

Small Business Innovation Research and Small Business Technology Transfer Programs

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Sponsoring Program(s)

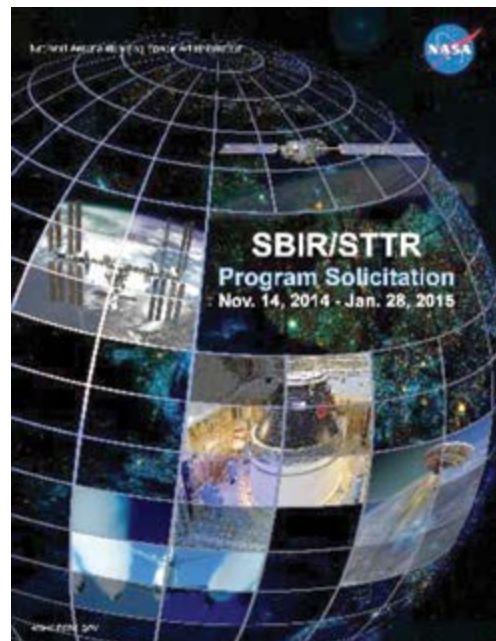
Space Technology Mission Directorate
Small Business Innovation Research/Small Business
Technology Transfer Program Office

Project Description

The Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) programs fund the research, development, and demonstration of innovative technologies that fulfill NASA's needs as described in the annual Solicitations and have significant potential for successful commercialization. The only eligible participants are small business concern (SBC) with 500 or fewer employees or a nonprofit research institute such as a university or a research laboratory with ties to an SBC. These programs are potential sources of seed funding for the development of small business innovations.

Notable Accomplishments

The FY 2014 SBIR/STTR Solicitations (see figures for cover pages) opened for companies to submit proposals for phase I feasibility studies. For Human Exploration and Operations Mission Directorate subtopics, NASA Marshall Space Flight Center (MSFC) was lead Center on four subtopics: Nuclear Thermal Propulsion, Extreme Temperature Structures, Spacecraft Cabin Atmosphere Quality and Thermal Management, and Recycling Reclamation of 3-D Printer Plastic, and participating Center in eight subtopics.



For Science Mission Directorate (SMD), MSFC was lead Center for two subtopics: Advanced Optical Systems and Slow and Fast Light, and participating Center for 12 subtopics.

For the Space Technology Mission Directorate, MSFC was lead Center for one subtopic: Large-Scale Polymer Matrix Composites Structures, Materials and Manufacturing Processes, and participating Center on one subtopic.

For the SBIR SELECT Solicitation, MSFC was lead Center for one SMD subtopic: Advanced Technology Telescope for Balloon and Sub-Orbital Missions, and participating Center in one subtopic.

For STTR solicitation, MSFC was lead Center for two subtopics: Affordable Nano/Micro Launch Propulsion Stages and Experimental and Analytical Technologies for Additive Manufacturing, and participating Center on one subtopic.

MSFC received 32 FY 2014 phase I awards and eight phase II awards.

ZP30 developed briefing charts for SBIR/STTR technical monitor's (TM's) and contracting officer's (COR's) technical reps and conducted these briefings on May 2 and 14. The MSFC SBIR Office along with the Center New Technology Representative and NASA Shared Services Center provided valuable information to assist the TMs and CORs in the successful execution of phases I and II contracts.

MSFC awarded 32 SBIR/STTR FY 2014 phase I contracts and 10 FY 2012 phase II contracts.

MSFC awarded six phase III contracts. These contracts will continue the development of the SBIR/STTR innovation with funding from NASA programs/projects and/or external funding sources. Of these five contracts, three were funded by Space Launch Systems, two were funded by Advanced Exploration Systems, and one was funded by Technology Excellence.