SBIR / STTR PROGRAM

Small Business Innovation Research / Small Business Technology Transfer

CREATING & PREVENTING TECHNOLOGICAL SURPRISE

DARPA

SBIR/STTR @ DARPA

Identifies & Funds Early Stage R&D Projects with Potential for High Payoff and Breakthrough Capabilities for the Warfighter

Taps Innovation from US Small Businesses & Research Institutions in the Context of Tomorrow's Environment for National Security and Technology

Explores Promising Technologies & Solution Alternatives via Low-Cost Investigations

Supports the Transition of Disruptive Technologies into DoD Programs or Commercial Products

SBIR/STTR PHASES

PHASE I — PHASE II

Idea → Determine Merit of Idea → Prototype & Test → Transition and Commercialization

TOPIC SELECTION @ DARPA

How are topics for SBIR/STTR projects selected? And by whom?

CALL FOR TOPICS
SBIR/STTR ADMINISTRATOR

SUBMIT TOPICS
DARPA PROGRAM MANAGER

PRIORITIZE TOPICS SUBMITTED by PMs
TECHNOLOGY OFFICES

SELECT TOPICS for SBIR/STTR SOLICITATION
DARPA DEPUTY DIRECTOR

RELEASE TOPICS TO INDUSTRY
DoD OSBP

Government Process

JOURNEY FROM LAB TO MARKET

Small Business Activities

START HERE

President & Congress

Program Reauthorization

NDAA & Appropriations

SBA

SBIR/STTR Policy

OMB

Apportion $$ to Government Agencies

DoD OSBP

DoD Policy & Administration

Allocate $$ to DoD Agencies

DoD Comptroller

DARPA

Execute Program

ROAD TO INNOVATIVE, GAME CHANGING TECHNOLOGY

FUNDAMENTAL DISCOVERIES

REVOLUTIONARY, HIGH-PAYOFF RESEARCH

COMPETITION OF CONCEPTS

COLLECT DATA

DETERMINE FEASIBILITY

GROUNDBREAKING SOLUTIONS

EXECUTE TRANSITIONAL ACTIVITIES (FROM PHASE I TO PHASE II)

ADDRESS EXISTING & EMERGING NATIONAL-SECURITY THREATS

BUILD — TEST — PROTOTYPE

PROTOTYPE IN TEST ENVIRONMENT

CONTINUOUSLY EXPLORE AND ASSESS OPPORTUNITIES TO DELIVER TECHNOLOGY TO MILITARY AND COMMERCIAL MARKETS

3 - 4 Months — 6 Months — 2 Months — 3 Months — 24 Months — 24 MONTHS AND BEYOND

POST SBIR/STTR ACTIVITIES

1 PHASE I Submission & Evaluations

Review Topics, Open Communication

Solicitation Open/ Submit Phase I Proposals

Phase I Proposals Evaluated

Phase I Selected for Contract Negotiation

Phase I Selection

2 PHASE I Contract Negotiations

Contracting Officer Verifies Small Business Certifications

Contracting Officer Reviews Statement of Work

Contracting Officer Reviews Key Tech Objectives

Phase I Awarded

Contract Awards

3 PHASE I Project Feasibility

Start Work

Complete Key Tech Objectives

Proof of Concept & Data

Submit Phase I Final Report

Phase I Final Report

4 PHASE II Submission & Evaluations

Submit Phase II Proposals

Phase II Proposals Evaluated

Phase II Selected for Contract Negotiation

Exercise option if applicable

Phase II Selection

5 PHASE II Contract Negotiations

Contracting Officer verifies Small Business Certifications

Contracting Officer Verifies DCAA Compliance

Contracting Officer Reviews Statement of Work

Contracting Officer Reviews Key Tech Objectives

Phase II Awarded

Invitation to Transition & Commercialization Support Program (TCSP)

Opt-out

Opt-in

TCSP Kickoff

Contract Awards

6 PHASE II Project Development to Prototype

Start Work

Complete Key Tech Objectives

Prototype/ Application

Benchmark Results

Exercise option if applicable

Submit Phase II Final Report

Phase II Final Report

TRANSITION & COMMERCIALIZATION

Transition Innovations & Disruptive Technologies into DoD Programs or Commercial Products

Increase Private-sector Commercialization of Innovations Derived from Federal R&D Funding

DoD PLATFORMS & PROGRAMS

FEDERAL PROGRAMS

COMMERCIAL APPLICATIONS

Transition & Commercialization

PROPOSAL & COMMERCIALIZATION PLAN	NETWORK	REQUEST	EXPLORE IDEAS	ADD RESOURCES	IDENTIFY CUSTOMERS	MARKET TECHNOLOGY	DEMONSTRATE
ALIGN IDEAS WITH CAPABILITY GAPS	NETWORK WITH PMs, ACADEMIA, INDUSTRY & PARTNERS	REQUEST PAYMENT SCHEDULE THAT SUSTAINS THE PHASE I CONTRACT	IDENTIFY POTENTIAL APPLICATIONS	ADD CRITICAL BUSINESS RESOURCES FOR DCAA COMPLIANCE	MATCH TECHNOLOGY TO POTENTIAL CUSTOMERS & NON-SBIR FUNDING	ASSESS TECHNOLOGY READINESS LEVELS, IDENTIFY PARTNERS	PARTICIPATE IN DEMOS & EXPERIMENTS, MOVE TO PRODUCTION & SALES

DARPA'S MISSION

DARPA's mission is to make the pivotal early technology investments that create or prevent decisive surprise for U.S. national security.

TECHNOLOGY OFFICES

BTO - Biological Technology
Biology, Technology, & Complexity

DSO - Defense Sciences
Discovery, Modeling, Design & Assembly

I2O - Information Innovation
Information, Innovation & Cyber

MTO - Microsystems
Electronics, Photonics & MEMS

STO - Strategic Technology
Networks, Cost Leverage & Adaptability

TTO - Tactical Technology
Weapons, Platforms, & Space

http://www.darpa.mil/our_work/

SBIR/STTR Research Supports DARPA's Mission and Programs

- Explore High Risk Concepts & Ideas Without Expense of Larger Programs
- Test & Evaluate Alternatives or Solution Subsets To Reduce Risk
- Provides up to $1.6M per Project for Promising Technologies
- Leverage Unique Skillsets & Novel Ideas to Address High Priority Military Needs

DARPA Small Business Program Office Supports Small Business

Funding to Develop Your Idea & Bring it to Life	Expert Counsel to Guide Technology Development
Introductions to Potential Buyers, Partners & Investors	Coaching, Training & Tools to Transition Your Ideas from the Lab to the Market

For More Information

DARPA
www.darpa.mil

SBIR/STTR
www.dodsbir.net

SBIR/STTR Solicitations
www.acq.osd.mil/osbp/sbir

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