit your proposals. Refer to [Background](#) to learn more about the NASA SBIR/STTR Programs. If you have not done so yet, please read "What's New" which lists the significant differences from last year.

We strongly encourage you to start using the Handbook early in the process of submitting your SBIR and/or STTR proposals.

**WARNING!** This is a US Government System for the use of authorized users only. By accessing and using the computer system you are consenting to system monitoring, including the monitoring of keystrokes. Unauthorized use of, or access to, this computer system may subject you to disciplinary action and criminal prosecution.

### LOGIN

User ID:

Password :

**LOGIN**

[Forgot Your Password?](#)

**To submit proposals, you must REGISTER /  
ACTIVATE first.**

### ATTENTION

**Proposals are due by 5:00 p.m. ET on  
07/31/2014. Submissions after the deadline  
will be considered LATE and handled  
accordingly.**

# SBIR/STTR Proposal Submission EHB

## Activity Worksheet



### Submission Home

[SBIR Proposals](#)[STTR Proposals](#)[SBIR Select Proposals](#)[Certifications](#)[Audit Information](#)[Prior Awards Addendum](#)[Commercial Metrics Survey](#)[2014 SBIR/STTR Solicitation](#)[2014 Select Solicitation](#)[What's New](#)

### SBIR 2014-I Activity Worksheet

Please review the proposal instructions outlined in the Solicitation and read the [Form instructions](#) (opens in new window) carefully before proceeding. You can also view the [NASA SBIR/STTR Firms Library](#) for proposal samples. For security reasons, we recommend that you logout (see link on top right) when your session is over.

Firms are required to complete the Certifications, Audit Information, and Commercial Metrics Survey sections that are applicable across all proposals submitted to this Solicitation. In addition, if your firm has received more than 15 Phase II awards in the prior 5 fiscal years, you must complete the Prior Awards Addendum. These are all accessible via the left-hand menu or via the Status section below.

For each individual proposal submission, Firms are required to electronically complete Forms A, B, C and the briefing chart; upload the Technical Proposal; and electronically endorse the submission. To start a proposal click on "Start New Proposal". Once the proposal has been initiated, updates can be made via the Activity Worksheet below.

[+ START NEW PROPOSAL](#)[MANAGE PROPOSALS](#)

**Note:** The designated Firm Admin, typically the first person to register your Firm, is the only individual authorized to update the Firm level certifications and forms identified below.

#### Status of Required Firm Level Forms

☒ **Certifications**☐ **Audit Information**☐ **Prior Awards Addendum**☐ **Commercial Metrics Survey**

**Legend:** ☐ Not Started ☐ Incomplete ☒ Complete ☐ Optional

Listed below are all the proposals you have started.

[Provide Access to Official/Others](#) | [Endorse Proposal \( To be endorsed by SBC Official , Principal Investigator \)](#) | [Print Forms](#)

**H1.01-8500****Test Proposal 0001**

**Cover Form A**  
**Incomplete**  
Updated  
07/15/14 13:06

**Summary Form B**  
**Complete**  
Updated  
07/15/14 15:58

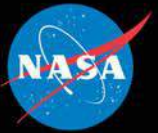
**Budget Form C**  
**Incomplete**

**Technical Proposal**  
**Uploaded**  
Updated  
07/15/14 16:10

**Briefing Chart**  
**Incomplete**

# SBIR/STTR Proposal Submission EHB

## Budget Form C



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**SBIR/SBIR Select/STTR 14-I Proposal Submission EHB**

Welcome Heather  
Last login: 7/15/14 12:56 PM

Form A ☐ Form B ☒ Form C ☐ Technical Proposal ☒ Briefing Chart ☐

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[STTR Proposals](#)

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[Certifications](#)

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[Commercial Metrics Survey](#)

[2014 SBIR/STTR Solicitation](#)

[2014 Select Solicitation](#)

[What's New](#)

### SBIR 2014-I - Budget Form C

[Direct Labor](#) > [Overhead](#) > [ODCs](#) > [Subcontractors/Consultants](#) > [G&A](#) > [Profit/Cost Sharing](#) > [Audit info](#) > [Review](#)

#### Proposal # H1.01-8500 : Direct Labor

Please **read the instructions** (opens in new window) carefully before proceeding. If you used the browser's BACK button to come to this page, please [reload/refresh](#) now.

**Labor Costs and Information:** Enter the labor description and cost for each person who will be working on the proposed research effort. Please note that each employee's contribution to the project must be identified in the technical proposal. Do not include labor costs for employees who are not directly contributing to the project. Costs for these should be included in the Overhead or G&A sections of this proposed budget.

Please detail the labor used for each year of the proposed research effort separately below.

Category:	Chemical Engineer	Description:	Principal Investigator
Education:	PhD	Years of Experience:	20
Hours:	200	Rate (\$):	140.00
		Fringe Rate (%) (if applicable):	
Total(\$)(hours x rate x fringe rate):	28000		

Category:	Chemical Technician	Description:	Jr. Technician
Education:	Bachelors Degree	Years of Experience:	5
Hours:	250	Rate (\$):	65.00
		Fringe Rate (%) (if applicable):	





# NASA SBIR/STTR Firm Library

[https://sbir.gsfc.nasa.gov/sbir/firm\\_library/index.html](https://sbir.gsfc.nasa.gov/sbir/firm_library/index.html)



## SBIR/STTR

Small Business Innovation Research / Small Business Technology Transfer

### Firm Library

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### Welcome to NASA SBIR/STTR Firm Library

The NASA SBIR/STTR Firm Library contains templates and samples of all potential proposal and contract deliverables for Phase I and Phase II. This library should be utilized by the Firms to aid in the preparation of their deliverables. Firms must submit their deliverables via the Electronic Handbooks (EHBs). [Click here](#) to access the Awardee Firm's Contract Administration and Closeout Electronic Handbook.

#### Links

[Phase I Proposal](#)

[Phase I Draft Model Contracts](#)

[Phase I Contract Interim Deliverables](#)

[Phase I Contract Final Deliverables](#)

[Phase II Proposal](#)

[Phase II Draft Model Contracts](#)

[Phase II Contract Interim Deliverables](#)

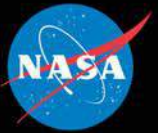
[Phase II Contract Final Deliverables](#)

[Post-Phase II Contract Closeout](#)

If you have difficulties viewing this site, please contact **Technical Support** at (301) 937-0888 or email [sbir@reisys.com](mailto:sbir@reisys.com)

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# Contact



<http://sbir.gsfc.nasa.gov/content/nasa-sbirsttr-program-contacts>



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### NASA SBIR/STTR Program Contacts

#### NASA SBIR/STTR Program Support Office

For questions about the NASA SBIR/STTR solicitations, the proposal preparation and electronic submission process, and other program related areas, please contact the NASA SBIR/STTR Program Support Office.

Phone: 301-937-0888  
Email: [sbir@reissystems.com](mailto:sbir@reissystems.com)  
Hours: Monday through Friday from 9am to 5pm ET

#### NASA SBIR/STTR Program Management Office

The Space Technology Mission Directorate provides overall policy direction for implementation of the NASA SBIR/STTR programs. The NASA SBIR/STTR Program Management Office, which operates the programs in conjunction with NASA Mission Directorates and Centers, is hosted at the NASA Ames Research Center.

**Program Executive: (Vacant)**

**Deputy Program Executive: (Acting Program Executive)**  
Dr. Joseph Grant  
NASA HQ/Space Technology Mission Directorate  
300 E Street, SW  
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Telephone: 202-358-0070  
email: [Joseph.Grant-1@nasa.gov](mailto:Joseph.Grant-1@nasa.gov)

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Telephone: 650-604-6595  
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**Business Manager:**  
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**Technology Infusion Manager:**  
Dr. Ryszard (Rich) Pisarski  
MS 202A-3/Ames Research Center

#### NASA Center SBIR/STTR Contacts

The prime contacts at each NASA center for the SBIR/STTR programs are listed below. Those interested in submitting proposals may communicate with NASA mission program personnel and researchers to learn about the needs and objectives of mission programs except when a Solicitation is active (between the date of issue and the deadline for receipt of proposals).

**SBIR Mission Directorate Liaison Centers:**

**Aeronautics Mission Directorate (ARMD)**  
Glenn Research Center (GRC)  
Ms. Gynelle C. Steele  
MS 4-8  
Cleveland, OH 44135-3127  
Telephone: 216-433-8258  
email: [Gynelle.C.Steele@nasa.gov](mailto:Gynelle.C.Steele@nasa.gov)

**Science Mission Directorate (SMD)**  
Jet Propulsion Laboratory (JPL)  
Mr. Richard Terrile  
M/S 171-264  
4800 Oak Grove Drive  
Pasadena, CA 91109-8099  
Telephone: 818-354-6154  
email: [Richard.J.Terrile@jpl.nasa.gov](mailto:Richard.J.Terrile@jpl.nasa.gov)

**Human Exploration and Operations Mission Directorate (HEOMD)**  
**Space Technology Mission Directorate (STMD)**  
Langley Research Center (LaRC)  
Mr. Robert L. Yang  
MS 211  
Hampton, VA 23681-2199  
Telephone: 757-864-8020  
email: [Robert.L.Yang@nasa.gov](mailto:Robert.L.Yang@nasa.gov)

**SBIR Technology Infusion Points of Contact:**

**Ames Research Center (ARC)**  
Ms. Jana Killebrew  
Ames Research Center/MS 202A-3  
Moffett Field, CA 94035-1000  
Telephone: 650-604-0241

#### RELATED LINKS

- [Solicitations](#)
- [Participation Guide](#)
- [Sources of Assistance](#)
- [SBIR.gov](#)





Thank you!