Driving Speed to Fleet

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Together with our partners, CACI brings the most experience, technical depth, and program excellence to the U.S. Navy's Spectral mission. Backed by decades of mission-proven signals intelligence (SIGINT) experience, our subject matter experts (SMEs) advance "speed to fleet" by developing innovative new technology for the Navy's multi-domain battlefield.

Our Spectral solution brings together best in class SIGINT, electronic warfare (EW), and cyber capabilities informed by extensive mission expertise to achieve the Navy's key program objectives. CACI uses world-class Agile software development and DevSecOps to provide critical warfighting capabilities at the speed of need. CACI's system design provides the government with industry best practices in microservices, big data analytics, and system resilience to provide maximum capability, flexibility, maintainability, and upgradability with the lowest overall life cycle costs.

While CACI has teamed with industry leaders BAE Systems, Dell Technologies, Northrop Grumman, Raytheon Technologies, and Sierra Nevada Corporation to bring unmatched capabilities in support of the U.S. Navy's Spectral mission, CACI itself brings several critical technologies to bear on the broader EW and cyber mission set.

Award-Winning C-UAS Technology Reliably Detects, Identifies, and Defeats Threats

CACI is an industry leader in developing, deploying, and integrating sophisticated counter-small unmanned aircraft system (C-sUAS) technologies. The globally deployed CORIAN® and X-MADIS by Ascent Vision Technologies (AVT), a CACI Company, have been selected by the Department of Defense's Joint C-sUAS Office for future development. These unique solutions feature multiple form factors to detect, identify, track, and mitigate sUAS and their operators. These interoperable systems also integrate with multi-INT sensors as well with as kinetic fires. CACI's C-sUAS form factors and capabilities include:

- **BEAM 3.0 (M-BEAM)** – A low size, weight, and power (SWaP) manpackable advanced electronic attack (EA) system ideal for helping counter complex sUAS and associated communications.

- **CORIAN Fixed Site, Dismount, and Mobile C-UAS Technology** – CACI's modular, scalable, and interoperable counter-drone system of systems designed to protect against UAS threats across a broad range of operating environments.

- **CORIAN Tactical (CORIAN-T)** – A specialized fixed facility and on-the-move CORIAN capability, CORIAN-T's scalable fixed/mobile configuration, low SWaP, and precise mitigation techniques enable effective C-sUAS operations from urban areas to austere locations.

- **Spectral Sieve EW/ISR Payload** – CACI's leading passive direction-finding/geolocation capability for tactical UAS and ground-based applications. A real-time, multi-function, multi-mission system, Spectral Sieve delivers precise ISR to small operating units.

- **X-MADIS** – A field-proven C-sUAS capability, the eXpeditionary Mobile Air Defense Integrated System (X-MADIS) is a portable full-spectrum capability that detects, locates, tracks, identifies, and defeats single or multiple SUAS threats and provides reliable protection against Group 1-3 UAS.

AVT Gyro-Stabilized Imaging Systems

AVT designs and manufactures multi-sensor, gyro-stabilized imaging systems for airborne, ground, and maritime applications that deliver superior daylight and thermal imagery for optimal situational awareness.

- **CM62 Micro Gimbal** – The CM62 Micro Gimbal is a long-range, lightweight electro-optical (EO)/infrared (IR) imaging system.

- **CM142 Multi-Sensor Gyro-Stabilized System** – The CM142 is a lightweight gyro-stabilized imaging system that provides operators with long-range ISR capabilities ideal for long-endurance UAS operations.

- **CM202A Aerial ISR and Target Acquisition** – The CM202A is a high-performance, low SWaP multi-sensor imaging system suited for aerial ISR and target acquisition operations.

- **CM234 Tactical UAS Payload** – The CM234 combines seven sensor configurations in a compact, man-portable, gyro-stabilized imaging system that is ideal for a range of tactical UAS missions.

- **CM262M Marinized Surveillance System** – The CM262M is designed for ISR and maritime C-UAS operations, combining four sensor configurations in a compact portable and ruggedized system.

Electronic Warfare Dominance Across All Domains

Today's threats require agile and flexible EW capabilities that evolve at the pace of mission. CACI delivers precision EW technology against adversary electromagnetic spectrum (EMS)-dependent systems. Our software-defined solutions are open, modular, and scalable, ensuring dominance across all domains. We provide innovative systems that employ artificial intelligence (AI) and machine learning techniques to speed detection, identification, decision-making, and mitigation while reducing operator demands. We offer a range of world class technical security solutions for EW and EMS operations support, designed to help customers improve communications, protect intellectual property, secure information, and increase mission effectiveness.

- **Spectrum Guard Elite** – Spectrum Guard Elite combines hardware and software into a ruggedized, small, and lightweight portable radio frequency (RF) detection and monitoring system.

- **Spectrum Guard Pro Radio Frequency (RF) Detection and Monitoring System** – For use by security professionals, Spectrum Guard Pro is an easy-to-use RF signals collection and analysis capability that supports static or mobile operations.

- **Network Guard Rogue Cellular Base Station Detection** – Network Guard is a robust capability that detects and combats cellular network monitoring and interception.

- **Power Line Antenna II** – The Power Line Antenna II offers unmatched performance, user flexibility, and an extremely wide frequency range to address carrier current device and power line and conductor infrastructure threats.

- **BEAM™** – BEAM is a compact man-packable advanced electronic attack system capable of defeating sUAS and other targets in a coordinated fashion and can scale to operate in a cluster or autonomously.

Space Systems and Technology

CACI delivers technology and support to launch, operate, and exploit systems in the space domain. Our unique solutions provide enhanced space situational awareness and decision support tools, allowing for more time and better options to protect the contested space domain. We lead large-scale software/platform modernization and rapid prototyping of tools and applications, and our deep learning algorithms are integrated into data fusion, visualization, and analysis tools for real-time situational awareness. Our capabilities include:

- **CICADA™** – Free-Space Optical Laser Communications – CACI's CICADA free-space optical laser technologies are improving the speed, efficiency, reliability, and security of high-performance terrestrial, airborne, and space communications.

- **Precision Positioning, Navigation, and Timing (PNT) Multi-Mission Payload –** Sustained, secure, precise positioning, navigation, and timing in GPS-denied environments.

Remote Support Kit

CACI's extended reality (XR) technologies and cutting-edge collaboration solutions are redefining how modern military units train, maintain, and support operations – and enable subject matter support around the world. Our Remote Support Kit (RSK) offers industry-leading augmented reality (AR) expertise and state-of-the-art technology that provides secure, real-time, high-bandwidth communication to enable any kind of expert support around the world. With RSK, technical assistance can "see" the problem through the eyes of the user and rapidly resolve maintenance and sustainment challenges in less time.

Digital Solutions

CACI transforms how government does business. Using our Agile-at-scale methodologies and deep customer understanding, we modernize applications, infrastructure, and business processes to enhance

performance and increase end-user satisfaction. We use advanced data analytics and visualization tools to modernize access to data, enhance productivity, and translate data into decisions. Our solutions include:

- **Agile Solution Factory (ASF)** – CACI's Agile Solution Factory (ASF) optimizes Agile software development, delivering the benefits of Agile at an enterprise scale.

- **AI** – CACI applies AI and machine learning (ML) expertise and technology to accelerate mission productivity and effectiveness. We use AI to rapidly analyze and translate data into decisions to maximize efficiencies.

- **Artemis™** – The next evolution of data analytics, Artemis is your single source to hunt for your needle in the needlestack.

- **Modular Multi-Object Tracking System for Video** – CACI's modular, multi-object tracking system uses AI to identify and track objects such as vehicles and persons of interest, using an integrated deep learning-based neural network system capable of real-time detection in complex environments.

- **Robotic Process Automation (RPA)** – CACI experts redefine and elevate the efficiencies customers can bring to their enterprise and mission using RPA technology. RPA helps identify and automate routing tasks to elevate the way your workforce works.

Model-Driven Design and Implementation (MDDI) Fosters System-of-Systems Interoperability

MDDI, CACI's model-based systems engineering method for systems engineering (SE), delivers dynamic digital engineering, prototyping, on-demand analysis, and verification. MDDI enables collaborative, distributed SE lifecycle execution that is integrated with a living digital modeling environment – helping to reduce risk, accommodate automatic impact analysis, and enabling more affordable and efficient capability delivery.