



Position Description

Adaptive Experimentation Force – UAS SME (1099)

The Civil-Military Innovation Institute (CMI2) seeks a highly experienced uncrewed aerial system (UAS) Subject Matter Expert (SME) contractor to support the Adaptive Experimentation Force (AEForce). The AEForce UAS SME Will provide remote pilot services, operational support, and training expertise for experimentation exercises, technology demonstrations, and related events conducted by AEForce.

CMI2 is a 501(c)(3) non-profit entity that supports the US Department of War (DOW) activities to build a civil-military innovation workforce optimized to advance national security technologies, as well as align the work of innovators from universities and non-traditional technology companies with the activities of the DOW and public safety communities.

The AEForce UAS SME is a 1099 contractor position and will be engaged on an as-needed basis to support the planning, development, execution, observation, and assessment of live-force and technology-enabled experimentation exercises, training events, demonstrations, and related activities.

The ideal contractor possesses extensive UAS operations experience, understands contemporary and emerging operational environments, and can effectively contribute to training and experimentation activities involving military personnel, government stakeholders, industry partners, researchers, and technology developers.

Scope of Services

The UAS SME shall provide professional services that may include, but are not limited to:

UAS Operations and Experimentation Support

- Pilot and operate UAS platforms as an FAA Part 107 Certified Remote Pilot in support of experimentation and technology assessments.
- Support the integration, employment, and evaluation of UAS and related technologies during experimentation activities.
- Provide subject matter expertise regarding UAS capabilities, limitations, operational considerations, and emerging trends.

Training and Exercise Development

- Develop and support training exercise plans incorporating UAS operations and emerging technologies.
- Design, establish, and support training lanes that integrate UAS capabilities into realistic operational scenarios.
- Provide subject matter expertise and operational support to both "Red" and "Blue" force elements during live-force experimentation exercises.
- Assist in the development of realistic operational scenarios that evaluate UAS-enabled tactics and capabilities.

Research and Analysis

- Conduct research and analysis of emerging UAS, autonomous, and related technologies relevant to military, public safety, homeland security, and commercial applications.
- Conduct research and analysis of emerging tactics, techniques, and procedures (TTPs) related to UAS employment, counter-UAS operations, and technology integration.
- Provide recommendations regarding future experimentation efforts, capability development, and operational applications.

Data Collection and Assessment

- Serve as an Observer and Data Collector during experimentation exercises and operational assessments.
- Document observations, operational outcomes, technology performance, and lessons learned.
- Facilitate After Action Reviews (AARs) and provide professional feedback, findings, and recommendations to support continuous improvement and future experimentation activities.

Minimum Qualifications

- FAA Part 107 Remote Pilot Certificate in good standing.

- Demonstrated experience operating Unmanned Aircraft Systems (UAS) in training, operational, public safety, military, commercial, or research environments.
- Knowledge of UAS flight operations, airspace management, risk mitigation, and flight safety procedures.
- Familiarity with current and emerging UAS technologies, payloads, sensors, and related systems.
- Understanding of UAS tactics, techniques, and procedures (TTPs) and their application in operational environments.
- Ability to work independently with minimal supervision in dynamic field environments and support extended outdoor operations in varying weather and terrain conditions.
- Ability to travel domestically and internationally as required to support experimentation events, demonstrations, and training activities.

Preferred Qualifications

- Experience working with government agencies, defense industry partners, research organizations, or academic institutions.
- Active U.S. security clearance or ability to obtain one.

Additional Requirements

- U.S. Citizenship required.
- Travel required.

Independent Contractor Relationship

The AEFoerces UAS SME provides services as an independent contractor and is not an employee, partner, joint venturer, or agent of CMI2.

As an independent contractor, the AEFoerces Tactical SME is not eligible for employee benefits, including health insurance, retirement plans, workers' compensation, unemployment insurance, paid leave, or any other benefits offered to CMI2 employees.

The AEFoerces Tactical SME is responsible for all federal, state, and local taxes related to compensation received under this agreement, including income, self-employment, Social Security, and Medicare taxes.

The AEFoer Tactical SME is also responsible for maintaining any licenses, certifications, permits, insurance, and professional qualifications required to perform the services. Unless CMI2 specifically provides support for a particular event or activity, the AEFoer Tactical SME is responsible for supplying and maintaining all equipment, tools, transportation, communication devices, and other resources needed to perform the work.

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