



NATIONAL SPECTRUM CONSORTIUM

FOR IMMEDIATE RELEASE

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NATIONAL SPECTRUM CONSORTIUM ANNOUNCES AWARDS FOR ADVANCING THE USE OF ELECTROMAGNETIC SPECTRUM TECHNOLOGIES

The demand for use of the electromagnetic spectrum is ever-increasing because of its ability to stimulate US innovation and economic growth and its promise to assure US military superiority. The National Spectrum Consortium (NSC) is the nation's premier collaboration working to identify and develop technologies that will broaden military and commercial access to the spectrum.

The NSC is pleased to announce the next series of awards that will develop and demonstrate the enabling technology necessary to satisfy that growing demand for use of the electromagnetic spectrum. The awards are entered into under the Section 815 Prototype Other Transaction Agreement (OT) with U.S. Army Contracting Command-New Jersey (ACC-NJ). ACC-NJ, acting on behalf of The Office of the Deputy Assistant Secretary of Defense, Emerging Capabilities and Prototyping (ODASD, EC&P).

The project agreements, totaling over \$90 Million in awarded ceiling, are as follows:

Project Lead	Project Title
Alion Science and Technology Corporation	LTE Output Power Characterization and LTE Output Power Aggregation Models
Georgia Tech Applied Research Corporation	LTE Output Power Characterization and LTE Output Power Aggregation Models
The Charles Stark Draper Laboratory, Inc.	LTE Output Power Characterization and LTE Output Power Aggregation Models
University of Washington	Prototype Propagation and Clutter Model for AWS-3 Frequencies
Alion Science and Technology Corporation	Prototype Propagation and Clutter Model for AWS-3 Frequencies
Georgia Tech Applied Research Corporation	Prototype Propagation and Clutter Model for AWS-3 Frequencies
Laulima Systems LLC	Adaptive Spectrum Aggregation and Management (ASAM)
TrellisWare Technologies, Inc.	Soldier Radio Waveform (SRW) Narrowband Relocation to Very High Frequency (VHF)/ Ultra High Frequency (UHF)
Harris Corporation, RF Communications Division	Soldier Radio Waveform (SRW) Narrowband Relocation to Very High Frequency (VHF)/ Ultra High Frequency (UHF)
Southwest Research Institute®	Prototype Spectrum Sharing Systems for the 2025-2110 MHz Band
SSC Innovations, LLC	Prototype Spectrum Sharing Systems for the 2025-2110 MHz Band
Roberson and Associates, LLC	Prototype Spectrum Sharing Systems for the 2025-2110 MHz Band
Key Bridge LLC	Prototype Spectrum Sharing Systems for the 2025-2110 MHz Band
Intelligent Automation, Inc.	MIMO Bolt-On Technologies
Intelligent Fusion Technology, Inc.	A Cost-effective MIMO Bolt-On for SISO AWS-3 Devices
Silvus Technologies, Inc.	A MIMO Applique for Rifleman Radio
Ball Aerospace & Technologies Corp.	Electromagnetic Spectrum Situation Awareness Operational Picture (EMSSAOP)
Applied Communication Sciences	Cellular Range Telemetry Network (CeRTN)

University of Kansas	Coded APSK for Improved Spectral Efficiency in Aeronautical Mobile Telemetry
Georgia Tech Applied Research Corporation	Beam Switching Array Antennas
Toyon Research Corporation	Conformal L, S, & C Band Telemetry Antenna
Georgia Tech Applied Research Corporation	A Fragmented Aperture Antenna System for Multi-Band Receive Applications
SSC Innovations, LLC	Spectrum Aware Tactical Radio (SATR) Wideband Networking Waveform (WNW) Dynamic Spectrum Access (DSA)

About Prototype Other Transaction Agreements and the National Spectrum Consortium

Other Transaction Agreements relieve some of the contractual burdens typically associated with federally-funded research, allowing the government to acquire new technology and prototypes more quickly. A major benefit of OTAs is an emphasis on participation by non-traditional government contractors – small and emerging organizations that can deliver cutting-edge innovation but lack the contracting resources and experience typically required to conduct technology development for the US government.

For more information about the National Spectrum consortium, visit nationalspectrumconsortium.org.

Questions about this press release may be directed to the NSC Consortium Management Firm, [Advanced Technology International \(ATI\)](http://AdvancedTechnologyInternational(ATI))

National Spectrum Consortium

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