



PRESS RELEASE

FAA Awards SARA, Inc. Two Contracts to Validate SARA's TASA™

Ground Network at Two FAA UAS Test Sites

10 August 2020

The FAA has awarded Scientific Applications & Research Associates, Inc. (SARA) two contracts, with values of \$1,582,517 and \$1,606,652, to validate SARA's Terrestrial Acoustic Sensor Array (TASA™) detect and avoid solutions and advance UAS Beyond Visual Line of Site (BVLOS) operations into the national airspace system (NAS). Partnering with the Virginia Tech Mid-Atlantic Aviation Partnership and the Northern Plains UAS Test Site in North Dakota, SARA will deploy TASA™ networks at each location and begin flight testing later this fall.

These contract awards are in support of the FAA's UAS Integration Office's Broad Area Announcement (BAA), which the FAA released in June of 2019.

Dr. Parviz Parhami, the CEO and founder of SARA, stated, "we are very excited about working directly with these two FAA test sites to advance BVLOS in the NAS. SARA has been refining our understanding and development of aeroacoustics for over 30 years. Our aeroacoustics technologies combined with emerging machine learning presents an exciting future, and TASA™ represents just the beginning of a new era of sensing modality in aviation."

TASA™ is an affordable low SWAP (size, weight and power) ground based passive sensor providing a 360 degree field of regard. A single node enables precise bearing and estimated range for BVLOS CONOPS for which FAA Part 107 waivers have been granted. Networked together, TASA™ nodes provide precise tracking information for wide area surveillance, linear inspection and package delivery BVLOS applications. TASA™ is not affected by clouds or darkness, requires no FCC approvals for operation, requires extremely low power to operate and can provide collision avoidance alerts to the pilot or directly command an autonomous DAA maneuver. SARA's passive acoustic solutions have been previously evaluated through the FAA UAS Pathfinder Program and USAF Test Pilot School.

Scientific Applications & Research Associates (SARA), Inc., was formed in 1989 to harness the creativity, innovation and entrepreneur spirit of engineers and scientists in a small business setting, where agility and flexibility are paramount. We are a family of innovation pioneers who field systems before others even imagine them. Our uniquely-SARA solutions are developed for our defenders and providers. We develop novel technology in RF, EMP, Pulsed Power, Acoustics and Threat Warning; tailored for your applications. We pride ourselves on partnering with our customers to address real world problems with cost effective solutions.

To learn more about TASA™ and other SARA solutions please visit us at www.sara.com.

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