North Dakota SBIR Newsletter
Wednesday, January 5, 2005

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I. SBIR Solicitation Countdown

Agency & Program	Release Date	Begins Accepting	Closing Date	Days Left
DoD SBIR 2005.1 - (Navy, Air Force, NGA, CBD, DTRA, SOCOM) **OPEN**	**Nov 1, 2004**	**Dec 15, 2004**	**Jan 14, 2005**	**9**
DOC-NOAA – SBIR **OPEN**		**Oct 20, 2004**	**Jan 19, 2005**	**14**
DOC-NIST – SBIR **OPEN**		**Nov 3, 2004**	**Jan 28, 2005**	**23**
DHS HSARPA – SBIR **RELEASED**	**Dec 21, 2004**	**Jan 20, 2005**	**Feb 22, 2005**	**48**
DoD STTR 2005	Feb 1, 2005	Mar 15, 2005	Apr 15, 2005	**100**
DOT – SBIR	Feb 17, 2005	Feb 17, 2005	May 2, 2005	**117**
NSF – SBIR/STTR Topics = EL & ST	Mar 1, 2005	Mar 1, 2005	Jun 8, 2005	**154**
EPA – SBIR	Mar 24, 2005	Mar 24, 2005	May 25, 2005	**140**
DoD SBIR 2005.2	May 2, 2005	Jun 15, 2005	Jul 15, 2005	**191**
USDA – SBIR	Jun 6, 2005	Jun 6, 2005	Aug 31, 2005	**238**
DoD SBIR 2005.3	Aug 1, 2005	Sep 15, 2005	Oct 14, 2005	**282**

For **Special NIH Program Announcements** please visit the list of opportunities at:
http://grants.nih.gov/grants/funding/sbir_announcements.htm

II.   Technology Applications Group Awarded Phase II Plus

A Grand Forks company has recently been awarded a **$365,000** Small Business Innovation Research (SBIR**) Phase II Plus** grant from the U.S. Army. **Technology Applications Group, Inc. (TAG)** will partner with the Academic Center for Aging Aircraft (ACAA) in Texas to test Brush Tagnite on magnesium helicopter gearboxes with the goal of qualifying as an accepted repair technique by all branches of the military. In addition to the Phase II Plus award, the ACAA has awarded TAG **$120,000** in support of this project. These awards allow for the continuation of research and development of a project that has already received over $685,000 in Army SBIR funding since 2000. To date the project has received a total of **$1.2 million** in SBIR Phase I, Phase II, and Phase II Plus funding.

SBIR Phase II Plus funding is designed to extend research on promising new technologies that will benefit the United States military. Phase II Plus represents the latest innovation within the Army SBIR Program, and continues the Army's emphasis on enabling the development and commercialization of dual-use technologies and products. Its aim is to ensure uninterrupted funding for Army SBIR efforts. The program is critical towards maximizing the potential for small businesses to develop and successfully market their innovative ideas to benefit the Army, the small business, and our nation's economy.

The principal investigator on the TAG project is **Dr. Bill Gorman** along with senior engineer, **Earl Woolsey**, will work with a team of investigators from the ACAA to research Brush Tagnite's applications for use in prolonging the life of aging aircraft. The expected outcome of the research is the successful introduction of Brush Tagnite for military and civilian customers. Dr. Gorman says dependent on market acceptance, TAG expects to hire 1 to 3 employees to support the product line.

For more information about TAG visit www.tagnite.com

III.   Spirit Lake Consulting Awarded Dept. of Education Phase I

Congratulations to **Spirit Lake Consulting** for being awarded a **$75,000 Phase I SBIR from the U.S. Department of Education's National Institute on Disability and Rehabilitation Research (NIDRR)!!!!** The project titled *"Computer-based training for persons with disabilities and their families in accessing electronic information"* will be led by Principal Investigator **Dr. AnnMaria DeMars**, Vice President of Spirit Lake Consulting. **Mr. Erich Longie**, President of Spirit Lake Consulting will also work on the Phase I project along with three consultants: **Ms. Evelyn Klimpel**, **Ms. Shirley Murphy**, and **Ms. Tina Thomas**.

Spirit Lake Consulting is a Native American-owned business located on the Spirit Lake reservation in Fort Totten, North Dakota. This is the second SBIR Phase I award the company has received. The first SBIR Phase I was awarded by the U.S. Department of Agriculture FY04.

PROJECT ABSTRACT:

Our goal is to solve the problem of delivering computer-integrated training in remote communities to persons with disabilities and their families who are limited in literacy, vision, Internet access and computer skills. A website will be developed as a training tool, and CD-ROM mirror created for use by individuals without Internet access. As part of feasibility assessment, training and testing will occur on two reservations in North Dakota, representing four different tribes. Outcomes research will use both authentic assessment and a multiple-choice measure to test the knowledge of participants post-training and compare these results with a comparison group selected from the same two reservations. Training will be conducted in public access facilities where the majority of computer use by low-income, rural, Native Americans occurs. The CD-ROM will include a searchable encyclopedia of information on specific disabilities, characteristics, causes, references to recommended activities for intervention and sample activities. A second section will cover information on individualized education or service plans, parent involvement in schools, available services and other resources. Each CD section will be used in one of two, one-day training workshops, to occur two months apart.

SUMMARY OF ANTICIPATED RESULTS AND POTENTIAL COMMERCIAL APPLICATION:

It is anticipated that research will support the effectiveness of a guided learning strategy using a specially designed website (or CD-ROM for those without Internet access) to make computer-based learning accessible for those who lack the basic prerequisites of literacy, vision, education in computer skills or Internet access. Commercial potential includes sales to schools and other agencies serving individuals with disabilities, e.g., vocational rehabilitation, early intervention programs, of a computer-integrated training model that includes website/CD-ROM, instructional materials and on-site training.

Please visit the company website for more information www.spiritlakeconsulting.com.

IV.   DHS – HSARPA SBIR Solicitation Released

The Homeland Security Advanced Research Projects Agency (HSARPA) will be accepting proposals for the FY05 SBIR program starting January 20, 2005 with a closing date of **February 22, 2005**. The technical topics are:

H-SB05.1-001 Advanced sample processing of liquid or solid or aerosol samples or a combination of two or three
H-SB05.1-002 Improved spectroscopic gamma ray detectors

H-SB05.1-003 Improved high purity germanium cooling mechanisms

H-SB05.1-004 Low cost underwater threat detection system

H-SB05.1-005 Innovative less-lethal devices for law enforcement

H-SB05.1-006 Smart container/smart carton system

Up until **January 20th** questions regarding the solicitation and topics may be submitted via the website at www.hsarpasbir.com or phone the Help Desk at 1-800-754-3043. Contact with HSARPA after January 20th is restricted for reasons of competitive fairness.

V. DoD Deadline Reminder

The Department of Defense (DoD) 2005.1 SBIR Solicitation will close in **9 days** on **January 14th**, 2005. Proposals are to be submitted electronically and must be received by **6:00 a.m. EST**. Plan now to submit your proposal well before the 6 a.m. deadline.

http://www.acq.osd.mil/sadbu/sbir/solicitations/sbir051/index.htm

VI. New NIH SBIR/STTR RFA/PA Announcements

National Cancer Institute (NCI) SBIR/STTR RFA – **Innovative Technologies for Molecular Analysis of Cancer.** NCI seeks applications proposing to develop highly innovative cancer-relevant technologies. Receipt dates for this RFA are February 17, 2005 - June 17, 2005 - and October 18, 2005. For a copy of the RFA visit: http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-06-005.html

National Institutes of Health (NIH) SBIR/STTR RFA – **Innovations in Cancer Sample Preparation.** NIH seeks SBIR/STTR proposals for research to develop or adapt sample preparation methodologies and technologies, develop assays to assess sample quality, and studies designed to elucidate the criteria by which to judge sample quality. Receipt dates for this RFA are February 17, 2005 - June 17, 2005 - and October 18, 2005. For a copy of the RFA visit: http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-06-007.html

National Cancer Institute (NCI) SBIR/STTR RFA – **Application of Emerging Technologies for Cancer Research.** NCI seeks proposals to evaluate the usefulness of emerging technologies that are ready for initial application to clinical or biological questions in cancer research. Receipt dates for this RFA are February 17, 2005 - June 17, 2005 - and October 18, 2005. For a copy of the RFA visit: http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-06-006.html.

National Institutes of Health (NIH) SBIR/STTR PA – **Molecular Libraries Screening Instrumentation.** NIH seeks SBIR/STTR proposals to develop innovative instrumentation to maximize the efficiency and augment the capabilities of molecular library high throughput screening systems. Applicants should propose to develop instrumentation suitable for integration into large high throughput screening operations and compatible with scalable approaches to chemical genomic research. Receipt dates for this PA are April 1, August 1, and December 1 through August 1, 2007. For a copy of the RFA visit: http://grants.nih.gov/grants/guide/pa-files/PA-05-014.html.

VII.   Now Accepting Phase 0 Applications – Awards up to $2500

SBIR & STTR provide a unique source of seed capital for North Dakota citizens and small businesses to explore and develop innovative new product concepts. These programs are particularly important to North Dakota businesses where innovation capital is in very short supply. And there are few strings attached to SBIR and STTR funding - there is no loan repayment, no equity sacrifice, and most intellectual property rights generated on funded projects remain with the small business.

The purpose of the ND Phase 0 program is to stimulate better SBIR and STTR competition results in North Dakota; to facilitate high quality SBIR and STTR proposals; and to broaden participation from North Dakota small businesses.

Ten (10) to twelve (12) awards up to **$2,500** will be granted throughout the year to provide preparation activities for Phase I proposals. Phase 0 proposals can be submitted at any time. Each Phase 0 award generally will be aimed at preparation and submission of a specific SBIR/STTR Phase I proposal.

The awardee is required to submit 2 Phase I draft proposals for review. The first review should be scheduled at least 3 weeks prior to submitting the Phase I proposal to the SBIR/STTR agency. The second review should be scheduled at least 1 week prior to Phase I submission. To accommodate this review process, Phase 0 proposals should be submitted **at least 6 weeks** prior to the closing date for the targeted SBIR/STTR Phase I solicitations.   See the solicitation schedule below to find out when the last day to submit a ND Phase 0 application is for each agency deadline.

Agency	Agency Deadline	Latest date to submit a ND Phase 0 application…
Department of Agriculture – USDA	*August 31, 2005	March 4, 2005
Department of Commerce – DOC – NOAA	January 19, 2005	December 8, 2004
Department of Commerce – DOC – NIST	January 28, 2005	December 17, 2004
Department of Defense – DoD		
DoD 2005.1 SBIR	Janurary 14, 2005	December 3, 2004
DoD 2005.2 SBIR	July 15, 2005	June 3, 2005
DoD 2005.3 SBIR	October 14, 2005	September 2, 2005
DoD 2005 STTR	April 15, 2005	March 4, 2005
Department of Education - DoEd	N/A	N/A
Department of Energy – DOE	December 13, 2004	
Department of Homeland Security – HSARPA	February 22, 2005	January 11, 2005
Department of Transportation	May 2, 2005	March 21, 2005
Environmental Protection Agency – EPA	May 25, 2005	April 13, 2005

National Institutes of Health - NIH		
NIH 1st Receipt Date	April 1, 2005	February 18, 2005
NIH 2nd Receipt Date	August 1, 2005	June 20, 2005
NIH 3rd Receipt Date	December 1, 2005	October 20, 2005
National Aeronautics & Space Administration – NASA	September 7, 2005	July 27, 2005
National Science Foundation – NSF Topics: Electronics & Security Technologies National Science Foundation – NSF Topics: not available	June 8, 2005 N/A	April 27, 2005 N/A
*approximate		

Eligibility:
All Individuals and small businesses resident in the state of North Dakota who are eligible to participate in the federal SBIR and STTR programs are eligible to participate in the ND Phase 0 program. One of the primary goals of the ND Phase 0 program is to enlist first-time SBIR/STTR participants from as broad a demographic and geographic cross-section of the state as possible. In furtherance of this goal, all proposing individuals and small business entities will be limited to one Phase 0 award per calendar quarter. If the proposing entity is more than 50% owned by another entity or entities, the majority owner(s) will be considered the proposing entity.

Appropriate Phase 0 activities include:
- Acquisition of test data for inclusion in the Phase I proposal
- Analyses to support test data preparation
- Proposal preparation and review
- Consultant and mentor services for preparation of the Phase I proposal
- Communications with potential customers
- Attendance at SBIR conferences and workshops
- Communication with, including travel to, targeted federal agencies

The primary goal of the ND Phase 0 program is to stimulate high quality SBIR/STTR Phase I proposals. However, in special situations, consideration may be given to proposals aimed at Phase II and Phase III opportunities.

For more information about the ND Phase 0 program please contact Steph Blair at 701-777-3132 or steph@innovators.net or Brenda Badman at 701-777-6508 or brenda@innovators.net.

VIII.   ND SBIR Proposal Writing Workshops – April 20 & 21

Jim & Gail Greenwood are coming to Grand Forks - **MARK YOUR CALENDARS:**

Phase I Proposal Preparation Workshop
Wednesday, April 20th

Phase II Proposal Preparation Workshop
Thursday, April 21st

Details will be announced soon.

For more information about Greenwood Consulting visit http://g-jgreenwood.home.att.net/.

IX.   Participating SBIR/STTR Agencies

FEDERAL AGENCIES:
Department of Agriculture - www.csrees.usda.gov/funding/sbir/sbir.html
Department of Commerce:
    National Oceanic and Atmospheric Administration - www.oar.noaa.gov/ORTA/SBIR
    National Institute of Standards and Technology - www.nist.gov/sbir
Department of Education - www.ed.gov/programs/sbir
Department of Energy - www.science.doe.gov/sbir
National Institutes of Health - http://grants.nih.gov/grants/funding/sbir.htm
Department of Transportation - www.volpe.dot.gov/sbir/
Environmental Protection Agency - www.epa.gov/ncer/sbir
National Aeronautics & Space Administration - www.sbir.nasa.gov
National Science Foundation - www.eng.nsf.gov/sbir
Department of Homeland Security - http://www.hsarpasbir.com/
Department of Defense:
    Main DoD Website - www.acq.osd.mil/sadbu/sbir
    Department of Defense Resource Center - www.dodsbir.net
    Defense Technical Information Center - www.dtic.mil/dtic/sbir
    Air Force - www.afrl.af.mil/sbir/index.htm
    Army - www.aro.army.mil/arowash/rt
    Navy - www.onr.navy.mil/sci_tech/industrial/sbir.htm
    Defense Advanced Research Projects Agency - www.darpa.mil/sbir/
    Missile Defense Agency - www.winmda.com
    US Special Operations Command -
http://soal.socom.mil/index.cfm?page=sadbu&sb=sbir

OTHER SITES OF INTEREST:
North Dakota SBIR/STTR - www.techconnectnd.com
Center for Innovation - www.innovators.net
SBIR Gateway - www.zyn.com/sbir
SBIRWorld - www.sbirworld.com
Small Business Administration - www.sba.gov/SBIR/
SBA Tech-Net - http://tech-net.sba.gov/
SBIR Interactive Technical Info System - http://dtica.dtic.mil
Small Business High Technology Institute - www.sbhti.org
SBIR Resource Center - http://www.win-sbir.com/
ScienceWise.com - http://content.sciencewise.com/home.htm

National SBIR Conference Center - http://www.zyn.com/sbir/
Small Business Technology Coalition - http://www.sbtc.org
State Science and Technology Institute - http://www.ssti.org
Greenwood Consulting Group, Inc. - http://home.att.net/~g-jgreenwood
PNNL Economic Development Office - http://www.pnl.gov/edo/business.stm
SBIR-Alerting Service - http://lyris.pnl.gov/cgi-bin/?enter=sbir-alert
Web Patent News - www.webpatent.com

X. Contact Information & Acknowledgments

ND SBIR Program Coordinator - Steph Blair
Office Hours – Mondays 8:00-noon, Tuesdays 8:00-noon, Wednesdays 8:00-5:00 &
Thursdays 8:00-noon
(701) 777-3132 or 777-3970 – steph@innovators.net

ND SBIR Project Director – Brenda Badman
Office Hours – Monday through Friday 8:00-5:00
(701) 777-3132 or 777-6508 – brenda@innovators.net

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