

Information Briefing



The Army Expeditionary Warrior Experiments Campaign of Experimentation (AEWE) is TRADOC's annual, live, force-on-force prototype experiment.

- Places technologies into the hands of Soldiers for early and credible feedback from the end-user.
- Provides an opportunity to apply lessons learned and validate changes in design.
- Informs future concepts, organizations and requirements.



- AEWE is an unclassified experiment. Classified technologies will not be accepted.
- All costs of preparing, submitting and presenting submissions for the experiment are solely those of the submitter.
- All costs associated with participating in the experiment to include travel, shipping, technical training costs, technical integration costs, technology maintenance and sustainment costs are the responsibility of the submitter.
- Selected technologies must sign a Vendor Demonstration Agreement (VDA) in order to participate in the experiment. The VDA is an agreement with the vendor and U.S. Government that states the following:
 1. **Participating in experiment in any way does NOT obligate the U.S. Government to purchase or otherwise acquire the items or services demonstrated or displayed.**
 2. U.S. Government assumes NO cost or obligation, expressed or implied, for damage to, destruction of, or loss of any vendor provided equipment or material used in the experiment.
 3. The U.S. government is NOT responsible for any lodging, transportation or meals and incidental expenses incurred by technology providers during the experiment.
 4. U.S. Government is NOT bound nor obligated in any way to give any special consideration to the vendor on future contracts as a result of this experiment.
 5. Display of vendor's product, its capabilities, and the presentation of any technical data associated with it may involve the participation of foreign military personnel assigned as liaisons to the U.S. Army and other components of the Department of Defense (DoD), as well as personnel of U.S. coalition partners. Such displays and disclosures may be considered an "export" of technical data under the International Traffic in Arms Regulations (ITAR), 22 CFR Chapter I, Subchapter M.

AMERICAN INDUSTRY



- 47 Technologies
- Situational Understanding, Small Unit Sustainment, Small Unit Mission Command, Enhanced Air-Ground Operations, Improved Protection & Mobility, Small Unit Training

CERDEC

- Network
- Soldier Power



ATEC AEC



- Data Collection
- Analysis
- Initial Insights
- Final Report
- Safety Releases

RDECOM

- Program Oversight



PM SWAR



- Nett Warrior

ARCIC



- Guidance
- Staff Coord
- TRADOC Taskings
- Tech Selection
- WCBF Support

JS J6



- Bold Quest Demonstration

Cyber CoE



- Network Design
- Network Accreditation
- Network Operations SME
- Frequency/Spectrum
- Lead Technical Integrator

USAICoE



- Intelligence SME
- Intelligence Products Support
- COIST Support

FCoE



- Precision Fires Concept
- MAFIA
- Fire Support SME
- FIRESIM, AFATDS
- Fire Support Personnel

TRADOC G2/27 (TEFOR)

- Scenario
- OPFOR Mission Sets
- OPFOR C2



PM UAS

- UAS Support



USAACE

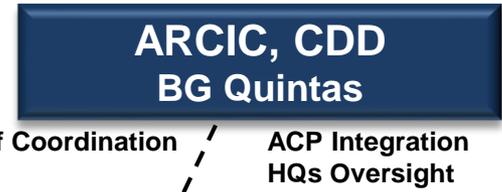
- Aircraft Support
- Air-Ground Operations



ARL-STTC

- Training Simulation





CG - Experiment Director
 CDID - Guidance/Oversight
 MBL - Executive Agent

MCoE Support:
 --EXFOR
 --Land/Ranges/Airspace
 --Equipment & Facility Support
 --Constructive and Virtual Simulation
 --Personnel Augmentation

Key Supporting Efforts



- Data Collection and Analysis
- Operational Insights, Findings, Recommendations
- Army Safety Releases



- Network Design and Engineering
- Frequency/Spectrum Approvals
- Network Accreditation
- Lead Technical Integrator



- Scenarios/Mission Orders
- Higher Echelon Staff/White Cell Support
- Threat Certification,
- Mission Command

1. How do we improve the small unit's ability to develop and sustain a high degree of situational understanding while operating in complex environments? (AWfC 1)

- Micro/Nano UAS
- Thermal/IR imagers
- Conventional optics
- Sensors
- Network Capability & Capacity Increases
- Joint-SOF-CF Integration & Interoperable Solutions

2. How can we improve small unit sustainment to maintain freedom of movement and action during sustained and high tempo operations at the end of extended lines of communication in austere environments? (AWfC 16)

- Expeditionary sustainment
- Autonomous resupply
- Power solutions
- On site supply generation
- Soldier Load Reductions thru weight reduction and miniaturization
- Joint-SOF-CF Integrated/Interoperable Sustainment Programs/Solutions

3. How can we facilitate effective command post operations, information gathering and intelligence fusion at the company level? (AWfC 1)

- Mission command
- Communications
- Intelligence fusion and dissemination via an evolved or improved network
- Mobility
- Lethal and non-lethal targeting
- Network Capability & Capacity Increases

4. How can we enhance air-ground operations to conduct forcible entry and transition rapidly to offensive operations to ensure access, seize the initiative and defeat the enemy in close combat? (AWfC 11, 12, 13, 15)

- Voice/data communications
- Lethality
- Mobility: Solutions that are integrated from Tactical mobility to Operational to Strategic-level mobility
- SOF/Conventional forces integration
- TeleMed

5. How can we improve protection and mobility at the Soldier and small unit level in a way that contributes to operational maneuverability with improved survivability? (AWfC 12, 13,15)

- Protective equipment
- Load carrying equipment
- Ultra lightweight combat vehicles
- Light reconnaissance vehicles
- Lightweight, reliable Soldier and Vehicle Sensors and Devices
- DOTLPF solutions

