

**DoD 2019.1 SBIR Topics**

**DoD 2019.A STTR Topics**

Pre-released November 28, 2018

Open discussion with TPOCs through January 7, 2019

SITIS Q&A Closes January 23, 2019

Proposals accepted January 8; Deadline February 6 at 8 p.m. ET

For assistance in searching for appropriate topics and preparing competitive proposals, contact BBCetc at info@bbcetc.com or 734-930-9741. And be sure to check out our [recorded DOD webinars](http://www.bbcetc.com/training/purchase-webinars/).

**DOD SBIR 2019.1 and STTR 2019.A Topics**

[**Solicitation link**](https://sbir.defensebusiness.org/topics?utm_source=sbiroutreach&utm_medium=email&utm_campaign=183_18c_Pre-release)

**Army SBIR**

|  |  |
| --- | --- |
| [A19-001](https://sbir.defensebusiness.org/topics?topicId=29829) | [Advanced Comprehensive Analysis Tool for Emerging Vertical Lift Configurations](https://sbir.defensebusiness.org/topics?topicId=29829) |
| [A19-002](https://sbir.defensebusiness.org/topics?topicId=29761) | [DEVELOP SAND-PLUGGING RESISTANT METALLIC COMBUSTOR LINERS](https://sbir.defensebusiness.org/topics?topicId=29761) |
| [A19-003](https://sbir.defensebusiness.org/topics?topicId=29762) | [Low Cost Fabrication Techniques for Propulsion Structures](https://sbir.defensebusiness.org/topics?topicId=29762) |
| [A19-004](https://sbir.defensebusiness.org/topics?topicId=29745) | [Low-cost, Heat-resistant Composites for Large-caliber Armament Applications](https://sbir.defensebusiness.org/topics?topicId=29745) |
| [A19-005](https://sbir.defensebusiness.org/topics?topicId=29794) | [Innovative Muzzle Brake Design for Artillery](https://sbir.defensebusiness.org/topics?topicId=29794) |
| [A19-006](https://sbir.defensebusiness.org/topics?topicId=29776) | [Futures Emergency Management through Artificial Intelligence](https://sbir.defensebusiness.org/topics?topicId=29776) |
| [A19-007](https://sbir.defensebusiness.org/topics?topicId=29831) | [Non-Line of Sight Directional Control Technology](https://sbir.defensebusiness.org/topics?topicId=29831) |
| [A19-008](https://sbir.defensebusiness.org/topics?topicId=29791) | [Robust Wideband Full Duplex Radios](https://sbir.defensebusiness.org/topics?topicId=29791) |
| [A19-009](https://sbir.defensebusiness.org/topics?topicId=29736) | [New Concept for a Low Distortion, High-Power, High-Efficiency mm-Wave RF Power Amplifier Circuit](https://sbir.defensebusiness.org/topics?topicId=29736) |
| [A19-010](https://sbir.defensebusiness.org/topics?topicId=29768) | [Solid Oxide Fuel Cell (SOFC) Power System](https://sbir.defensebusiness.org/topics?topicId=29768) |
| [A19-011](https://sbir.defensebusiness.org/topics?topicId=29759) | [Ultra-narrow linewidth, high power semiconductor laser](https://sbir.defensebusiness.org/topics?topicId=29759) |
| [A19-012](https://sbir.defensebusiness.org/topics?topicId=29813) | [Interconnected Networks and Dense Urban Resilience](https://sbir.defensebusiness.org/topics?topicId=29813) |
| [A19-013](https://sbir.defensebusiness.org/topics?topicId=29767) | [Flexible interface for implementing trainee state-driven customizations of virtual training environments](https://sbir.defensebusiness.org/topics?topicId=29767) |
| [A19-014](https://sbir.defensebusiness.org/topics?topicId=29784) | [Computational models and wearable sensors for real-time assessments of Soldiers’ performance in complex tasks](https://sbir.defensebusiness.org/topics?topicId=29784) |
| [A19-015](https://sbir.defensebusiness.org/topics?topicId=29746) | [Narrowband High Reflector Microstructure for 1030-1070 nm Continuous Wave](https://sbir.defensebusiness.org/topics?topicId=29746) |
| [A19-016](https://sbir.defensebusiness.org/topics?topicId=29796) | [Extended Near Infrared Focal Plane Array development for Versatile Imaging Systems Applications](https://sbir.defensebusiness.org/topics?topicId=29796) |
| [A19-017](https://sbir.defensebusiness.org/topics?topicId=29785) | [Increased Operability and Operating Temperature of HgCdTe MWIR and LWIR FPAs](https://sbir.defensebusiness.org/topics?topicId=29785) |
| [A19-018](https://sbir.defensebusiness.org/topics?topicId=29751) | [Ultrawide-Bandgap Semiconductors: Research Opportunities and Challenges](https://sbir.defensebusiness.org/topics?topicId=29751) |
| [A19-019](https://sbir.defensebusiness.org/topics?topicId=29811) | [Small Rotor Acoustic Signature Reduction](https://sbir.defensebusiness.org/topics?topicId=29811) |
| [A19-020](https://sbir.defensebusiness.org/topics?topicId=29744) | [Modeling and Control Methods for Future Vertical Lift Rotorcraft Fatigue Reduction](https://sbir.defensebusiness.org/topics?topicId=29744) |
| [A19-021](https://sbir.defensebusiness.org/topics?topicId=29748) | [Modeling of Microstructural Irregularities in Additively Manufactured Materials](https://sbir.defensebusiness.org/topics?topicId=29748) |
| [A19-022](https://sbir.defensebusiness.org/topics?topicId=29766) | [Device for hydrogen on demand from aluminum alloy and water reaction](https://sbir.defensebusiness.org/topics?topicId=29766) |
| [A19-023](https://sbir.defensebusiness.org/topics?topicId=29812) | [Tungsten Carbides with Innovative Cobalt-Free Binders for Improved Lethality](https://sbir.defensebusiness.org/topics?topicId=29812) |
| [A19-024](https://sbir.defensebusiness.org/topics?topicId=29752) | [Slant Path Optical Turbulence and Atmospheric Characterization](https://sbir.defensebusiness.org/topics?topicId=29752) |
| [A19-025](https://sbir.defensebusiness.org/topics?topicId=29828) | [Ultra-High Accuracy RF Ranging and Time/Frequency Transfer](https://sbir.defensebusiness.org/topics?topicId=29828) |
| [A19-026](https://sbir.defensebusiness.org/topics?topicId=29747) | [Multi-beam Wideband SATCOM Antenna](https://sbir.defensebusiness.org/topics?topicId=29747) |
| [A19-027](https://sbir.defensebusiness.org/topics?topicId=29814) | [DC/AC Distribution Box for Extended Tactical Power Architectures (CERDEC 4)](https://sbir.defensebusiness.org/topics?topicId=29814) |
| [A19-028](https://sbir.defensebusiness.org/topics?topicId=29802) | [Machine Learning Dataset Auto Generator (ML-DAG)](https://sbir.defensebusiness.org/topics?topicId=29802) |
| [A19-029](https://sbir.defensebusiness.org/topics?topicId=29777) | [Wideband, Programmable, Multifunctional Transmitter/Receiver (TRX) Module](https://sbir.defensebusiness.org/topics?topicId=29777) |
| [A19-030](https://sbir.defensebusiness.org/topics?topicId=29816) | [Modular, Fuel Flexible Power Source](https://sbir.defensebusiness.org/topics?topicId=29816) |
| [A19-031](https://sbir.defensebusiness.org/topics?topicId=29755) | [Provenance using Blockchain on Disconnected Networks](https://sbir.defensebusiness.org/topics?topicId=29755) |
| [A19-032](https://sbir.defensebusiness.org/topics?topicId=29774) | [mmWave for Army Tactical Communications](https://sbir.defensebusiness.org/topics?topicId=29774) |
| [A19-033](https://sbir.defensebusiness.org/topics?topicId=29763) | [Metamaterial Array for SWAP Constrained Air Platforms](https://sbir.defensebusiness.org/topics?topicId=29763) |
| [A19-034](https://sbir.defensebusiness.org/topics?topicId=29738) | [Light Weight Man-portable High Frequency (HF) Antenna](https://sbir.defensebusiness.org/topics?topicId=29738) |
| [A19-035](https://sbir.defensebusiness.org/topics?topicId=29822) | [Dual Color High Operating Temperature Photonic Mid-wave Infrared Detector for Threat Warning](https://sbir.defensebusiness.org/topics?topicId=29822) |
| [A19-036](https://sbir.defensebusiness.org/topics?topicId=29825) | [Lightweight Terrestrial Remote-Recording Integrated Product (LTR-RIP)](https://sbir.defensebusiness.org/topics?topicId=29825) |
| [A19-037](https://sbir.defensebusiness.org/topics?topicId=29743) | [Machine Learning for Radio Frequency (RF) Signatures Detection and Classification System](https://sbir.defensebusiness.org/topics?topicId=29743) |
| [A19-038](https://sbir.defensebusiness.org/topics?topicId=29817) | [Resilient PNT Waveform](https://sbir.defensebusiness.org/topics?topicId=29817) |
| [A19-039](https://sbir.defensebusiness.org/topics?topicId=29804) | [Virtual Reality Collaboration Tool for Mission Command](https://sbir.defensebusiness.org/topics?topicId=29804) |
| [A19-040](https://sbir.defensebusiness.org/topics?topicId=29749) | [Transfer Learning For Video Analysis of Infrared Datasets](https://sbir.defensebusiness.org/topics?topicId=29749) |
| [A19-041](https://sbir.defensebusiness.org/topics?topicId=29803) | [Integrated Visor Optics & Electronics for Head Mounted Display](https://sbir.defensebusiness.org/topics?topicId=29803) |
| [A19-042](https://sbir.defensebusiness.org/topics?topicId=29769) | [Multi-band uncooled LWIR camera](https://sbir.defensebusiness.org/topics?topicId=29769) |
| [A19-043](https://sbir.defensebusiness.org/topics?topicId=29799) | [Small pixel LWIR active sensor](https://sbir.defensebusiness.org/topics?topicId=29799) |
| [A19-044](https://sbir.defensebusiness.org/topics?topicId=29827) | [Improved Scene Understanding through Semantic Reasoning and Online Learning](https://sbir.defensebusiness.org/topics?topicId=29827) |
| [A19-045](https://sbir.defensebusiness.org/topics?topicId=29787) | [Low-cost, uncooled low light level imaging detectors](https://sbir.defensebusiness.org/topics?topicId=29787) |
| [A19-046](https://sbir.defensebusiness.org/topics?topicId=29797) | [Charge collection scanning transmission electron microscopy for advanced infrared semiconductor devices](https://sbir.defensebusiness.org/topics?topicId=29797) |
| [A19-047](https://sbir.defensebusiness.org/topics?topicId=29770) | [Novel Low Cost Planar III-V SLS Infrared Detector Focal Plane Arrays](https://sbir.defensebusiness.org/topics?topicId=29770) |
| [A19-048](https://sbir.defensebusiness.org/topics?topicId=29810) | [Motion Compensation for Background Estimation from On-The-Move Ground Platforms](https://sbir.defensebusiness.org/topics?topicId=29810) |
| [A19-049](https://sbir.defensebusiness.org/topics?topicId=29778) | [Small Pitch Cryogenic Probe Card](https://sbir.defensebusiness.org/topics?topicId=29778) |
| [A19-050](https://sbir.defensebusiness.org/topics?topicId=29790) | [Engineering the interface chemistry for improved performance III-V based infrared sensors](https://sbir.defensebusiness.org/topics?topicId=29790) |
| [A19-051](https://sbir.defensebusiness.org/topics?topicId=29775) | [High Brightness Long Wave Quantum Cascade Laser Development](https://sbir.defensebusiness.org/topics?topicId=29775) |
| [A19-052](https://sbir.defensebusiness.org/topics?topicId=29823) | [Automated Discrimination and Tracking of Discrete Targets in Complex Environments](https://sbir.defensebusiness.org/topics?topicId=29823) |
| [A19-053](https://sbir.defensebusiness.org/topics?topicId=29807) | [Augmented Situational Awareness Windshield (ASAW)](https://sbir.defensebusiness.org/topics?topicId=29807) |
| [A19-054](https://sbir.defensebusiness.org/topics?topicId=29753) | [Multimodal Surveillance and Threat Plume Locating and Tracking at Eye-Safe Infrared Wavelengths](https://sbir.defensebusiness.org/topics?topicId=29753) |
| [A19-055](https://sbir.defensebusiness.org/topics?topicId=29780) | [Producing Hollow Conductivity-Enhanced Carbon Nanotubes for Advanced Obscuration](https://sbir.defensebusiness.org/topics?topicId=29780) |
| [A19-056](https://sbir.defensebusiness.org/topics?topicId=29734) | [Cost-Effective Methods for Expedient Dosimetry to Support Diagnosis of Radiation Injury](https://sbir.defensebusiness.org/topics?topicId=29734) |
| [A19-057](https://sbir.defensebusiness.org/topics?topicId=29820) | [Large Area Synthetic Signature Control](https://sbir.defensebusiness.org/topics?topicId=29820) |
| [A19-058](https://sbir.defensebusiness.org/topics?topicId=29760) | [Focused Microclimate Heating for Dexterity](https://sbir.defensebusiness.org/topics?topicId=29760) |
| [A19-059](https://sbir.defensebusiness.org/topics?topicId=29754) | [Smartphone Clustering and Data-Partitioning/Recombination Processing Framework](https://sbir.defensebusiness.org/topics?topicId=29754) |
| [A19-060](https://sbir.defensebusiness.org/topics?topicId=29772) | [Far Forward Medical Logistics Light Weight Store and Forward Capability](https://sbir.defensebusiness.org/topics?topicId=29772) |
| [A19-061](https://sbir.defensebusiness.org/topics?topicId=29756) | [Expeditionary Concealment System](https://sbir.defensebusiness.org/topics?topicId=29756) |
| [A19-062](https://sbir.defensebusiness.org/topics?topicId=29737) | [Autonomous Deployment of Sensors through Airdrop Operations](https://sbir.defensebusiness.org/topics?topicId=29737) |
| [A19-063](https://sbir.defensebusiness.org/topics?topicId=29815) | [Heat-Transmitting/Heat-Trapping Lightweight Textile](https://sbir.defensebusiness.org/topics?topicId=29815) |
| [A19-065](https://sbir.defensebusiness.org/topics?topicId=29793) | [Thermal Deception Device for Mission Command](https://sbir.defensebusiness.org/topics?topicId=29793) |
| [A19-066](https://sbir.defensebusiness.org/topics?topicId=29789) | [Electronic Textile Enabled Personal Area Networks (EPAN) for Ground and Air Soldiers](https://sbir.defensebusiness.org/topics?topicId=29789) |
| [A19-069](https://sbir.defensebusiness.org/topics?topicId=29819) | [Manufacturing Production of Electronic Textiles and Connectors for Wearable Heating Devices](https://sbir.defensebusiness.org/topics?topicId=29819) |
| [A19-070](https://sbir.defensebusiness.org/topics?topicId=29795) | [Innovative Primer Design for Large Caliber Ammunition](https://sbir.defensebusiness.org/topics?topicId=29795) |
| [A19-071](https://sbir.defensebusiness.org/topics?topicId=29779) | [Weather Situational Awareness in the Cockpit](https://sbir.defensebusiness.org/topics?topicId=29779) |
| [A19-072](https://sbir.defensebusiness.org/topics?topicId=29798) | [Micro Identification Friend or Foe (IFF) Transponder](https://sbir.defensebusiness.org/topics?topicId=29798) |
| [A19-073](https://sbir.defensebusiness.org/topics?topicId=29742) | [Secure Avionics Mobile and Windshield Display Technologies](https://sbir.defensebusiness.org/topics?topicId=29742) |
| [A19-074](https://sbir.defensebusiness.org/topics?topicId=29808) | [Safe High Performing Rechargeable Military Battery](https://sbir.defensebusiness.org/topics?topicId=29808) |
| [A19-076](https://sbir.defensebusiness.org/topics?topicId=29800) | [Expeditionary Additive Manufacturing (AM): Metallic Based Systems](https://sbir.defensebusiness.org/topics?topicId=29800) |
| [A19-077](https://sbir.defensebusiness.org/topics?topicId=29824) | [Effective Heat Exchanger Performance](https://sbir.defensebusiness.org/topics?topicId=29824) |
| [A19-078](https://sbir.defensebusiness.org/topics?topicId=29801) | [Data Sharing and Encryption](https://sbir.defensebusiness.org/topics?topicId=29801) |
| [A19-079](https://sbir.defensebusiness.org/topics?topicId=29765) | [Economical, Multi-Use Software-Defined Radio Capability at Ku-Band and Above](https://sbir.defensebusiness.org/topics?topicId=29765) |
| [A19-080](https://sbir.defensebusiness.org/topics?topicId=29792) | [Cyber Security Tool Kits for Engineers and Soldiers](https://sbir.defensebusiness.org/topics?topicId=29792) |
| [A19-081](https://sbir.defensebusiness.org/topics?topicId=29833) | [Non-Explosive Non Nuclear Electro-Magnetic Pulse (EMP) Power Supply](https://sbir.defensebusiness.org/topics?topicId=29833) |
| [A19-082](https://sbir.defensebusiness.org/topics?topicId=29830) | [Energy harvesting solutions for tracking flight times in aviation and missile structures](https://sbir.defensebusiness.org/topics?topicId=29830) |
| [A19-083](https://sbir.defensebusiness.org/topics?topicId=29773) | [Automated Cyber Opposition Forces](https://sbir.defensebusiness.org/topics?topicId=29773) |
| [A19-084](https://sbir.defensebusiness.org/topics?topicId=29741) | [Trust and Situational Awareness in Augmented Reality Soldier Training](https://sbir.defensebusiness.org/topics?topicId=29741) |
| [A19-085](https://sbir.defensebusiness.org/topics?topicId=29764) | [High Power High Efficiency Single Mode Diode Emitter](https://sbir.defensebusiness.org/topics?topicId=29764) |
| [A19-086](https://sbir.defensebusiness.org/topics?topicId=29821) | [High Dynamic Range Camera for High Energy Laser Fine Tracking](https://sbir.defensebusiness.org/topics?topicId=29821) |
| [A19-087](https://sbir.defensebusiness.org/topics?topicId=29740) | [Adaptive Optics System for a High Energy Laser Weapon System](https://sbir.defensebusiness.org/topics?topicId=29740) |
| [A19-088](https://sbir.defensebusiness.org/topics?topicId=29782) | [Lightweight Optical Components for High Energy Laser System](https://sbir.defensebusiness.org/topics?topicId=29782) |
| [A19-089](https://sbir.defensebusiness.org/topics?topicId=29805) | [Advanced Diesel Engine High-Pressure Fuel Injection Pump](https://sbir.defensebusiness.org/topics?topicId=29805) |
| [A19-090](https://sbir.defensebusiness.org/topics?topicId=29771) | [Battery Cycle Life & Performance Optimization for Small and Medium-Sized Robotic Platforms](https://sbir.defensebusiness.org/topics?topicId=29771) |
| [A19-091](https://sbir.defensebusiness.org/topics?topicId=29786) | [Electric Coolant Pump for High-Temperature Power Generation Cooling Applications](https://sbir.defensebusiness.org/topics?topicId=29786) |
| [A19-092](https://sbir.defensebusiness.org/topics?topicId=29826) | [Aviation Filtration Technology for the Replacement of Filter Monitors](https://sbir.defensebusiness.org/topics?topicId=29826) |
| [A19-093](https://sbir.defensebusiness.org/topics?topicId=29781) | [Wide Band Gap High Current Solid State Circuit Protection Device](https://sbir.defensebusiness.org/topics?topicId=29781) |
| [A19-094](https://sbir.defensebusiness.org/topics?topicId=29806) | [600VDC to 208VAC 3-Phase Bi-Directional Power Inverter](https://sbir.defensebusiness.org/topics?topicId=29806) |
| [A19-095](https://sbir.defensebusiness.org/topics?topicId=29735) | [Multi-Axis Energy Attenuation Seat System](https://sbir.defensebusiness.org/topics?topicId=29735) |
| [A19-096](https://sbir.defensebusiness.org/topics?topicId=29739) | [JP-8 Conversion Kit for Small Spark Ignition Gasoline Engines](https://sbir.defensebusiness.org/topics?topicId=29739) |
| [A19-097](https://sbir.defensebusiness.org/topics?topicId=29750) | [Deep Learning Architecture for a Wide Variety of Sensors](https://sbir.defensebusiness.org/topics?topicId=29750) |
| [A19-098](https://sbir.defensebusiness.org/topics?topicId=29783) | [Combat Vehicle Programs: Product Development (PD) Resilience through Set-Based Design Application](https://sbir.defensebusiness.org/topics?topicId=29783) |
| [A19-099](https://sbir.defensebusiness.org/topics?topicId=29832) | [Photovoltaic Powered Low Power Dehumidification Systems for Individual Combat Vehicle Interiors](https://sbir.defensebusiness.org/topics?topicId=29832) |
| [A19-100](https://sbir.defensebusiness.org/topics?topicId=29788) | [Identification Friend or Foe (IFF) Panel with Dynamic Contrast at Long Wave Infrared (LWIR) Wavelengths](https://sbir.defensebusiness.org/topics?topicId=29788) |

**Air Force SBIR**

|  |  |
| --- | --- |
| [AF191-001](https://sbir.defensebusiness.org/topics?topicId=30202) | [Multi-Domain Command & Control](https://sbir.defensebusiness.org/topics?topicId=30202) |
| [AF191-002](https://sbir.defensebusiness.org/topics?topicId=30203) | [Space](https://sbir.defensebusiness.org/topics?topicId=30203) |
| [AF191-003](https://sbir.defensebusiness.org/topics?topicId=30204) | [Advanced Materials for Defense](https://sbir.defensebusiness.org/topics?topicId=30204) |
| [AF191-004](https://sbir.defensebusiness.org/topics?topicId=30205) | [Open Call for Robotics, 3D Printing, and Autonomous Systems Defense-Related Dual-Purpose Technologies/Solutions with a Clear Air Force Stakeholder Need](https://sbir.defensebusiness.org/topics?topicId=30205) |
| [AF191-005](https://sbir.defensebusiness.org/topics?topicId=30206) | [Open Call for Innovative Defense-Related Dual-Purpose Technologies/Solutions with a Clear Air Force Stakeholder Need](https://sbir.defensebusiness.org/topics?topicId=30206) |
| [AF191-006](https://sbir.defensebusiness.org/topics?topicId=30207) | [6U CubeSat EO/IR Solutions for Operational Weather Demo](https://sbir.defensebusiness.org/topics?topicId=30207) |
| [AF191-007](https://sbir.defensebusiness.org/topics?topicId=30208) | [Rapid CubeSat Development](https://sbir.defensebusiness.org/topics?topicId=30208) |
| [AF191-008](https://sbir.defensebusiness.org/topics?topicId=30209) | [Commercial Solutions for Innovative Space Data Analytics](https://sbir.defensebusiness.org/topics?topicId=30209) |
| [AF191-009](https://sbir.defensebusiness.org/topics?topicId=30311) | [Pitch Day in Command, Control, Communications, Intelligence, and Network (C3I&N)](https://sbir.defensebusiness.org/topics?topicId=30311) |
| [AF191-010](https://sbir.defensebusiness.org/topics?topicId=30312) | [Pitch Day Investment in Battlefield Air Operations Family of Systems Technologies](https://sbir.defensebusiness.org/topics?topicId=30312) |
| [AF191-011](https://sbir.defensebusiness.org/topics?topicId=30313) | [Pitch Day Investment in Digital Technology](https://sbir.defensebusiness.org/topics?topicId=30313) |
| [AF191-016](https://sbir.defensebusiness.org/topics?topicId=30210) | [Breathing Air Manifold for Air Quality Sampling](https://sbir.defensebusiness.org/topics?topicId=30210) |
| [AF191-017](https://sbir.defensebusiness.org/topics?topicId=30211) | [Multi-Physics Modeling Software for Directed Energy Bio-effects](https://sbir.defensebusiness.org/topics?topicId=30211) |
| [AF191-018](https://sbir.defensebusiness.org/topics?topicId=30212) | [Sensor System for Real Time Observation of High Energy Laser Effects](https://sbir.defensebusiness.org/topics?topicId=30212) |
| [AF191-019](https://sbir.defensebusiness.org/topics?topicId=30213) | [Game-based Distributed, Multi-Domain Operations Teaming Environment](https://sbir.defensebusiness.org/topics?topicId=30213) |
| [AF191-020](https://sbir.defensebusiness.org/topics?topicId=30214) | [Autonomy for Supporting Strategic Reasoning about Intelligence Collection Management for Multi-Domain Operations](https://sbir.defensebusiness.org/topics?topicId=30214) |
| [AF191-021](https://sbir.defensebusiness.org/topics?topicId=30215) | [Personal Assistant for Intelligence, Surveillance and Reconnaissance (ISR) Analysts](https://sbir.defensebusiness.org/topics?topicId=30215) |
| [AF191-022](https://sbir.defensebusiness.org/topics?topicId=30216) | [Improving Transparency of Object Tracking Technology for RPA Sensor Operators](https://sbir.defensebusiness.org/topics?topicId=30216) |
| [AF191-023](https://sbir.defensebusiness.org/topics?topicId=30217) | [Nonmixing, Rapid-escape Airlock](https://sbir.defensebusiness.org/topics?topicId=30217) |
| [AF191-024](https://sbir.defensebusiness.org/topics?topicId=30218) | [Extreme Cold Weather Aviation System Boots](https://sbir.defensebusiness.org/topics?topicId=30218) |
| [AF191-025](https://sbir.defensebusiness.org/topics?topicId=30219) | [Bounding Probability of Detection Using Sonic Infrared Inspection](https://sbir.defensebusiness.org/topics?topicId=30219) |
| [AF191-026](https://sbir.defensebusiness.org/topics?topicId=30220) | [Crack Sizing from Vibrothermography Nondestructive Inspection (NDI) Image](https://sbir.defensebusiness.org/topics?topicId=30220) |
| [AF191-027](https://sbir.defensebusiness.org/topics?topicId=30221) | [Field-level Aviation/Ground Fuel Trace Element (Metal) Analysis](https://sbir.defensebusiness.org/topics?topicId=30221) |
| [AF191-028](https://sbir.defensebusiness.org/topics?topicId=30222) | [Field-level Detection of Metal Deactivator Additive (MDA) in Aviation Fuels](https://sbir.defensebusiness.org/topics?topicId=30222) |
| [AF191-029](https://sbir.defensebusiness.org/topics?topicId=30223) | [Field-level Aviation Fuel Contamination Analysis via Integrated Suite of Miniaturized Sensors including Near Infrared (NIR) Spectroscopy](https://sbir.defensebusiness.org/topics?topicId=30223) |
| [AF191-030](https://sbir.defensebusiness.org/topics?topicId=30224) | [Hydrant Fuel System In-line Aviation Fuel Quality Monitor/Analyzer for Flushing Operational Efficiency](https://sbir.defensebusiness.org/topics?topicId=30224) |
| [AF191-031](https://sbir.defensebusiness.org/topics?topicId=30225) | [Precision aircraft jack to jig technology](https://sbir.defensebusiness.org/topics?topicId=30225) |
| [AF191-032](https://sbir.defensebusiness.org/topics?topicId=30226) | [Dynamic Signature System Calibration Device](https://sbir.defensebusiness.org/topics?topicId=30226) |
| [AF191-033](https://sbir.defensebusiness.org/topics?topicId=30231) | [RF Reception in Highly Reflecting Environments](https://sbir.defensebusiness.org/topics?topicId=30231) |
| [AF191-034](https://sbir.defensebusiness.org/topics?topicId=30232) | [High Power Broadband MWIR Emitters](https://sbir.defensebusiness.org/topics?topicId=30232) |
| [AF191-035](https://sbir.defensebusiness.org/topics?topicId=30233) | [Data/Model Fusion for Missile Signature Modeling](https://sbir.defensebusiness.org/topics?topicId=30233) |
| [AF191-036](https://sbir.defensebusiness.org/topics?topicId=30234) | [High Energy Atomic Oxygen Generator](https://sbir.defensebusiness.org/topics?topicId=30234) |
| [AF191-037](https://sbir.defensebusiness.org/topics?topicId=30235) | [Non-Contact Sled Position Indicator](https://sbir.defensebusiness.org/topics?topicId=30235) |
| [AF191-038](https://sbir.defensebusiness.org/topics?topicId=30236) | [Diffuse Screens for Dynamic Infrared Scene Projection Systems](https://sbir.defensebusiness.org/topics?topicId=30236) |
| [AF191-039](https://sbir.defensebusiness.org/topics?topicId=30237) | [Rain Drop Measurement System](https://sbir.defensebusiness.org/topics?topicId=30237) |
| [AF191-040](https://sbir.defensebusiness.org/topics?topicId=30238) | [Development of Test Technologies and Methodologies for Advanced Focal Plane Arrays](https://sbir.defensebusiness.org/topics?topicId=30238) |
| [AF191-041](https://sbir.defensebusiness.org/topics?topicId=30239) | [Hypersonic Sled Braking Technology](https://sbir.defensebusiness.org/topics?topicId=30239) |
| [AF191-042](https://sbir.defensebusiness.org/topics?topicId=30240) | [High Speed MWIR Laser Attenuator](https://sbir.defensebusiness.org/topics?topicId=30240) |
| [AF191-043](https://sbir.defensebusiness.org/topics?topicId=30241) | [Sledborne Event Initiator](https://sbir.defensebusiness.org/topics?topicId=30241) |
| [AF191-044](https://sbir.defensebusiness.org/topics?topicId=30242) | [High Power Broadband Ultraviolet Emitters](https://sbir.defensebusiness.org/topics?topicId=30242) |
| [AF191-045](https://sbir.defensebusiness.org/topics?topicId=30243) | [Real-time Fuel Chemistry Analysis for Hypersonic Propulsion System Ground T&E](https://sbir.defensebusiness.org/topics?topicId=30243) |
| [AF191-046](https://sbir.defensebusiness.org/topics?topicId=30244) | [Energy Harvesting System](https://sbir.defensebusiness.org/topics?topicId=30244) |
| [AF191-047](https://sbir.defensebusiness.org/topics?topicId=30245) | [Non-Intrusive and Non-Invasive Fuel Flowmeter](https://sbir.defensebusiness.org/topics?topicId=30245) |
| [AF191-048](https://sbir.defensebusiness.org/topics?topicId=30246) | [Develop a Wireless Instrumentation System (WIS)](https://sbir.defensebusiness.org/topics?topicId=30246) |
| [AF191-049](https://sbir.defensebusiness.org/topics?topicId=30247) | [Cybersecurity for Standalone Airgap Systems](https://sbir.defensebusiness.org/topics?topicId=30247) |
| [AF191-050](https://sbir.defensebusiness.org/topics?topicId=30248) | [High Accuracy Air to Air Scoring](https://sbir.defensebusiness.org/topics?topicId=30248) |
| [AF191-051](https://sbir.defensebusiness.org/topics?topicId=30249) | [Micro-STT Ground-to-Air Radar](https://sbir.defensebusiness.org/topics?topicId=30249) |
| [AF191-052](https://sbir.defensebusiness.org/topics?topicId=30250) | [Sea-Skimming Missile Tracking](https://sbir.defensebusiness.org/topics?topicId=30250) |
| [AF191-053](https://sbir.defensebusiness.org/topics?topicId=30251) | [Illuminators for applications involving coherent detection](https://sbir.defensebusiness.org/topics?topicId=30251) |
| [AF191-054](https://sbir.defensebusiness.org/topics?topicId=30227) | [Fast-framing SWIR cameras for digital-holographic detection](https://sbir.defensebusiness.org/topics?topicId=30227) |
| [AF191-055](https://sbir.defensebusiness.org/topics?topicId=30228) | [Antireflective YAG Surface Etching](https://sbir.defensebusiness.org/topics?topicId=30228) |
| [AF191-056](https://sbir.defensebusiness.org/topics?topicId=30252) | [Low-Cost, High-Bandwidth Fast Steering Mirror (FSM)](https://sbir.defensebusiness.org/topics?topicId=30252) |
| [AF191-057](https://sbir.defensebusiness.org/topics?topicId=30253) | [Low SWaP Tactical Beam Control System](https://sbir.defensebusiness.org/topics?topicId=30253) |
| [AF191-058](https://sbir.defensebusiness.org/topics?topicId=30254) | [Aero-Mechanical Force Emulator](https://sbir.defensebusiness.org/topics?topicId=30254) |
| [AF191-059](https://sbir.defensebusiness.org/topics?topicId=30255) | [FSO and RF Integrated Aerial Communications (FaRIA-C)](https://sbir.defensebusiness.org/topics?topicId=30255) |
| [AF191-060](https://sbir.defensebusiness.org/topics?topicId=30256) | [Collaboration and Interoperability for Distributed Mission Analysis](https://sbir.defensebusiness.org/topics?topicId=30256) |
| [AF191-061](https://sbir.defensebusiness.org/topics?topicId=30257) | [Bandwidth Constrained Electronic Warfare](https://sbir.defensebusiness.org/topics?topicId=30257) |
| [AF191-062](https://sbir.defensebusiness.org/topics?topicId=30258) | [Distributed Deep Learning and Sensing](https://sbir.defensebusiness.org/topics?topicId=30258) |
| [AF191-063](https://sbir.defensebusiness.org/topics?topicId=30259) | [Information Flow Control for Microkernels](https://sbir.defensebusiness.org/topics?topicId=30259) |
| [AF191-064](https://sbir.defensebusiness.org/topics?topicId=30260) | [Formal Methods for Automated Unit Testing](https://sbir.defensebusiness.org/topics?topicId=30260) |
| [AF191-065](https://sbir.defensebusiness.org/topics?topicId=30261) | [Network Sensing and Analytics for Low Bandwidth Cyber Protection Team (CPT) Deployment Scenarios](https://sbir.defensebusiness.org/topics?topicId=30261) |
| [AF191-066](https://sbir.defensebusiness.org/topics?topicId=30262) | [Rotary Platform Windscreen Transparency for Bird Strike Protection](https://sbir.defensebusiness.org/topics?topicId=30262) |
| [AF191-067](https://sbir.defensebusiness.org/topics?topicId=30263) | [Reliable, Rapid and Cost Effective Fabrication Techniques for Larger Scale Scramjet Engines](https://sbir.defensebusiness.org/topics?topicId=30263) |
| [AF191-068](https://sbir.defensebusiness.org/topics?topicId=30264) | [Detailed and Reduced Chemical Kinetic Model Development for Rocket Hydrocarbon Combustion](https://sbir.defensebusiness.org/topics?topicId=30264) |
| [AF191-069](https://sbir.defensebusiness.org/topics?topicId=30265) | [Diaphragm Material Optimization for Monopropulsion Systems for Spacecraft](https://sbir.defensebusiness.org/topics?topicId=30265) |
| [AF191-070](https://sbir.defensebusiness.org/topics?topicId=30266) | [Thermal Management for High Power SmallSats](https://sbir.defensebusiness.org/topics?topicId=30266) |
| [AF191-071](https://sbir.defensebusiness.org/topics?topicId=30267) | [Flexible Solar Arrays for Small Spacecraft Buses](https://sbir.defensebusiness.org/topics?topicId=30267) |
| [AF191-072](https://sbir.defensebusiness.org/topics?topicId=30268) | [Spacecraft Fault Detection Identification & Causation Using Machine Learning](https://sbir.defensebusiness.org/topics?topicId=30268) |
| [AF191-073](https://sbir.defensebusiness.org/topics?topicId=30269) | [Optimal Network Reconstitution of Multi-Domain Assets in the Presence of Failures](https://sbir.defensebusiness.org/topics?topicId=30269) |
| [AF191-074](https://sbir.defensebusiness.org/topics?topicId=30270) | [Cryogenic Radiation-Hard Read-out Integrated Circuit Electronics Process Design Kit](https://sbir.defensebusiness.org/topics?topicId=30270) |
| [AF191-075](https://sbir.defensebusiness.org/topics?topicId=30271) | [Advanced Manufacturing and Assembly Approaches for Reduced Cost Small Satellite Constellations](https://sbir.defensebusiness.org/topics?topicId=30271) |
| [AF191-076](https://sbir.defensebusiness.org/topics?topicId=30272) | [Advanced Power Source Technologies](https://sbir.defensebusiness.org/topics?topicId=30272) |
| [AF191-077](https://sbir.defensebusiness.org/topics?topicId=30273) | [Composite Case Technology for Penetrators/Perforators](https://sbir.defensebusiness.org/topics?topicId=30273) |
| [AF191-078](https://sbir.defensebusiness.org/topics?topicId=30274) | [Develop Innovative Circular and Domed Structure Response Models](https://sbir.defensebusiness.org/topics?topicId=30274) |
| [AF191-079](https://sbir.defensebusiness.org/topics?topicId=30275) | [Next Generation Laser Designator](https://sbir.defensebusiness.org/topics?topicId=30275) |
| [AF191-080](https://sbir.defensebusiness.org/topics?topicId=30276) | [Topology Optimization for Dynamic Weapon Events](https://sbir.defensebusiness.org/topics?topicId=30276) |
| [AF191-081](https://sbir.defensebusiness.org/topics?topicId=30277) | [Innovative Multiphase Models for Enhanced Blast Effects](https://sbir.defensebusiness.org/topics?topicId=30277) |
| [AF191-082](https://sbir.defensebusiness.org/topics?topicId=30278) | [Manufacturing methods to Enhance UHSS Casing Properties for Penetrating Munitions](https://sbir.defensebusiness.org/topics?topicId=30278) |
| [AF191-083](https://sbir.defensebusiness.org/topics?topicId=30279) | [Auto-designer Target Generator](https://sbir.defensebusiness.org/topics?topicId=30279) |
| [AF191-084](https://sbir.defensebusiness.org/topics?topicId=30280) | [Variable Bomb Ejection Pressure Cartridge](https://sbir.defensebusiness.org/topics?topicId=30280) |
| [AF191-085](https://sbir.defensebusiness.org/topics?topicId=30281) | [Novel Lightweight Sensors for Indoor Unmanned Aerial Vehicles](https://sbir.defensebusiness.org/topics?topicId=30281) |
| [AF191-086](https://sbir.defensebusiness.org/topics?topicId=30282) | [High-Speed Environment Modeling and Simulation Tool](https://sbir.defensebusiness.org/topics?topicId=30282) |
| [AF191-087](https://sbir.defensebusiness.org/topics?topicId=30283) | [Multi-Band Seeker Antennas](https://sbir.defensebusiness.org/topics?topicId=30283) |
| [AF191-088](https://sbir.defensebusiness.org/topics?topicId=30284) | [Carbon-Carbon (C-C) Composite Process Modeling for Accurate Dimensions](https://sbir.defensebusiness.org/topics?topicId=30284) |
| [AF191-089](https://sbir.defensebusiness.org/topics?topicId=30229) | [Improved C-C Coatings for Durability in High Heat Flux Environments](https://sbir.defensebusiness.org/topics?topicId=30229) |
| [AF191-090](https://sbir.defensebusiness.org/topics?topicId=30230) | [Maintenance Data Integrity Study and Logistics Linkage](https://sbir.defensebusiness.org/topics?topicId=30230) |
| [AF191-091](https://sbir.defensebusiness.org/topics?topicId=30285) | [Physics-Based Prediction of Residual Stresses for Fatigue and Fatigue Crack Growth Life Assessment](https://sbir.defensebusiness.org/topics?topicId=30285) |
| [AF191-092](https://sbir.defensebusiness.org/topics?topicId=30286) | [AgilePod® Capability Enhancements: Wideband Multi-Function RF Sensing](https://sbir.defensebusiness.org/topics?topicId=30286) |
| [AF191-093](https://sbir.defensebusiness.org/topics?topicId=30287) | [Innovative Methods for Thermoplastic Composites on ATL/AFP](https://sbir.defensebusiness.org/topics?topicId=30287) |
| [AF191-094](https://sbir.defensebusiness.org/topics?topicId=30288) | [Thin Mat Material Foreign Object Debris (FOD) Inspection System](https://sbir.defensebusiness.org/topics?topicId=30288) |
| [AF191-095](https://sbir.defensebusiness.org/topics?topicId=30289) | [Integrated Circuit (IC) Die Extraction & Reassembly Automation](https://sbir.defensebusiness.org/topics?topicId=30289) |
| [AF191-096](https://sbir.defensebusiness.org/topics?topicId=30290) | [Low Cost Electrochemical Machining System Small Aero Components](https://sbir.defensebusiness.org/topics?topicId=30290) |
| [AF191-097](https://sbir.defensebusiness.org/topics?topicId=30291) | [Nondestructive Instrument to Determine Composite Surface Activation State in Manufacturing Environment](https://sbir.defensebusiness.org/topics?topicId=30291) |
| [AF191-098](https://sbir.defensebusiness.org/topics?topicId=30292) | [Augmented Heating of Dissimilar Metals to Improve Joinability of Friction Welds](https://sbir.defensebusiness.org/topics?topicId=30292) |
| [AF191-099](https://sbir.defensebusiness.org/topics?topicId=30293) | [Low Cost Additive Manufacturing for Cast Tooling](https://sbir.defensebusiness.org/topics?topicId=30293) |
| [AF191-100](https://sbir.defensebusiness.org/topics?topicId=30294) | [Low Distortion Repair of Thin Superalloy Components](https://sbir.defensebusiness.org/topics?topicId=30294) |
| [AF191-101](https://sbir.defensebusiness.org/topics?topicId=30295) | [Improved Seals for Hypersonic Vehicles](https://sbir.defensebusiness.org/topics?topicId=30295) |
| [AF191-102](https://sbir.defensebusiness.org/topics?topicId=30296) | [AgilePod® Capability Enhancements: LiDAR](https://sbir.defensebusiness.org/topics?topicId=30296) |
| [AF191-103](https://sbir.defensebusiness.org/topics?topicId=30297) | [Augmented and Facilitated Nondestructive Inspection (NDI) for Large Area Assessments](https://sbir.defensebusiness.org/topics?topicId=30297) |
| [AF191-104](https://sbir.defensebusiness.org/topics?topicId=30298) | [Plasma Electrolytic Oxidation (PEO) Coating for Combat Rescue Helicopter](https://sbir.defensebusiness.org/topics?topicId=30298) |
| [AF191-105](https://sbir.defensebusiness.org/topics?topicId=30299) | [Use of Sensor Technology To Impact Corrosion Management of Combat Rescue Helicopter](https://sbir.defensebusiness.org/topics?topicId=30299) |
| [AF191-106](https://sbir.defensebusiness.org/topics?topicId=30300) | [Developing Sustainable and Adaptive Small Engine Manufacturing](https://sbir.defensebusiness.org/topics?topicId=30300) |
| [AF191-107](https://sbir.defensebusiness.org/topics?topicId=30301) | [Enhanced Precursors for Silicon-Based Ceramic Matrix Composites](https://sbir.defensebusiness.org/topics?topicId=30301) |
| [AF191-108](https://sbir.defensebusiness.org/topics?topicId=30302) | [Optimizing Manufacturing of Metallic Materials by Modeling Microstructure](https://sbir.defensebusiness.org/topics?topicId=30302) |
| [AF191-109](https://sbir.defensebusiness.org/topics?topicId=30303) | [Increasing the Manufacturing Robustness of Complex Composite Geometries by Modeling the Process Variability due to the Human](https://sbir.defensebusiness.org/topics?topicId=30303) |
| [AF191-110](https://sbir.defensebusiness.org/topics?topicId=30304) | [Non-destructive Evaluation (NDE) Methods for Characterizing High Temperature Composite Surfaces and Coatings to Manufacture Improved Components for High Mach Applications](https://sbir.defensebusiness.org/topics?topicId=30304) |
| [AF191-111](https://sbir.defensebusiness.org/topics?topicId=30305) | [Non-destructive Evaluation (NDE) Techniques for Carbon-Carbon (C-C) Structures Applicable to Hypersonic Structural Materials Production](https://sbir.defensebusiness.org/topics?topicId=30305) |
| [AF191-112](https://sbir.defensebusiness.org/topics?topicId=30306) | [Carbon Nanotube Fiber Production: Improved Performance and Reduced Cost in Autonomous Vehicles and HPM Source Designs](https://sbir.defensebusiness.org/topics?topicId=30306) |
| [AF191-113](https://sbir.defensebusiness.org/topics?topicId=30307) | [Residual Stress Measurements to Aid Manufacturing of Aerospace Composite Materials](https://sbir.defensebusiness.org/topics?topicId=30307) |
| [AF191-D001](https://sbir.defensebusiness.org/topics?topicId=30308) | [Low Cost Laser Communications Ground Terminal Network](https://sbir.defensebusiness.org/topics?topicId=30308) |
| [AF191-D002](https://sbir.defensebusiness.org/topics?topicId=30309) | [Miniature Radar to Counter Small Unmanned Aircraft Systems (sUAS)](https://sbir.defensebusiness.org/topics?topicId=30309) |
| [AF191-D003](https://sbir.defensebusiness.org/topics?topicId=30310) | [Mitigation of Small Unmanned Aircraft System Swarms (sUASS)](https://sbir.defensebusiness.org/topics?topicId=30310) |

**Air Force STTR**

|  |  |
| --- | --- |
| [AF19A-T001](https://sbir.defensebusiness.org/topics?topicId=29834) | [Maintaining Human-Machine Shared Awareness in Distributed Operations with Degraded Communications](https://sbir.defensebusiness.org/topics?topicId=29834) |
| [AF19A-T002](https://sbir.defensebusiness.org/topics?topicId=29835) | [3D-Bioprinted Living System for Sensor Development](https://sbir.defensebusiness.org/topics?topicId=29835) |
| [AF19A-T003](https://sbir.defensebusiness.org/topics?topicId=29853) | [Remote cardiopulmonary sensing](https://sbir.defensebusiness.org/topics?topicId=29853) |
| [AF19A-T004](https://sbir.defensebusiness.org/topics?topicId=29854) | [Intelligent Robot Path Planning System for Grinding of Aircraft Propeller Blades](https://sbir.defensebusiness.org/topics?topicId=29854) |
| [AF19A-T005](https://sbir.defensebusiness.org/topics?topicId=29836) | [3D imaging for tracking and aim-point maintenance in the presence of target-pose changes](https://sbir.defensebusiness.org/topics?topicId=29836) |
| [AF19A-T006](https://sbir.defensebusiness.org/topics?topicId=29837) | [Vibration imaging for the characterization of extended, non-cooperative targets](https://sbir.defensebusiness.org/topics?topicId=29837) |
| [AF19A-T007](https://sbir.defensebusiness.org/topics?topicId=29838) | [Synthetic Scene Generation for Wide Application including High Performance Computing Environments](https://sbir.defensebusiness.org/topics?topicId=29838) |
| [AF19A-T008](https://sbir.defensebusiness.org/topics?topicId=29839) | [Optimization of Sodium Guide Star Return using Polarization and/or Modulation Control](https://sbir.defensebusiness.org/topics?topicId=29839) |
| [AF19A-T009](https://sbir.defensebusiness.org/topics?topicId=29840) | [Autonomous Decision Making via Hierarchical Brain Emulation](https://sbir.defensebusiness.org/topics?topicId=29840) |
| [AF19A-T010](https://sbir.defensebusiness.org/topics?topicId=29841) | [Virtual Reality for Multi-INT Deep Learning (VR-MDL)](https://sbir.defensebusiness.org/topics?topicId=29841) |
| [AF19A-T011](https://sbir.defensebusiness.org/topics?topicId=29842) | [Diagnostics for Performance Quantification and Combustion Characterization in Rotational Detonation Rocket Engine (RDRE)](https://sbir.defensebusiness.org/topics?topicId=29842) |
| [AF19A-T012](https://sbir.defensebusiness.org/topics?topicId=29843) | [Machine Learning Methods to Catalog Sources from Diverse, Widely Distributed Sensors](https://sbir.defensebusiness.org/topics?topicId=29843) |
| [AF19A-T013](https://sbir.defensebusiness.org/topics?topicId=29844) | [Software-Performed Segregation of Data and Processes within a Real-Time Embedded System](https://sbir.defensebusiness.org/topics?topicId=29844) |
| [AF19A-T014](https://sbir.defensebusiness.org/topics?topicId=29845) | [Next Generation Energy Storage Devices Capable of 400 Wh/kg and Long Life](https://sbir.defensebusiness.org/topics?topicId=29845) |
| [AF19A-T015](https://sbir.defensebusiness.org/topics?topicId=29846) | [Space-Based Computational Imaging Systems](https://sbir.defensebusiness.org/topics?topicId=29846) |
| [AF19A-T016](https://sbir.defensebusiness.org/topics?topicId=29847) | [Multifunctional Integrated Sensing Cargo Pocket UAS](https://sbir.defensebusiness.org/topics?topicId=29847) |
| [AF19A-T017](https://sbir.defensebusiness.org/topics?topicId=29848) | [Tunable bioinspired spatially-varying random photonic crystals](https://sbir.defensebusiness.org/topics?topicId=29848) |
| [AF19A-T018](https://sbir.defensebusiness.org/topics?topicId=29849) | [Hardware-in-the-loop test bed for magnetic field navigation](https://sbir.defensebusiness.org/topics?topicId=29849) |
| [AF19A-T019](https://sbir.defensebusiness.org/topics?topicId=29850) | [Efficient numerical methods for mesoscale modeling of energetic materials](https://sbir.defensebusiness.org/topics?topicId=29850) |
| [AF19A-T020](https://sbir.defensebusiness.org/topics?topicId=29851) | [Guided Automation of Molecular Beam Epitaxy for Swift Training to Optimize Performance (GAMESTOP) of New Materials](https://sbir.defensebusiness.org/topics?topicId=29851) |
| [AF19A-T021](https://sbir.defensebusiness.org/topics?topicId=29852) | [Carbon-Carbon Manufacturing Process Modeling-Aeroshells](https://sbir.defensebusiness.org/topics?topicId=29852) |

**DHA (Defense Health Agency) - SBIR**

|  |  |
| --- | --- |
| [AF19A-T001](https://sbir.defensebusiness.org/topics?topicId=29834) | [Maintaining Human-Machine Shared Awareness in Distributed Operations with Degraded Communications](https://sbir.defensebusiness.org/topics?topicId=29834) |
| [AF19A-T002](https://sbir.defensebusiness.org/topics?topicId=29835) | [3D-Bioprinted Living System for Sensor Development](https://sbir.defensebusiness.org/topics?topicId=29835) |
| [AF19A-T003](https://sbir.defensebusiness.org/topics?topicId=29853) | [Remote cardiopulmonary sensing](https://sbir.defensebusiness.org/topics?topicId=29853) |
| [AF19A-T004](https://sbir.defensebusiness.org/topics?topicId=29854) | [Intelligent Robot Path Planning System for Grinding of Aircraft Propeller Blades](https://sbir.defensebusiness.org/topics?topicId=29854) |
| [AF19A-T005](https://sbir.defensebusiness.org/topics?topicId=29836) | [3D imaging for tracking and aim-point maintenance in the presence of target-pose changes](https://sbir.defensebusiness.org/topics?topicId=29836) |
| [AF19A-T006](https://sbir.defensebusiness.org/topics?topicId=29837) | [Vibration imaging for the characterization of extended, non-cooperative targets](https://sbir.defensebusiness.org/topics?topicId=29837) |
| [AF19A-T007](https://sbir.defensebusiness.org/topics?topicId=29838) | [Synthetic Scene Generation for Wide Application including High Performance Computing Environments](https://sbir.defensebusiness.org/topics?topicId=29838) |
| [AF19A-T008](https://sbir.defensebusiness.org/topics?topicId=29839) | [Optimization of Sodium Guide Star Return using Polarization and/or Modulation Control](https://sbir.defensebusiness.org/topics?topicId=29839) |
| [AF19A-T009](https://sbir.defensebusiness.org/topics?topicId=29840) | [Autonomous Decision Making via Hierarchical Brain Emulation](https://sbir.defensebusiness.org/topics?topicId=29840) |
| [AF19A-T010](https://sbir.defensebusiness.org/topics?topicId=29841) | [Virtual Reality for Multi-INT Deep Learning (VR-MDL)](https://sbir.defensebusiness.org/topics?topicId=29841) |
| [AF19A-T011](https://sbir.defensebusiness.org/topics?topicId=29842) | [Diagnostics for Performance Quantification and Combustion Characterization in Rotational Detonation Rocket Engine (RDRE)](https://sbir.defensebusiness.org/topics?topicId=29842) |
| [AF19A-T012](https://sbir.defensebusiness.org/topics?topicId=29843) | [Machine Learning Methods to Catalog Sources from Diverse, Widely Distributed Sensors](https://sbir.defensebusiness.org/topics?topicId=29843) |
| [AF19A-T013](https://sbir.defensebusiness.org/topics?topicId=29844) | [Software-Performed Segregation of Data and Processes within a Real-Time Embedded System](https://sbir.defensebusiness.org/topics?topicId=29844) |
| [AF19A-T014](https://sbir.defensebusiness.org/topics?topicId=29845) | [Next Generation Energy Storage Devices Capable of 400 Wh/kg and Long Life](https://sbir.defensebusiness.org/topics?topicId=29845) |
| [AF19A-T015](https://sbir.defensebusiness.org/topics?topicId=29846) | [Space-Based Computational Imaging Systems](https://sbir.defensebusiness.org/topics?topicId=29846) |
| [AF19A-T016](https://sbir.defensebusiness.org/topics?topicId=29847) | [Multifunctional Integrated Sensing Cargo Pocket UAS](https://sbir.defensebusiness.org/topics?topicId=29847) |
| [AF19A-T017](https://sbir.defensebusiness.org/topics?topicId=29848) | [Tunable bioinspired spatially-varying random photonic crystals](https://sbir.defensebusiness.org/topics?topicId=29848) |
| [AF19A-T018](https://sbir.defensebusiness.org/topics?topicId=29849) | [Hardware-in-the-loop test bed for magnetic field navigation](https://sbir.defensebusiness.org/topics?topicId=29849) |
| [AF19A-T019](https://sbir.defensebusiness.org/topics?topicId=29850) | [Efficient numerical methods for mesoscale modeling of energetic materials](https://sbir.defensebusiness.org/topics?topicId=29850) |
| [AF19A-T020](https://sbir.defensebusiness.org/topics?topicId=29851) | [Guided Automation of Molecular Beam Epitaxy for Swift Training to Optimize Performance (GAMESTOP) of New Materials](https://sbir.defensebusiness.org/topics?topicId=29851) |
| [AF19A-T021](https://sbir.defensebusiness.org/topics?topicId=29852) | [Carbon-Carbon Manufacturing Process Modeling-Aeroshells](https://sbir.defensebusiness.org/topics?topicId=29852) |

**DHA (Defense Health Agency) - STTR**

|  |  |
| --- | --- |
| [DHA19A-001](https://sbir.defensebusiness.org/topics?topicId=29986) | [Real Time, Point of Care, Multi-Functional Blood Coagulopathy Diagnostic](https://sbir.defensebusiness.org/topics?topicId=29986) |

**DLA (Defense Logistics Agency) - SBIR**

|  |  |
| --- | --- |
| [DLA191-001](https://sbir.defensebusiness.org/topics?topicId=29992) | [Reverse Engineering Technical Data Packages for Development of Alternate Sources of Supply for DLA Nuclear Enterprise Support Office (NESO)](https://sbir.defensebusiness.org/topics?topicId=29992) |

**Navy SBIR**

|  |  |
| --- | --- |
| [N191-001](https://sbir.defensebusiness.org/topics?topicId=30348) | [Multi-Color Long-wave Infrared (LWIR) Imagers for Infantry Applications](https://sbir.defensebusiness.org/topics?topicId=30348) |
| [N191-002](https://sbir.defensebusiness.org/topics?topicId=30371) | [Autonomous Pallet Loader](https://sbir.defensebusiness.org/topics?topicId=30371) |
| [N191-003](https://sbir.defensebusiness.org/topics?topicId=30381) | [Optically-Aided, Non-Global Positioning System (GPS) for Aircraft Navigation Over Water](https://sbir.defensebusiness.org/topics?topicId=30381) |
| [N191-004](https://sbir.defensebusiness.org/topics?topicId=30368) | [Real-Beam Inverse Synthetic Aperture Radar (ISAR) Imaging and Automatic Target Recognition](https://sbir.defensebusiness.org/topics?topicId=30368) |
| [N191-005](https://sbir.defensebusiness.org/topics?topicId=30341) | [Novel Diagnostic Methods for At-Sea Testing of Inertial Navigation System Avionics](https://sbir.defensebusiness.org/topics?topicId=30341) |
| [N191-006](https://sbir.defensebusiness.org/topics?topicId=30358) | [Compact Radio Frequency-to-Optical Transmitter for Airborne Military Environments](https://sbir.defensebusiness.org/topics?topicId=30358) |
| [N191-007](https://sbir.defensebusiness.org/topics?topicId=30346) | [Data Analytics Tools for the Automated Logistics Environment (ALE)](https://sbir.defensebusiness.org/topics?topicId=30346) |
| [N191-008](https://sbir.defensebusiness.org/topics?topicId=30349) | [Improved Quantum Efficiency Photo-Detector](https://sbir.defensebusiness.org/topics?topicId=30349) |
| [N191-009](https://sbir.defensebusiness.org/topics?topicId=30357) | [Reusable MATPAC Packaging System for Expeditionary Airfields](https://sbir.defensebusiness.org/topics?topicId=30357) |
| [N191-010](https://sbir.defensebusiness.org/topics?topicId=30353) | [Miniature Diode-Pumped Solid State Laser for Military and Aerospace Environments](https://sbir.defensebusiness.org/topics?topicId=30353) |
| [N191-011](https://sbir.defensebusiness.org/topics?topicId=30376) | [Automatic Threat Radar Waveform Recognition](https://sbir.defensebusiness.org/topics?topicId=30376) |
| [N191-012](https://sbir.defensebusiness.org/topics?topicId=30344) | [Mid-Wave Infrared Polarization-Maintaining Single Mode Fiber](https://sbir.defensebusiness.org/topics?topicId=30344) |
| [N191-013](https://sbir.defensebusiness.org/topics?topicId=30362) | [Maritime Big Data Analytics](https://sbir.defensebusiness.org/topics?topicId=30362) |
| [N191-014](https://sbir.defensebusiness.org/topics?topicId=30377) | [Brightness Scaling of Quantum Cascade Lasers](https://sbir.defensebusiness.org/topics?topicId=30377) |
| [N191-015](https://sbir.defensebusiness.org/topics?topicId=30384) | [Enhancing Seated Aircrew Endurance](https://sbir.defensebusiness.org/topics?topicId=30384) |
| [N191-016](https://sbir.defensebusiness.org/topics?topicId=30367) | [Clustering and Association for Active Sonar Tracking and Classification](https://sbir.defensebusiness.org/topics?topicId=30367) |
| [N191-017](https://sbir.defensebusiness.org/topics?topicId=30354) | [Enhanced Visualization for Situational Understanding](https://sbir.defensebusiness.org/topics?topicId=30354) |
| [N191-018](https://sbir.defensebusiness.org/topics?topicId=30352) | [Automated Event Logging for Improved Electronic Warfare Operations](https://sbir.defensebusiness.org/topics?topicId=30352) |
| [N191-019](https://sbir.defensebusiness.org/topics?topicId=30382) | [High Performance Computing (HPC) for AEGIS Combat Systems Test Bed (CSTB)](https://sbir.defensebusiness.org/topics?topicId=30382) |
| [N191-020](https://sbir.defensebusiness.org/topics?topicId=30370) | [Target Identification Interrogation Data Stream Analytics System](https://sbir.defensebusiness.org/topics?topicId=30370) |
| [N191-021](https://sbir.defensebusiness.org/topics?topicId=30345) | [Automated Curvilinear Mineline Detection](https://sbir.defensebusiness.org/topics?topicId=30345) |
| [N191-022](https://sbir.defensebusiness.org/topics?topicId=30374) | [3-inch SONAR Countermeasure](https://sbir.defensebusiness.org/topics?topicId=30374) |
| [N191-023](https://sbir.defensebusiness.org/topics?topicId=30351) | [Efficient 3-inch Acoustic Device Countermeasure (ADC) Depth Control System](https://sbir.defensebusiness.org/topics?topicId=30351) |
| [N191-024](https://sbir.defensebusiness.org/topics?topicId=30365) | [Standoff Command and Control of Remotely Operated Vehicles (ROVs)](https://sbir.defensebusiness.org/topics?topicId=30365) |
| [N191-025](https://sbir.defensebusiness.org/topics?topicId=30360) | [Compact High Energy Laser (HEL) Beam Director](https://sbir.defensebusiness.org/topics?topicId=30360) |
| [N191-026](https://sbir.defensebusiness.org/topics?topicId=30347) | [Antennas and Antenna Radomes with Extreme Thermal Shock Resistance for Missile Applications](https://sbir.defensebusiness.org/topics?topicId=30347) |
| [N191-027](https://sbir.defensebusiness.org/topics?topicId=30342) | [Conductivity, Temperature, Depth (CTD) Sensor for Ohio Class Ballistic Missile (SSBN), Ohio Class Guided Missile (SSGN), and Columbia Class Submarines](https://sbir.defensebusiness.org/topics?topicId=30342) |
| [N191-028](https://sbir.defensebusiness.org/topics?topicId=30364) | [Stimulated Brillouin Scattering (SBS) and Other Nonlinear Suppression for High Power Fiber Delivery System for Navy Platform High Energy Laser (HEL)](https://sbir.defensebusiness.org/topics?topicId=30364) |
| [N191-029](https://sbir.defensebusiness.org/topics?topicId=30369) | [Adaptive Radar Algorithms for Next Generation Surface Search Radar](https://sbir.defensebusiness.org/topics?topicId=30369) |
| [N191-030](https://sbir.defensebusiness.org/topics?topicId=30379) | [Risk Reduction and Resiliency Modeling Software for Industrial Control Systems](https://sbir.defensebusiness.org/topics?topicId=30379) |
| [N191-031](https://sbir.defensebusiness.org/topics?topicId=30359) | [Quantum Cascade Laser Manufacturing Cost Reduction](https://sbir.defensebusiness.org/topics?topicId=30359) |
| [N191-032](https://sbir.defensebusiness.org/topics?topicId=30366) | [Artificial Intelligence Real-Time Track Modeling and Simulation for Combat Systems](https://sbir.defensebusiness.org/topics?topicId=30366) |
| [N191-033](https://sbir.defensebusiness.org/topics?topicId=30350) | [Spatially Distributed Electron Beam Gun for High Pulse Repetition Rate Operation](https://sbir.defensebusiness.org/topics?topicId=30350) |
| [N191-034](https://sbir.defensebusiness.org/topics?topicId=30363) | [Automated Multi-System Course of Action Analysis Using Artificial Intelligence](https://sbir.defensebusiness.org/topics?topicId=30363) |
| [N191-035](https://sbir.defensebusiness.org/topics?topicId=30380) | [Fat Line Towed Array Aft Stabilizer](https://sbir.defensebusiness.org/topics?topicId=30380) |
| [N191-036](https://sbir.defensebusiness.org/topics?topicId=30375) | [Big Data Tools for High-speed Threat Detection and Classification](https://sbir.defensebusiness.org/topics?topicId=30375) |
| [N191-037](https://sbir.defensebusiness.org/topics?topicId=30356) | [Cyber Secure Backbone for Autonomous Vehicles](https://sbir.defensebusiness.org/topics?topicId=30356) |
| [N191-038](https://sbir.defensebusiness.org/topics?topicId=30343) | [Through-the-Hull Data Transfer](https://sbir.defensebusiness.org/topics?topicId=30343) |
| [N191-039](https://sbir.defensebusiness.org/topics?topicId=30372) | [High Operating Temperature (HOT) Short-Wave Infrared/Mid-Wave Infrared (SWIR/MWIR) Dual-band 2-channel and Broadband Detectors for Weapon Targeting and IR Seekers](https://sbir.defensebusiness.org/topics?topicId=30372) |
| [N191-040](https://sbir.defensebusiness.org/topics?topicId=30383) | [Open Cell Ring Down Spectrometer to Measure Atmospheric Visible and Infrared Ambient Light Extinction](https://sbir.defensebusiness.org/topics?topicId=30383) |
| [N191-041](https://sbir.defensebusiness.org/topics?topicId=30355) | [Development of Long-Life, Energy-Dense Batteries Using Alpha-Beta Emitting Isotopes/Isomers](https://sbir.defensebusiness.org/topics?topicId=30355) |
| [N191-042](https://sbir.defensebusiness.org/topics?topicId=30361) | [Developing an Intermediate Augmented Reality Capability for Infantry](https://sbir.defensebusiness.org/topics?topicId=30361) |
| [N191-043](https://sbir.defensebusiness.org/topics?topicId=30378) | [Development of Ultrasonically Absorptive Aeroshell Materials for Hypersonic Boundary Layer Transition (BLT) Delay](https://sbir.defensebusiness.org/topics?topicId=30378) |
| [N191-044](https://sbir.defensebusiness.org/topics?topicId=30373) | [Undersea Energy Harvesting from Benthic Gas Seeps and Hydrates](https://sbir.defensebusiness.org/topics?topicId=30373) |

**NAVY STTR**

|  |  |
| --- | --- |
| [N19A-T001](https://sbir.defensebusiness.org/topics?topicId=30319) | [Optimized Higher Power Microwave Sources](https://sbir.defensebusiness.org/topics?topicId=30319) |
| [N19A-T002](https://sbir.defensebusiness.org/topics?topicId=30337) | [Enhanced Sensor Resource Management Utilizing Bayesian Inference](https://sbir.defensebusiness.org/topics?topicId=30337) |
| [N19A-T003](https://sbir.defensebusiness.org/topics?topicId=30321) | [Innovations in Designing Damage Tolerant Rotorcraft Components by Interface Tailoring](https://sbir.defensebusiness.org/topics?topicId=30321) |
| [N19A-T004](https://sbir.defensebusiness.org/topics?topicId=30317) | [Process to Mitigate Catastrophic Optical Damage to Quantum Cascade Lasers](https://sbir.defensebusiness.org/topics?topicId=30317) |
| [N19A-T005](https://sbir.defensebusiness.org/topics?topicId=30325) | [Quantum Cascade Laser Array with Integral Wavelength Beam Combining](https://sbir.defensebusiness.org/topics?topicId=30325) |
| [N19A-T006](https://sbir.defensebusiness.org/topics?topicId=30334) | [Atomic Triaxial Magnetometer](https://sbir.defensebusiness.org/topics?topicId=30334) |
| [N19A-T007](https://sbir.defensebusiness.org/topics?topicId=30332) | [Power-Dense Electrical Rotating Machines for Propulsion and Power Generation](https://sbir.defensebusiness.org/topics?topicId=30332) |
| [N19A-T008](https://sbir.defensebusiness.org/topics?topicId=30336) | [Optical Emulator of Complex Electromagnetic Maneuverability (EM) Systems with Nanophotonics](https://sbir.defensebusiness.org/topics?topicId=30336) |
| [N19A-T009](https://sbir.defensebusiness.org/topics?topicId=30330) | [3-Band PicoSecond High Energy Compact (SWaP) Laser System for Marine Wave Boundary Layer Atmospheric Characterization Instrument Development](https://sbir.defensebusiness.org/topics?topicId=30330) |
| [N19A-T010](https://sbir.defensebusiness.org/topics?topicId=30324) | [Comprehensive Surf Zone Modeling Tool](https://sbir.defensebusiness.org/topics?topicId=30324) |
| [N19A-T011](https://sbir.defensebusiness.org/topics?topicId=30339) | [Remotely Operated Vehicle (ROV) Deployed Underwater Attachment](https://sbir.defensebusiness.org/topics?topicId=30339) |
| [N19A-T012](https://sbir.defensebusiness.org/topics?topicId=30329) | [Unified Logging Architecture for Performance and Cybersecurity Monitoring](https://sbir.defensebusiness.org/topics?topicId=30329) |
| [N19A-T013](https://sbir.defensebusiness.org/topics?topicId=30320) | [Advanced Power Density Improvements to Electrical Generation Systems](https://sbir.defensebusiness.org/topics?topicId=30320) |
| [N19A-T014](https://sbir.defensebusiness.org/topics?topicId=30327) | [Low-Cost, High-Density, Harsh Environment, Miniature Electrical Connector](https://sbir.defensebusiness.org/topics?topicId=30327) |
| [N19A-T015](https://sbir.defensebusiness.org/topics?topicId=30331) | [Marine Atmospheric Modeling, Data Collection, Visualization & Metrological Toolset for Submarine Electromagnetic (EM) Maneuverability](https://sbir.defensebusiness.org/topics?topicId=30331) |
| [N19A-T016](https://sbir.defensebusiness.org/topics?topicId=30323) | [Quench Monitoring and Control System for High-Temperature Superconducting Coils](https://sbir.defensebusiness.org/topics?topicId=30323) |
| [N19A-T017](https://sbir.defensebusiness.org/topics?topicId=30322) | [Predictive Graph Convolutional Networks](https://sbir.defensebusiness.org/topics?topicId=30322) |
| [N19A-T018](https://sbir.defensebusiness.org/topics?topicId=30335) | [FPGA Vulnerability Analysis Tools](https://sbir.defensebusiness.org/topics?topicId=30335) |
| [N19A-T019](https://sbir.defensebusiness.org/topics?topicId=30318) | [Unmanned Aerial System with Infinite Energy Scavenging](https://sbir.defensebusiness.org/topics?topicId=30318) |
| [N19A-T020](https://sbir.defensebusiness.org/topics?topicId=30333) | [Data Analytics and Machine Learning to Accelerate Materials Design and Processing Development](https://sbir.defensebusiness.org/topics?topicId=30333) |
| [N19A-T021](https://sbir.defensebusiness.org/topics?topicId=30326) | [Forensic Models of Cyberspace Behaviors](https://sbir.defensebusiness.org/topics?topicId=30326) |
| [N19A-T022](https://sbir.defensebusiness.org/topics?topicId=30338) | [Reduced Order Modeling (ROM) for UUV/USV Environmental Awareness](https://sbir.defensebusiness.org/topics?topicId=30338) |
| [N19A-T023](https://sbir.defensebusiness.org/topics?topicId=30328) | [Photonic-Integrated-Circuit Spectrometer](https://sbir.defensebusiness.org/topics?topicId=30328) |
| [N19A-T024](https://sbir.defensebusiness.org/topics?topicId=30340) | [Detection of Crowd Manipulation in Social Media](https://sbir.defensebusiness.org/topics?topicId=30340) |

**NGA (National Geospatial-Intelligence Agency) SBIR**

|  |  |
| --- | --- |
| [NGA191-001](https://sbir.defensebusiness.org/topics?topicId=29964) | [Unsupervised Techniques for SAR Imagery](https://sbir.defensebusiness.org/topics?topicId=29964) |
| [NGA191-002](https://sbir.defensebusiness.org/topics?topicId=29965) | [Crowd-Sourcing Statistical Study for Automated Video Quality Assessment Ground Truth](https://sbir.defensebusiness.org/topics?topicId=29965) |
| [NGA191-003](https://sbir.defensebusiness.org/topics?topicId=29966) | [Automated VNIIRS Assessment of Motion Imagery](https://sbir.defensebusiness.org/topics?topicId=29966) |
| [NGA191-004](https://sbir.defensebusiness.org/topics?topicId=29967) | [Improved still frames and denoised motion imagery from distressed full motion video (FMV)](https://sbir.defensebusiness.org/topics?topicId=29967) |
| [NGA191-005](https://sbir.defensebusiness.org/topics?topicId=29968) | [Collaborative Recommender System for Spatio-Temporal Intelligence Documents](https://sbir.defensebusiness.org/topics?topicId=29968) |
| [NGA191-006](https://sbir.defensebusiness.org/topics?topicId=29969) | [Automating the Semantic Labeling of Trajectory Data](https://sbir.defensebusiness.org/topics?topicId=29969) |
| [NGA191-007](https://sbir.defensebusiness.org/topics?topicId=29970) | [Improving Automation through Gamification](https://sbir.defensebusiness.org/topics?topicId=29970) |
| [NGA191-008](https://sbir.defensebusiness.org/topics?topicId=29971) | [Improved detection sensitivity, geolocation accuracy, and create novel GEOINT products for OTHR radar systems](https://sbir.defensebusiness.org/topics?topicId=29971) |
| [NGA191-009](https://sbir.defensebusiness.org/topics?topicId=29972) | [Automated object quantity estimation for Radar Imagery](https://sbir.defensebusiness.org/topics?topicId=29972) |
| [NGA191-010](https://sbir.defensebusiness.org/topics?topicId=29973) | [Innovative methods for detecting and characterizing electrical grid topologies and induced electrical power transient events from lights](https://sbir.defensebusiness.org/topics?topicId=29973) |
| [NGA191-011](https://sbir.defensebusiness.org/topics?topicId=29974) | [Multi-hop processing for OTHR range extension](https://sbir.defensebusiness.org/topics?topicId=29974) |

**OSD (Office of the Secretary of Defense) SBIR**

|  |  |
| --- | --- |
| [OSD191-001](https://sbir.defensebusiness.org/topics?topicId=30314) | [Artificial Intelligence Tool for Medical Coding and Documentation Improvement](https://sbir.defensebusiness.org/topics?topicId=30314) |

**SOCOM (U.S. Special Operations Command) SBIR**

|  |  |
| --- | --- |
| [SOCOM191-001](https://sbir.defensebusiness.org/topics?topicId=29987) | [Austere Environment Virtual Planning Tool](https://sbir.defensebusiness.org/topics?topicId=29987) |
| [SOCOM191-002](https://sbir.defensebusiness.org/topics?topicId=29988) | [Automated Synthetic Shortwave Infrared Image Creation From Near Wave Infrared and Electro Optical Imagery](https://sbir.defensebusiness.org/topics?topicId=29988) |
| [SOCOM191-003](https://sbir.defensebusiness.org/topics?topicId=29989) | [Low Profile Night Vision Goggle Mounting Solution](https://sbir.defensebusiness.org/topics?topicId=29989) |
| [SOCOM191-004](https://sbir.defensebusiness.org/topics?topicId=29990) | [Next Generation Graph](https://sbir.defensebusiness.org/topics?topicId=29990) |

**SOCOM (U.S. Special Operations Command) STTR**

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |
| --- | --- |
| [SOCOM19A-001](https://sbir.defensebusiness.org/topics?topicId=29991) | [Low Visibility Radio Frequency Resonator](https://sbir.defensebusiness.org/topics?topicId=29991) |

 |  |