



U.S. AIR FORCE

SEEDING THE FUTURE PROGRAM OVERVIEW



ELIGIBILITY REQUIREMENTS

SBIR

- Applicant is for-profit business based in the United States
- 500 or fewer employees
- Principal investigator's primary employment (more than 50 percent) must be with small business
- Additional requirements apply

STTR

- Applicant is for-profit business based in the United States
- Partner with U.S. research institution
- Formal cooperative research and development effort
- At least 40% of work performed by small business while 30% of work performed by research institution
- Additional requirements apply

PROPOSAL SUBMISSIONS

A SBIR or STTR Phase I or Phase II proposal for any DoD component must be submitted through the online DoD submission website at:

<https://sbir.defensebusiness.org>

Air Force experts evaluate the proposals on the following criteria, which are listed in order of importance:

- Soundness, technical merit, and innovation of the proposed approach and its incremental progress toward topic or subtopic solution;
- Qualifications of the principal/key investigators, supporting staff, and consultants. Qualifications include not only the ability to perform the research and development, but also the ability to commercialize the results; and
- The potential for commercialization (government or private sector), application, and the benefits expected to accrue from this commercialization;

Note: Technical reviewers will base their conclusions only on information contained in the proposal. It cannot be assumed that reviewers are acquainted with the firm, key individuals, or any referenced experiments. Relevant supporting data such as journal articles, literature, including government publications, etc., should be contained, or referenced, in the proposal and will count toward the page limit.

CONTRACT AWARDS

- Phase I selections typically made within 90 days of Broad Agency Announcement closing
- Contracts typically awarded within 180 days (*similar timing for Phase II*)
- Principle investigator/corporate official notified of non-selected proposal
- Proposer may request a debriefing

BEYOND PHASE II

Phase III funding may be for products, services, research/R&D or any combination thereof, including testing and evaluation of products, services or technologies for use in technical or weapon systems.

The Air Force provides valuable assistance in transitioning technology to the military and commercial sectors. Commercialization Readiness Program technical analysts are assigned to each Program Executive Office and Air Force Research Laboratory technology directorate to establish and facilitate connections between the customer (Air Force, major defense contractors, etc.), customer's need, and the developing technology.

PROGRAM GOALS

The goals of the SBIR/STTR program are:

- Stimulate technological innovation
- Meet federal R&D needs (*SBIR only*)
- Foster and encourage participation in innovation and entrepreneurship by socially and economically disadvantaged persons
- Increase private-sector commercialization of innovations derived from federal R&D funding

THE AIR FORCE

Is an investor and a customer

- Focused on the warfighter
- About 170 topics per year
- Company retains data rights for 5 years
- Sole sourcing allowed for follow-on awards
- 15% of awardess are first-time selectees

PHASE I

- Feasibility study
- \$150K and 9 months

PHASE II

- Full R&D effort leading to prototype
- Up to \$750K initially and 2 years
- Enhancements/ extensions possible
- Commercialization/ transition assistance if warranted

PHASE III

- Final development/ production
- External (non-SBIR) funding from government or private sources



“Inventors make stuff — Innovators make history.”

DAVID SHAHADY

U.S. AIR FORCE SBIR/SSTR PROGRAM DIRECTOR



AIR FORCE SBIR/SSTR PROGRAM OFFICE

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ANNOUNCEMENT SCHEDULE

PROGRAM	PRE-RELEASE	OPEN	CLOSE
SBIR 18.1 AND STTR 18.A	NOV 29, 2017	JAN 8, 2018	FEB 7, 2018
SBIR 18.2 AND STTR 18.B	APR 20, 2018	MAY 23, 2018	JUN 20, 2018
SBIR 18.3 AND STTR 18.C	AUG 24, 2018	SEP 24, 2018	OCT 24, 2018

- DoD Broad Agency Announcements are issued at fixed times
- Topics are predetermined
- Announcement instructions are critical, so follow them carefully

Broad Agency Announcement dates are subject to change. To verify the most up-to-date schedule of planned releases and deadlines, visit: <https://sbir.defensebusiness.org>

PROGRAM BUDGET AND GOALS

May 2018



Air Force SBIR/STTR Program Office

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TECHNOLOGY FOCUS AREAS

REVOLUTIONARY

game-changing technologies

AIR DOMAIN

- Autonomy
- Speed
- Advanced Aircraft Adaptive Architecture

SPACE DOMAIN

CYBERSPACE DOMAIN

GLOBAL C2 & ISR

MISSION SUPPORT

ENABLING TECHNOLOGIES

MANUFACTURING MATERIALS

DIRECTED ENERGY

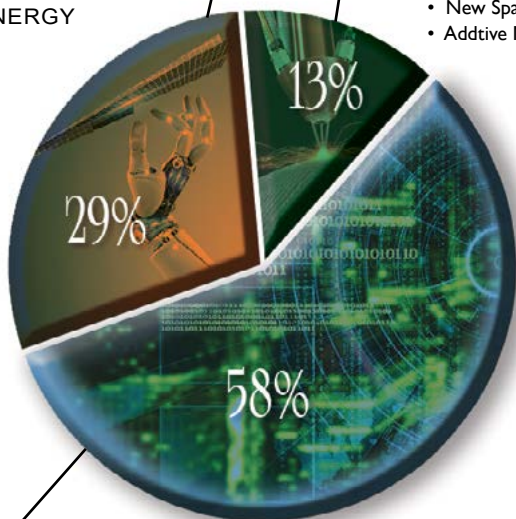
AUTONOMY

RESPONSIVE

technologies to meet critical needs

RAPID PROTOTYPE SOLUTIONS

- Autonomy and Automated Systems
- Artificial Intelligence
- Space Situational Awareness
- UAVs
- New Space Capabilities
- Additive Manufacturing



RELEVANT

technologies in support of Air Force major commands

AGILE COMBAT SUPPORT

AIR SUPERIORITY

COMMAND & CONTROL

CYBERSPACE SUPERIORITY

EDUCATION & TRAINING

GLOBAL INTEGRATED INTELLIGENCE SURVEILLANCE & RECONNAISSANCE

GLOBAL PRECISION ATTACK

NUCLEAR DETERRENCE OPERATIONS

PERSONAL RECOVERY

RAPID GLOBAL MOBILITY

SPECIAL OPERATIONS

SPACE SUPERIORITY