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Introduction

This is the seventh annual report presented by the U.S. Small Business Administration (SBA) pursuant to Public Law 102-564, the Small Business Research and Development Enhancement Act of 1992.

This report describes the operation and administration of the Small Business Technology Transfer program (STTR) for fiscal year 2000.

Summary of Legislation

Public Law 102-564

Title I of Public Law 102-564 amended the Small Business Act by reauthorizing the Small Business Innovation Research (SBIR) program. After extensive hearings by several committees and review of extensive testimony from numerous experts, Federal Government officials, participating small businesses, beneficiaries, and oversight groups including the General Accounting Office, Public Law 102-564 was passed by the Congress. At the time it was reauthorized, the SBIR program had been in effect for a decade, during which it achieved remarkable success in its program goals of helping small businesses develop important technology and helping keep the Nation at the forefront of technological innovation.

Seeking to further expand small business opportunities in the technical arena, Title II of the Act, established the STTR program.

The STTR program shares the underlying philosophy of the SBIR program. It targets federally funded research and development as a base for technological innovation that will contribute to the growth and strength of the Nation's economy. It differs from the SBIR program in that STTR awards are made to small businesses that pursue technological innovation through cooperative research and development with Federal laboratories and non-profit scientific and educational institutions.

Duration of the Program

The Small Business Technology Transfer Program

Funding

Federal agencies that participate in the STTR program must have an extramural budget for research or research and development in excess of $1 billion. Program guidelines established the following percentages of funds an agency could expend with small businesses in connection with the STTR program:

- Not less than 0.05 percent of such budget in fiscal year 1994;
- Not less than 0.1 percent of such budget in fiscal year 1995; and
- Not less than 0.15 percent of such budget in fiscal year 1996, 1997, or thereafter.

Federal Agencies Participating

The five Federal agencies that meet the funding threshold and are participating in the program are:

- Department of Defense
- Department of Energy
- Department of Health and Human Services
- National Aeronautics and Space Administration
- National Science Foundation

The Three-Stage STTR Process

Public Law 102-564 structured the STTR program as a three-phase process designed to identify and nurture promising research and development interests within the small business community. These phases are:

Phase I: Awards are made to determine, to the extent possible, the scientific, technical, and commercial merit and the feasibility of ideas submitted. Phase I awards generally will not exceed $100,000 and are for a 1-year effort. Award amounts are set at the discretion of the participating agencies.

Phase II: In Phase II, Phase I projects with the most potential may be funded to further develop ideas to meet particular program needs. Phase II awards will generally not exceed $500,000 for a 2-year effort. Specific amounts awarded are at the discretion of the awarding agencies.

Phase III: No Federal STTR funds are expended during this phase. In Phase III, program participants pursue commercial applications of the innovations developed in Phases I and II. However, in Phase III, program participants may receive additional non-STTR Federal funds to develop products and services for use by the Federal Government. They may also receive awards from non-STTR Federal funding sources for continuation of competitively selected research and research and development.

Eligibility for Participation in STTR

The STTR program involves cooperative research and development performed jointly by a small business and a research institution. Thus, each STTR project involves at least two partners, each of which must meet eligibility
criteria in order for the project to be funded.

To be eligible for an STTR award, a small business must have no more than 500 employees, be independently owned and operated, not be dominant in the field of operation in which it is proposing, have its principal place of business in the United States, be organized for profit, and be primarily owned by U.S. citizens.

To be eligible for participation in an STTR award, a research institution must be a non-profit institution as defined by the Stevenson-Wydler Technology Innovation Act of 1980, or a federally funded research and development center (FFRDC) as identified by the National Science Foundation in accordance with the Office of Federal Procurement Policy Act. Thus, most universities and colleges, non-profit research centers, and Federal Government-owned, company-operated laboratories are eligible.

Small businesses interested in participating in the STTR program are required to find a research institution meeting this definition and to develop a working agreement before proposing to compete for an STTR award.

Distribution of Work

An STTR award is intended to be a true partnership venture for both the small business and the research institution. To ensure such a relationship, the program establishes minimum performance levels for each participant. Public Law 102-564 stipulates that under an STTR award, the small business must perform at least 40 percent of the work, and the research institution must perform at least 30 percent of the work.

Management of STTR Projects

Although the conduct of the project is a cooperative research and development venture, the small business exercises overall management, control, and responsibility for the project.

Participating agencies are required to ensure that the small business manages and controls the funding agreement pursuant to a business plan that provides for the commercialization of the technology being funded.

Continued Use of Federal Government Property

STTR guidelines also direct Federal agencies to allow small businesses that use Federal Government equipment during the conduct of an STTR award to continue to do so for not less than 2 years after the beginning of Phase III.

Model Agreements

Public Law 102-564 directs SBA to establish guidelines for a model agreement to be used by all STTR participating agencies in allocating intellectual property rights and follow-on rights.

Representatives of each of the five participating agencies issued two model agreements: one published by the Departments of Energy and Health and Human Services, and the other published by the Department of Defense, the National Science Foundation, and the National Aeronautics and Space Administration. The SBA approved both model agreements.

Small businesses are required to negotiate agreements with research institutions, but they are not required to use the model agreements. Rather, they
are free to formulate and execute their own agreements or to use the models in whole or in part.

Rights to Data

A major concern of small, innovative firms is that data generated while performing research and development for the Federal Government will be made public. Therefore, STTR legislation stipulates that the program provide for the small business to retain the rights to data it generates while performing in the STTR program. These retention rights remain effective for at least 4 years. The intent of this provision is to authorize the participating agency to protect technical data generated under the STTR funding agreement and to refrain from disclosing such data to competitors of the small business. The statute also stipulates that the agency cannot use the information to produce future technical procurement specifications, thus protecting the participating small business until it has a reasonable chance to seek patent protection, if appropriate.

Therefore, the Policy Directive mandates that, except for program evaluation, participating agencies must protect technical data for at least 4 years from the completion of the project that generated the data. The Federal Government, however, retains a royalty-free license for Federal Government use of any technical data delivered under an STTR funding agreement, whether patented or not.

Follow-On Funding Agreements

Following completion of Federal research and development contracts, it is not unusual for the agency involved to have further requirements that result in a continuation of work. There have been numerous instances in which, following the completion of Phase II of STTR, agencies had requirements to continue development of an innovation or need to produce a product or service developed under the STTR award. To ensure smooth continuation of this work, protect the commercial rights to the innovation, and continue to employ the expertise of the originating small business, agencies are directed, to the degree practicable, to award any non-STTR, follow-on contracts or grants to the originating small business. To make this process more efficient, participating agencies have been advised that the competition for an STTR award serves as meeting the requirements of the Competition in Contracting Act. This allows the agencies to award non-STTR, follow-on work to the small business without further competition.

Critical Technologies

STTR legislation calls for agencies to give special consideration to broad research topics and to topics that further one or more critical technologies. These technologies are identified by the National Critical Technologies Panel (or its successor). To assist the agencies with this requirement, SBA requested a complete listing of critical technologies from the National Critical Technologies Panel and the Office of the Secretary of Defense. These listings were sent to each participating agency.
Authorities and Responsibilities of the Participants

Participating Agencies

As set forth in Public Law 102-564, the authorities and responsibilities of Federal agencies participating in the STTR program are to:

1. Unilaterally determine categories of projects to be included in its STTR program.

2. Issue STTR solicitations according to a schedule determined cooperatively with the SBA.

3. Unilaterally determine research topics within the agency's STTR solicitations, giving special consideration to broad research areas that further one or more critical technologies as identified by either the National Critical Technologies Panel or the Secretary of Defense.

4. Unilaterally receive and evaluate proposals resulting from STTR solicitations.

5. Unilaterally select awardees for its STTR funding agreements and inform each awardee, to the extent possible, of the allowable expenses under the funding agreement.

6. Administer its own STTR funding agreements.

7. Pay recipients on the basis of progress toward or completion of the STTR funding agreement requirements.

8. Submit an annual report on the STTR program to the SBA and the Office of Science and Technology Policy.

9. Develop a model agreement for approval by the SBA that allocates between small businesses and research institutions intellectual property rights and any rights to carry out follow-on research, development, or commercialization.

10. Develop procedures in consultation with the Office of Federal Procurement Policy and the Office of Federal Government Ethics to ensure that federally funded research and development centers that participate in STTR agreements:

A) Are free from organizational conflicts of interest relative to the STTR program.

B) Do not use privileged information gained through work performed for an STTR agency or private access to STTR agency personnel in the development of an STTR proposal.

C) Use outside peer review, as appropriate.

11. Develop procedures for assessing the commercial merit and feasibility of STTR proposals.

Small Business Administration

Public Law 102-564 designates the SBA as the lead Agency to implement the program, govern its policy, and monitor and analyze its performance. As lead
Agency, the SBA's authorities and responsibilities are to:

1. Develop, coordinate, and issue a Policy Directive for the general conduct of the STTR programs.

2. Assist small businesses in obtaining Federal Government contracts for research and development.

3. Assist small businesses in obtaining benefits of research and development performed under Federal Government contracts or at Federal Government expense.

4. Develop and maintain a source file and an information program to help ensure each qualified and interested small business the opportunity to participate in technology transfer pilot programs involving Federal agencies.

5. Coordinate with participating agencies a schedule for release of STTR solicitations and prepare a master release schedule that maximizes small businesses' opportunities to respond to solicitations.

6. Independently survey and monitor the operation of STTR programs within participating Federal agencies.

7. Report not less than annually to the Congress on the STTR programs of the Federal agencies.

8. Consult, cooperate, perform studies, and make recommendations to Federal Government agencies.

9. Consult with representatives of small business to assist and encourage such firms to undertake joint programs for research and development.

The STTR Program Policy Directive

Public Law 102-564 authorized the SBA to issue a Policy Directive to conduct the STTR Pilot Program within the Federal Government. Before issuing this Policy Directive, the SBA consulted with the heads of the two Federal agencies participating in the formulation of the program: the Commissioner of Patents and Trademarks and the Administrator of the Office of Federal Procurement Policy.

The SBA met with the representatives of each of these organizations, and after significant discussion and modifications, finalized the Policy Directive effective October 1, 1993.

The Policy Directive guides participating agencies in the operation of the STTR programs. It mandates simplified, standardized, and timely solicitations and funding processes. It also directs the participating agencies to reduce regulatory burdens associated with participation in STTR programs. In addition, the directive also provides guidelines for a model agreement to be used by all agencies for allocating intellectual property and other rights between small businesses and research institutions. It also provides procedures to ensure that recipients of STTR awards meet eligibility requirements as small businesses and that they manage and control the performance of the STTR funding agreement.

Finally, the directive instructs the participating agencies to develop procedures to ensure follow-on, non-STTR funding agreements with the small business when appropriate.
Surveying, Monitoring, and Reporting

Pursuant to the legislation, the SBA is required to independently survey and monitor the operation of STTR programs within participating Federal agencies. The law directs SBA to report not less than annually to the Committee on Small Business of the Senate and the House of Representatives and to the Committee on Science of the House of Representatives on the STTR programs of the Federal agencies.
STTR—The Program's 7th Year - FY 2000

Public Law 102-564 provides both general guidance and specific instructions concerning the implementation of the STTR program. To ensure a successful implementation, the law specifically directed several important actions and established completion dates. All mandated actions were implemented in a timely manner.

Solicitation Schedule

STTR policy directs each Federal agency participating in the program to issue STTR solicitations in accordance with a schedule determined cooperatively with the SBA. After approval of SBA's master schedule, these agencies issued solicitations early in fiscal 2000 to invite small business to propose STTR projects.

After approval of its solicitation schedule, each participating agency provided SBA with information necessary to publish a pre-solicitation announcement. The announcements provided interested small businesses with information on forthcoming opportunities in the STTR program, as well as basic information on program requirements, opening and closing dates of solicitations, and agency contact points for further information.

In fiscal year 2000, the participating agencies had the following solicitation periods:

- Department of Defense - December 1, 1999, through April 12, 2000
- Department of Energy – November 29, 1999, through February 29, 2000
- Department of Health and Human Services - January 2000 with closings April 1, August 1 and December 1, 2000
- National Aeronautics and Space Administration - March 1, 2000, through May 10, 2000
- National Science Foundation – March 1, 2000, through June 9, 2000

Award Obligation Requirements

Program policy required participating agencies to expend on STTR awards not less than 0.15 percent of their fiscal year 2000 extramural budget for research and development. In fiscal year 2000, $66,969,374 should have been obligated program-wide to meet this requirement; however, actual obligations were $69,845,955 exceeding the requirement by 1.04 percent.

Small-Business Participation

During FY 2000, small businesses submitted 1,196 proposals under the STTR program, including 1,026 Phase I proposals and 170 Phase II proposals. Total of 328 awards were made, including 233 Phase I awards and 95 Phase II awards. Awards were made to 276 small businesses. In FY 2000, total STTR program obligations were $69,845,955. Small business received $38,570,251 or 55 percent of total funding. Research institutions receive $25,895,464 or 37 percent.

Minority and Disadvantaged Firms

Of the 276 firms that successfully competed for STTR awards, 25 or 9.1 percent were firms owned by minority or disadvantaged persons. They received $5,751,975 or 8 percent of the $69,845,955 total obligated.
Research Institutions

Small businesses interested in participating in the STTR program must find a research institution that meets the program's definition and develop a working agreement before proposing to compete for an STTR award.

The statistics available at the end of the fiscal year indicate that 276 firms collaborated with 360 research institutions. Of contracts and grants awarded during the year, 304 were made to universities and colleges, 15 to federally funded research and development centers, and 40 to other non-profit research institutions. The research institutions were located in 42 states.
## FY 2000 STTR Research Institutions

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FY 2000 STTR Research Institutions

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University
University
Virginia Commonwealth University
Virginia Polytechnic Institute (8)
Virginia Tech Fiber Optics Center

Washington
FFRDC
University
University
Battelle Memorial Institute
University of Washington (6)
Washington State University (2)

West Virginia
University
West Virginia University

Wisconsin
University
University of Wisconsin (2)

Wyoming
University
University of Wyoming (2)
FY 2000 STTR Phase I Awardees

Alabama

Birmingham
Southern Biotechnology Asso.

Huntsville
Analytical Services, Inc.
CFD Research Corporation (2)

Pelham
Gen Pharmaceuticals, Inc.

Alaska

Anchorage
Chenega

Arizona

Scottsdale
Three Rivers Holdings, LLC

Tempe
LSRL

Tucson
Advanced Ceramics Research, Inc. (2)
Materials & Electrochemical Research

Arkansas

Fayetteville
AMDC

California

Atherton
Layton Bioscience, Inc.

Carlsbad
ISIS Pharmaceuticals
Optotek, Inc.

Goleta
Frontier Technology, Inc.

Irvine
EERGC Corporation

Long Beach
Alpha STARCorp

Los Angeles
Agrivax, Inc.
Bikeys, Inc.
Pacific Wave Industries, Inc.
Technology Service Corp.

Marina Del Rey
R & D Laboratories, Inc.

Menlo Park
Kadmus, Inc.

Northridge
Chemat Technology, Inc.

Palo Alto
Clontech Laboratories, Inc.

San Carlos
Point Biomedical Corporation
FY 2000 STTR Phase I Awardees

San Diego
Alliance Pharmaceutical Corp. (3)
Illumina, Inc.
Molsoft, LLC
Selective Genetics, Inc.

San Mateo
Biomimesys, Inc.

Santa Barbara
Mission Research Corp.

Colorado
Boulder
Astralux, Inc.
D.M.T.

Lafayette
Coherent Technologies, Inc. (2)

Longmont
Left Hand Design Corporation

Westminster
Agbio Development, Inc.

Wheat Ridge
TDA Research, Inc.

Connecticut
North Haven
US Nanocorp, Inc.

Delaware
Newark
Astropower, Inc.

Florida
Alachua
Ixion Biotechnology, Inc.

Aventura
Halogenetics

Boca Raton
GeoSyntec Consultants

Cocoa Beach
Quantum Technology Service, Inc.

Jupiter
Argus Photonics Group

Miami
General Oceanics, Inc.
Intelligent Hearing Systems

Orlando
Light Processing & Technologies,

Orlando
Electrodynamics Associates, Inc.
Zaubertek, Inc.

Palm Bay
Advanced Magnet Lab, Inc.
FY 2000 STTR Phase I Awardees

Winter Park
Florida Maxima Corp.

Georgia

Atlanta
Cermet, Inc.

Chamblee
Microcoating Technologies, Inc. (2)

Gainsville
Computer Source

Mcdonough
Guided Systems Technologies, Inc.

Tucker
Cell Separation Technologies

Hawaii

Honolulu
Oceanit Laboratories, Inc.

Idaho

Moscow
Institute for Physics & Technology, Inc.

Illinois

Chicago
Bernard Technologies, Inc.

De Kalb
Psytec Corporation

Evanston
Qustek Innovations, LLC

Palatine
Mosaic Imaging Technology

Urbana
CU Aerospace, LLC

Wilmette
MP Technologies, LLC (2)

Indiana

West Lafayette
P.C. Krause & Assoc.

Kentucky

Lexington
Tigen Pharmaceuticals

Louisville
Graphzepp
Ocular Transplantation, LLC

Maryland

Baltimore
Intralytix, Inc.

Beltsville
Atec, Inc.
FY 2000 STTR Phase I Awardees

Bethesda
Bio-Brite, Inc.

Columbia
DACCO SCI, Inc.

Ellicott City
Custom Materials, Inc.

Gaithersburg
Technologies & Devices International
Verachem LLC

Rockville
Intelligent Automation, Inc. (3)

Massachusetts

Andover
Physical Sciences, Inc.

Billerica
Aerodyne Research, Inc.
Nutrirx Corporation

Boston
Boston Micromachines Corp.

Boxborough
CYTYC Corporation

Burlington
Alphatech, Inc.

Cambridge
Newton Scientific, Inc.
Pericor Science, Inc.
Zebra Pharmaceuticals, Inc.
Zebra Pharmaceuticals, Inc.

Canton
Organogenesis, Inc.

Chelmsford
Triton Systems, Inc. (2)

Lexington
Speech Technology & Applied Research

Littleton
Boston Nitride Technologies, Inc.

Natick
Busek Co., Inc.

Needham
Beam Technologies, Inc.

Newbury
Biomod Surfaces

Norwood
EIC Laboratories, Inc.
Icet, Inc.

Somerville
Science Research Laboratory, Inc.
Union Biometrica, Inc.

Waltham
Foster-Miller, Inc.
Giner, Inc.

Westborough
Boston Medical Products, Inc.
Carbomer, Inc.

Westwood
Boston Micromachines Corp.
FY 2000 STTR Phase I Awardees

**Worcester**
- Insight Neuroimaging Systems

**Michigan**

**Ann Arbor**
- IDE Research, LLC
- Mechanical Compliance, Inc.
- Valutech Corporation

**Dexter**
- Bio Logic Engineering, Inc.

**Farmington Hills**
- Oxyzone Systems, Inc.

**Minnesota**

**Brooklyn Center**
- Polychrome Medical, Inc.

**Eden Prairie**
- Nonvolatile Electronics, Inc.
- SVT Asso., Inc.

**Saint Paul**
- Artemis MRI LLC
- Midwest Molecular, Inc.

**Missouri**

**Chesterfield**
- Innovative Technology Applications

**Saint Louis**
- DNA Polymerase Technology, Inc.

**New Jersey**

**Allentown**
- Optomechanical Enterprises, Inc.

**Edison**
- Synergy Pharmaceuticals, Inc.

**Princeton**
- Nanonex Corp.
- Sensor Unlimited, Inc.

**New Mexico**

**Albuquerque**
- Adherent Technologies, Inc.
- TPL, Inc.
- Thor Technologies, Inc.

**Kirtland AFB**
- Thor Technologies, Inc. (2)

**Santa Fe**
- Southwest Sciences, Inc.

**New York**

**Albany**
- Mohawk Innovative Technology, Inc

**Amherst**
- Gencyte LLC Baird Research Park

**Cold Spring Harbor**
- Genetica, Inc.
FY 2000 STTR Phase I Awardees

**Elmsford**
- Hypres., Inc.

**Hawthorne**
- Acorda Therapeutics

**Ithaca**
- Agave Biosystems, Inc.
- Expertology
- Grammatech, Inc.

**Latham**
- Crystal IS, Inc.
- Sensor Electronic Technology, Inc.

**Rush**
- Isoflux Incorporated

**Setauket**
- Biophotonics Corporation

**Stony Brook**
- Nanoprobes, Inc.
- PolyTherm Corp.

**Tarrytown**
- Mojave Therapeutics, Inc.

**Troy**
- Applied Biophysics, Inc.

**Utica**
- Integrated Sensors, Inc.

**North Carolina**

**Belmont**
- Flying Bridge Technologies

**Cary**
- 3tex Engineered Fiber Products (2)

**Durham**
- Triangle Laboratories, Inc.

**Raleigh**
- Nitronex Corp.

**Ohio**

**Athens**
- Austral Engineering & Software, Inc.

**Bay Village**
- Millennia Ceramics, Inc.

**Blacklick**
- Environmental Energy, Inc.

**Cedarville**
- Applied Sciences, Inc. (3)

**Cincinnati**
- Advanced Wireless & Telecom Corp.
- Nova Engineering, Inc.

**Dayton**
- Cornerstone Research Group, Inc.
- ISSI
- UES, Inc.

**Miamisburg**
- Inorganic Specialists

**Orange**
- ECC
FY 2000 STTR Phase I Awardees

Springfield
   Why Not Composites

Troy
   Hyper Tech Research Inc.

Oklahoma

Stillwater
   Nomadics, Inc.

Oregon

Fairview
   Blue Road Research

Portland
   National Applied Science

Pennsylvania

Bethlehem
   Serenix Pharmaceuticals, Inc.

Fort Washington
   Materials Sciences Corp.

Newton
   Collagenex Pharmaceuticals, Inc.

Philadelphia
   Near Infrared Monitoring, Inc.

Pittsburgh
   Agentase, LLC
   Prolx Pharmaceuticals LP


Warrington
   MEECO Inc

Williamsport
   QORTEK, Inc.

Puerto Rico

Mayaguez
   A/C Mechanical Services, Co.

Rhode Island

Cranston
   Abacus Risk Management

Tennessee

Nashville
   Generx, Inc. (2)

Oak Ridge
   American Magnetics, Inc.

Texas

Austin
   Systems & Materials Research
   Xidex Corporation

College Station
   Lynntech, Inc.

Dallas
   Access Pharmaceuticals, Inc.
FY 2000 STTR Phase I Awardees

Houston
Advanced Resources International
Introgen Therapeutics Inc (2)
Nanotechnologies of Texas, Inc.

Utah
Orem
Apollo Light Systems, Inc.

Provo
Bipolar Technologies

Salt Lake City
Cimarron Software, Inc.
Materials & Systems Research, Inc.

Vermont
White River
Concepts ETI Inc.

Virginia
Alexandria
Systems Planning and Analysis

Blacksburg
Aerosoft, Inc.
Luna Innovations, Inc. (5)

Charlottesville
Adenosine Therapeutics, LLC (4)

Christiansburg
Nanosonic, Inc.

Fairfax
Trident Systems, Inc.

Mclean
Amron Corporation

Newport News
AMAC International, Inc.

Norfolk
Norfolk Applied Science, Inc.

Richmond
Biocache Pharmaceuticals, LLC

Sterling
Sterling Semiconductor, Inc.

Washington
Bellevue
Ewing Technology Assoc., Inc. (3)

Bothell
New Chemical Entities, Inc.

Seattle
NeoRx Corporation

Woodinville
Sienna Technologies, Inc. (2)
Sonic Concepts, Inc.

West Virginia
Ravenswood
SDR Plastics, Inc.
FY 2000 STTR Phase I Awardees

Wisconsin

_Hartland_
Midwest R.F., LLC

_Madison_
Epicentre Technologies Corp

Wyoming

_Sheridan_
Big Horn Valve
FY 2000 STTR Phase II Awardees

Alabama

Huntsville
SRS Technologies
Time Domain Corp.

Alaska

Anchorage
Imlach Consulting Engineering

Arizona

Tuscon
Advanced Ceramics Research, Inc.

Arkansas

Fayetteville
InVotek, Inc.

California

Canoga Par
Technical Associates

Chico
Makel Engineering, Inc.

Del Mar
Polycomp Technologies, Inc.

Duarte
Phrasor Scientific, Inc.

Irvine
Metrolaser, Inc.

La Jolla
SQM Technology, Inc.

Los Angeles
Hexagon Interactive

Redwood City
Insect Biotechnology, Inc.

San Diego
Integration Partners, Inc.
Seashell Technology, LLC

Santa Barbara
Mission Research Corp.

Santa Clara
Focused Research, Inc.

Santa Ynez
Nova Research, Inc.
Pacific Advanced Technology

Torrance
Intelligent Optical Systems

Colorado

Boulder
Knowledge Analysis Technologies, LLC

Florida
FY 2000 STTR Phase II Awardees

Oriedo
Electrodynamics Associates, Inc.

Georgia

Marietta
Global Technology Connection, Inc.

Illinois

Urbana
CU Aerospace, LLC

Indiana

West Lafayette
P.C. Krause & Assoc.
Seas, LLC

Kansas

Manhattan
Nantek, Inc.

Maryland

Annapolis
Technology Assessment & Transfer, Inc.

Baltimore
Equinox Corp.
In Vitro Technologies, Inc.

Gaithersburg
Antex Biologics, Inc.

Maryland

Gaithersburg
C-Motion, Inc.

Massachusetts

Andover
Physical Sciences Inc

Bedford
Cognition Corp.
Cynosure, Inc.

Belmont
Massachusetts Technological Laboratory

Boston
Inraimmune Therapies, Inc.

Cambridge
Atmospheric & Environmental Research

Lincoln
Psychometrix Assoc., Inc.

Sudbury
Cutanogen, Inc.

Taunton
Kopin Corp.

Waltham
Foster-Miller, Inc.
Metal Matrix Cast Composites, Inc.
FY 2000 STTR Phase II Awardees

Woburn
CardioTech International, Inc.

Michigan

Lansing
EFX Systems, Inc.

Oxford
Elsohly Laboratories, Inc.

Minnesota

Minneapolis
MSP Corporation

Montana

Butte
Montec Associates, Inc.

New Jersey

Piscataway
Nanopowder Enterprises, Inc.

New Mexico

Santa Fe
PhotoNics Assoc.

New York

Bronx
Vtec Laboratories, Inc.

Elmsford
Hypres, Inc.

Ithaca
Agave Biosystems, Inc.

Ohio

Cedarville
Applied Sciences, Inc.

Columbus
Weldware, Inc.

Dayton
Spectra Research, Inc.

Hilliard
Syscom Technology, Inc.

Toledo
Receptorpro, Inc.

Oklahoma

Stillwater
Nomadics, Inc.

Oregon

Corvallis
AVI Biopharma
FY 2000 STTR Phase II Awardees

Eugene
On Time Systems, Inc.

Hubbard
Broadacres Nursery, Inc.

Pennsylvania

Dublin
Combustion Research & Flow Technology

Flourtown
Spectrumedix Corporation

Mechanicsburg
Isoperformance, Inc.

Monroeville
RJ Lee Group, Inc.

Rhode Island

East Providence
Evans Capacitor Company

South Dakota

Brookings
Microconversion Tech. Company

Tennessee

Chattanooga
AccuRate Automation Corp. (2)

Knoxville
Environment Engineering Group
Environmental Engineering Group, Inc.

Nashville
Gene Rx, Inc.

Texas

Houston
Nanotechnology Of Texas, Inc.

Utah

Orem
Apollo Light Ssystmes, Inc.

Salt Lake City
Echelon Research Laboratories

Vermont

Burlington
Health Sim, Inc.

Virginia

Blacksburg
Adoptech, Inc.
Luna Innovations, Inc. (2)
Lunar Innovations, Inc.

Manassas
Athena Technologies
UTD, Inc.
FY 2000 STTR Phase II Awardees

New Castle
Airak Engineering, Inc.

Roanoke
Plastics One, Inc.

Sterling
Reliable Software Technologies Corp.

Virginia Beach
Oceana Sensor Technologies, Inc.

Washington
Richland
Mesosystems Technology, Inc.

Seattle
Mathsoft, Inc.

Wisconsin
Madison
Metabiologics, Inc.

Wyoming
Laramie
Detection Limit, Inc.
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**STTR SOLICITATION PROFILE**

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**RESEARCH INSTITUTION PROFILE**

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## STTR Program Data - Fiscal Year 2000

### COOPERATIVE RESEARCH PROFILE

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<th>NASA</th>
<th>HHS</th>
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<td><strong>TOTAL DOLLARS OF AWARDS</strong></td>
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<td>5,109,749</td>
<td>5,500,047</td>
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<td>121,680</td>
<td>1,657,988</td>
<td>3,526,859</td>
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### PHASE I

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<th>DOD</th>
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<th>DOE</th>
<th>NASA</th>
<th>HHS</th>
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<td><strong>NUMBER OF UNIVERSITY AWARDS</strong></td>
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*FY 2000 dollars obligated include modifications to previous year's awards for DOD ($4,033,477K) and HHS ($463,674K)*