

SON #	SON Title
RED-003	Tools & Methodologies to Enable Automation of Testing for Components of Cyber-Physical Systems
RED-004	Tools for Vulnerability Assessment of Cyber-Physical Systems
RED-005	Non-Internet Protocol (IP) Traffic Generation
RED-006	Controlled Reception Pattern Antennas (CRPA) Synthetic GPS Environment
RED-007	Pressure Sensitive Paint Camera
RED-008	Uncrewed Aerial Vehicle (UAV) to Underwater Sensor Communications
RED-009	Uncrewed Aerial Vehicle (UAV) to Underwater Sensor Communications
RED-010	T&E Technologies for Reusable Supersonic/Hypersonic Systems
RED-011	Hypersonic Optical Sensor HWIL Testing
RED-012	Next-Generation Arc Heater
RED-013	T&E Ground Test Capabilities and Correlation Methodologies to support Hypersonic Air-breathing, boost-glide & Interceptor Sys Development
RED-014	Independent Tracking of Hypersonic Flight Vehicles
RED-015	Range Surveillance and Clearance UAS Capability
RED-016	Test Selection Optimization for Large Operational Tests with Many AI-Enabled Systems
RED-017	Test and Evaluation Framework for Machine Learning
RED-018	Testing & Evaluating “Generative AI” (gAI) Models – DoD gAI Test Harness
RED-019	Enhance Tracking and Understanding of Field Testing with Many AI-Enabled Systems
RED-020	Provide Automated Test and Evaluation Tools for Identifying or Predicting Undesired Behavior by AI-Enabled Systems
RED-021	Providing Tactical Edge Data for Autonomous & AI Systems Testing within a Virtual Environment
RED-022	Provide Automated Test and Evaluation Tools for Identifying or Predicting Undesired Behavior by AI-Enabled Systems
RED-023	Data Collector Technologies Supporting Next Generation Battle Networks
RED-024	Mission Engineering for Joint and Combined Mission Threads Test and Evaluation
RED-025	Advanced Analytics for Testing Systems Implementing AI/ML for Mission C4I/C2
RED-026	High-Fidelity Modeling and Simulation for Representation of Systems, Communications, and Environments
RED-027	Atmospheric Absorption Coefficient Measurement
RED-028	Target Imagery with Active Adaptive Optics
RED-029	Aerosol Content Along Beam Path (Measurement & Modeling)
RED-030	High Fidelity Atmospheric Characterization Toolbox
RED-031	Advanced Threat Testing and Analysis Capability (ATTAC)
RED-032	Modernizing White Sands Missile Range’s (WSMR’s) Narrow Band Threat Sources (MN BTS)
RED-033	Free Flyer HPM Beam Data Acquisition System for ≥ 5 Gigahertz and ≥ 1500 Meters—Maritime (FFHM)
RED-034	X-Band High Power Microwave Chamber Source
RED-035	Moderate High Power Microwave (HPM) X-Band Source with High Pulse Repetition Frequency
RED-036	High Power Microwave Damage Assessment (HAD) Sensor for Testing of Integrated Air and Missile Defense (IAMD) Targets
RED-037	High Power Microwave (HPM) Instrumentation for Small Unmanned Aerial Vehicle (UAV) Target
RED-038	Gigahertz Transverse Electromagnetic Cell X-band Driver (GTEMX)
RED-039	Upper Ku-Band Test Source for Chamber (UKuBTSC)
RED-040	High Power Microwave (HPM) Hazards of Electromagnetic Radiation to Explosives Instrumentation
RED-041	Distributed Aperture Controls Base Station (DACBS)
RED-042	X-Band Source for Ship Hazard of Electromagnetic Radiation to Ordnance (HERO) Testing
RED-043	Low Jitter Switches to support a Transportable High Altitude Nuclear Electromagnetic Pulse Test Capability (LJSHEMP)
RED-044	Vertical Electro-Magnetic Pulse System Upgrade (VEMPSU)
RED-045	Data Acquisition and Processing System (DAS) to Support the Navy’s Future Low-Level Continuous Wave Illumination (LLCWI) Ship Demonstration
RED-046	Linear Bi-directional Power Amplifier for 5G Cellular Telemetry

RED-047	Virtually Instantiated Mission Environment (VIME)
RED-048	Multi-Flare Projector Sub-System
RED-049	Combat Systems Hardware in the Loop
RED-050	Clutter Enhancement Capability for Hardware-in-the-Loop (HITL) Test and Evaluation of Missile Warning Systems
RED-051	Advanced Sensor Test Capability/Cryo Rate Large Aperture Zoom Collimator
RED-052	Two-Color Infrared Scene Projector
RED-053	Fifth Generation Advanced Active Electronically-Scanned Array (AESA) Aperture (AAA) Technology
RED-054	Real-Time, High-Fidelity Radio Frequency (RF) Scene Generation
RED-055	Cognitive Leading-edge Electronic Attack (CogLEA) Prototype
RED-056	Closed-loop, High-power Active-electronically-scanned-array C-band (CHAC)
RED-058	Threat Environment Software-Defined Apertures (TESA)
RED-059	Artificial Intelligence (AI)-Enabled Rapid Electronic Warfare (EW) Model Development
RED-060	Evaluation of Cognitive Electronic Warfare (EW) Characterization
RED-061	X-band Solid-state Transmitter (XSTX)
RED-062	Advanced Triad Antenna Module (ATAM)
RED-063	Predictive Chaff Model (PCM)
RED-064	Exquisite Information for Modeling and Simulation
RED-066	Open-Air Edge Identification of Electromagnetic Spectrum (EMS) Events
RED-068	Expandable Active Decoy Model (EADM)
RED-070	5th Gen Synthetic Friendly and Foe Inject to Multi-Domain Live and Constructive Participants