



**SMALL BUSINESS  
TECHNOLOGY  
TRANSFER  
PROGRAM  
(STTR)**

**ANNUAL REPORT - FY 2007**

**Office of Technology  
U.S. Small Business Administration**

**December 3, 2009**



## Introduction

Pursuant to Public Law 102-564, the Small Business Research and Development Enhancement Act of 1992, as amended, the U.S. Small Business Administration (SBA) is presenting the fourteenth annual Small Business Technology Transfer program (STTR) annual report.

This report describes the operation and administration of the STTR program for fiscal year (FY) 2007. It also provides data on the results of the first 14 years of the STTR program, including the number of solicitations released, the number of proposals received and the number of awards resulting from those solicitations.



## Summary of Legislation

### *Public Law 102-564, as amended*

Title I of Public Law 102-564 amended the Small Business Act by reauthorizing the Small Business Innovation Research (SBIR) program. Congress passed Title II of the Act authorizing the STTR program.

The STTR program and the SBIR program share a similar philosophy. It recognizes 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. In September 1996, Public Law 104-208

reauthorized the STTR program through FY 1997. In December 1997, Public Law 105-135 reauthorized the program through September 30, 2006. In October 2001, Public Law 107-50 reauthorized the STTR program through FY 2009 and increased the program set-aside from .15 percent to .3 percent which began in FY 2004.



## Technology Resources Network

As defined in Section 9 of the Small Business Act, the SBA designed the Technology Resources Network (Tech-Net) which was implemented in part in 1998. Tech-Net streamlines and standardizes the reporting of STTR awards and applicant information by the Federal agencies required to participate in the STTR program. The SBA had several working sessions with the agencies to define the input data fields and a core set of output reports to help the SBA administer the program. The SBA incorporated the unique needs of each agency into the design of the database system to ensure that the system would provide much needed award and applicant information. Information such as name, size, location, abstracts and identifying number of each small business concern that has received a Phase I or Phase II award is available in this database. Agencies now have the ability to review awards and applicant information, and edit previously reported data interactively through Tech-Net. The public version of this database can be

accessed by visiting the website:  
<http://tech-net.sba.gov>. The participating agencies are providing information needed in a timely manner to maintain the database.

The SBA is testing the government database which will maintain commercialization information on all Phase II projects funded under the STTR program. This database will not be accessible by the public; therefore, any confidential information that is provided by the STTR Phase II awardees will not be disclosed to the public. A username and password will be required to access the database. The SBA will control the issuance of the username and passwords. The database is being designed to allow the SBA, each participating agency, Government Accountability Office, the National Academy of Science and the Congress to more effectively measure the impact and success of the program.

SBA is working to develop a measure that would be the percentage of sales compared to Phase I and Phase II awards plus additional Federal investment, i.e. sales/(Phase I + Phase II + follow-on investment).



## Summary of Data

During FY 2007, small businesses submitted 3,961 proposals under the STTR program, including 3,459 Phase I proposals and 502 Phase II proposals. A total of 960 awards were made to small businesses including 745 Phase I awards and 215 Phase II awards. In FY 2007, total STTR program obligations were \$246,912,756. Small business received \$136,320,743 or 55 percent of total funding. Research institutions received \$87,528,794 or 40 percent.



## HUBZone Small Business Concerns

The agencies received 137 Phase I and 16 Phase II proposals. The participating agencies made 22 Phase I awards totaling \$2,530,399 and 10 Phase II awards totaling \$5,550,099 to HUBZone certified small business concerns.

**Table 1: Number of STTR Awards – FY 1994 through FY 2007**

Fiscal Year	Phase I	Phase II	Totals
94	0	0	0
95	1	0	1
96	0	0	0
97	0	0	0
98	206	1	207
99	297	74	371
00	311	93	404
01	315	89	404
02	367	99	404
03	457	112	569
04	718	180	898
05	579	223	802
06	633	227	860
07	634	213	847
Total	4,518	1,311	5,829

\*The above table uses Tech-Net data rather than summary information provided by the participating agencies. The SBA is using Tech-Net data because it is more specific and accurate than the summary information, and therefore, the numbers shown here will be different than in prior reports. Specifically, the data that is compiled in Tech-Net contains information on all individual awards (including an abstract of the award, company information, and award information). This information allows the SBA to look behind the summary programmatic numbers and review individual awards.

**Table 2: Value of STTR Awards--  
FY 1994 through FY 2007  
(in millions of dollars)**

Fiscal Year	Phase I	Phase II	Totals
94	\$	\$	\$
95	90.8		90.8
96			
97			
98	19.3	.4	19.8
99	24.0	31.9	55.9
00	23.5	39.6	63.1
01	24.6	36.8	61.4
02	30.8	54.4	85.26
03	41.3	67.1	108.5
04	82.3	120.4	202.8
05	66.0	159.8	225.9
06	78.8	165.2	241.1
07	83.5	159.4	242.9
Total	474.5	832.6	1,307.1

\*The above table uses Tech-Net data rather than summary information provided by the participating agencies. The SBA is using Tech-Net data because it is more specific and accurate than the summary information, and therefore, the numbers shown here will be different than in prior reports. Specifically, the data that is compiled in Tech-Net contains information on all individual awards (including an abstract of the award, company information, and award information). This information allows the SBA to look behind the summary programmatic numbers and review individual awards.

**STTR Program Data - Fiscal Year 2007**

AGENCY OBLIGATIONS	DOD	NSF	DHS	DOE	NASA	HHS	TOTAL
AGENCY EXTRAMURAL BUDGET	44,698,109,000	3,785,000,000	732,460,000	4,509,214,000	3,992,500,000	23,226,000,000	80,943,283,000
AGENCY STTR BUDGET	134,091,537	11,360,000	0	13,526,000	12,000,000	69,678,000	240,655,537
DOLLARS OBLIGATED	134,755,399	11,762,470	2,676,791	13,881,367	12,844,257	72,074,259	247,994,543
% OF EXTRAMURAL BUDGET	0.30%	0.31%	0.37%	0.31%	0.32%	0.31%	0.31%
DEFICIT/SURPLUS	663,862	402,470	2,676,791	355,367	844,257	2,396,259	7,339,006
<b>STTR AWARD PROFILE - COMMITMENTS</b>							
TOTAL PHASE I AWARDS	320	117	0	39	27	131	634
MINORITY DISAD. PHASE I AWARDS	24	12	0	7	3	7	53
HUBZONE PHASE I AWARDS	10	8	0	2	2	0	22
TOTAL PHASE II AWARDS	126	11	3	15	13	45	213
MINORITY/DISAD. PHASE II AWARDS	6	1	0	1	2	1	11
HUBZONE PHASE II AWARDS	4	1	0	1	3	1	10
TOTAL PHASE I DOLLARS AWARDED	29,077,865	17,388,119	0	3,891,532	2,697,025	30,409,958	83,464,499
MIN/DISAD. PHASE I DOLLARS AWARDED	2,246,808	1,747,451	0	699,752	299,594	956,167	5,949,772
HUBZONE PHASE I DOLLARS AWARDED	938,665	1,198,362	0	199,409	199,963	0	2,536,399
TOTAL PHASE II DOLLARS AWARDED	86,078,422	5,440,115	2,249,791	11,160,094	7,796,964	46,700,510	159,425,896
MIN/DISAD. PHASE II DOLLARS AWARDED	4,499,062	499,973	0	750,000	1,198,384	878,171	7,825,590
HUBZONE PHASE II DOLLARS AWARDED	3,249,371	499,973	0	749,900	632,186	418,244	5,549,674
TOTAL PHASE I & II AWARDED	115,156,287	22,828,234	2,675,791	15,051,626	12,844,257	77,110,468	242,890,395
AVERAGE AMOUNT PHASE I AWARDS (\$)	90,868	148,616	0	99,783	99,909	232,137	131,647
<b>STTR SOLICITATION PROFILE</b>							
NO. OF SOLICITATIONS RELEASED	1	2	2	1	1	1	8
NO. OF RESEARCH TOPICS	144	8	17	54	9	165	397
NO. PHASE I PROPOSALS RECEIVED	1,581	357	0	219	201	945	3,303
NO. PHASE II PROPOSALS RECEIVED	244	42	5	29	32	140	492
<b>RESEARCH INSTITUTION PROFILE</b>							
NUMBER OF FFRDCS	18	0	4	16	1	2	41
NUMBER OF UNIVERSITIES	395	126	4	35	34	202	796
NUMBER OF OTHER NON-PROFIT	33	2	0	3	5	45	88

## STTR Program Data - Fiscal Year 2007

COOPERATIVE RESEARCH PROFILE	DOD	NSF	DHS	DOE	NASA	HHS	TOTAL
TOTAL DOLLARS OF AWARDS	105,910,009	11,462,572	2,675,791	15,051,626	12,844,257	77,110,468	225,054,723
DOLLARS TO SMALL BUSINESS	71,469,400	6,616,368	1,677,291	8,703,213	8,045,818	41,238,103	137,750,193
DOLLARS TO RESEARCH INSTITUTION	41,452,956	4,846,204	998,500	4,678,530	4,798,439	30,706,400	87,481,029
NO. OF AWARDS TO UNIVERSITIES	395	126	3	35	34	202	795
DOLLARS TO UNIVERSITIES	35,834,170	4,719,214	773,500	3,147,111	3,272,968	25,650,292	73,397,255
NO. OF AWARDS TO FFRDCS	18	0	1	16	1	2	38
DOLLARS TO FFRDCS	2,049,416	0	225,000	1,249,740	239,939	135,072	3,899,167
NO. OF AWARDS TO OTHER NON-PROFITS	33	2	0	3	5	45	88
DOLLARS TO OTHER NON-PROFITS	3,569,372	126,990	0	635,978	341,850	4,921,036	9,595,226
<b>PHASE I</b>							
NUMBER OF FFRDC AWARDS	11	0	0	12	0	1	24
NUMBER OF UNIVERSITY AWARDS	289	115	0	26	23	121	574
NO. OF OTHER NON-PROFIT AWARDS	20	2	0	1	4	30	57
TOTAL DOLLARS OF AWARDS	29,077,875	8,861,202	0	3,891,532	2,697,025	30,409,958	74,937,592
DOLLARS TO SMALL BUSINESS	17,581,665	5,116,040	0	2,343,527	1,727,064	15,953,941	42,722,237
DOLLARS TO RESEARCH INSTITUTIONS	10,782,944	3,745,162	0	1,548,005	969,847	13,365,494	30,411,452
NO. OF AWARDS TO UNIVERSITIES	289	115	0	26	23	121	574
DOLLARS TO UNIVERSITIES	9,717,172	3,618,172	0	1,058,604	825,997	10,926,002	26,145,947
NO. OF AWARDS TO FFRDCS	11	0	0	12	0	1	24
DOLLARS TO FFRDCS	383,775	0	0	456,616	0	60,000	900,391

STTR Program Data - Fiscal Year 2007

	DOD	NSF	DHS	DOE	NASA	HHS	TOTAL
NO. OF AWARDS TO OTHER NON-PROFITS	20	2	0	1	4	30	57
DOLLARS TO OTHER NON-PROFITS	681,999	126,990	0	32,785	143,850	2,379,492	3,365,116
<b>PHASE II</b>							
NUMBER OF FFRDCS	7	0	1	4	1	1	14
NUMBER OF UNIVERSITIES	106	11	3	9	11	81	221
NUMBER OF OTHER NON-PROFIT	13	0	0	2	1	15	31
TOTAL DOLLARS OF AWARDS	86,078,422	2,601,370	2,675,791	9,490,211	7,796,964	42,625,068	151,267,826
DOLLARS TO SMALL BUSINESS	53,887,735	1,500,328	1,677,291	7,675,270	4,912,056	25,284,162	94,936,842
DOLLARS TO RESEARCH INSTITUTIONS	30,670,012	1,101,042	998,500	3,484,824	2,884,910	17,340,906	56,480,194
NO. OF AWARDS TO UNIVERSITIES	106	11	3	9	11	81	221
DOLLARS TO UNIVERSITIES	26,116,998	1,101,042	773,500	2,088,507	2,446,971	14,724,290	47,251,308
NO. OF AWARDS TO FFRDCS	7	0	1	4	1	1	14
DOLLARS TO FFRDCS	1,665,641	0	225,000	793,124	239,939	75,072	2,998,776
NO. OF AWARDS TO OTHER NON-PROFITS	13	0	0	2	1	15	31
DOLLARS TO OTHER NON-PROFITS	2,887,373	0	0	603,193	198,000	2,541,544	6,230,110

FY 2007 dollars obligated include modifications to previous year's awards for DOD (\$28,845,390) DOE (\$499,624)