



ARMY EXPEDITIONARY WARRIOR EXPERIMENT (AEWE) 2020

SUBMITTER'S GUIDE



EXPERIMENT TIMELINE

1. 01 November 2018: Technology submissions due.
2. 05 November - 14 December 2018: Technology submissions review.
3. O/A 11 January 2019: Technology selections announced.
4. April 2019 – February 2020: Assessment Plan Development.
5. November 2019 – February 2020: Network Integration and EXFOR Technical Training.
6. November 2019 – January 2020: Live Fire and Excursions.
7. March 2020: Live Force-on-Force Event.
8. March – July 2020: Deliverable Products Development.

EXPERIMENT OVERVIEW

AEWE 2020 will have three potential venues for AEWE to assess your technology. The AEWE Team will determine the best venue for your technology based on system attributes. Selected technologies fall under three types of AEWE experiments conducted:

- 1) **Live Fire.** Live fire range for weapons, lasers and explosives. AEWE uses this venue for technologies that are weapons, Class III or higher lasers, and explosives. These events in AEWE are typically one to three day events.
- 2) **Force-on-Force.** Army tactical maneuver operations, such as attack and defend missions against an opposing force using the Multiple Integrated Laser Engagement System (MILES). This venue is approximately 50 days long including training and data collection events.
- 3) **Excursion.** A short assessment focused on your technology. AEWE uses this venue when the technology would not likely be used during the tactical missions. Examples are water purification and engineer obstacle reduction systems. Excursions are typically one to three days in duration.

Do you have a preference to where your technology would be best suited for? If not the AEWE Team will make a recommendation. Please indicate your preference in the White Paper submission document.

The AEWE Sponsoring Centers of Excellence (CoE) are responsible for providing any additional Military Occupational Specialty (MOS) requirements other than 11B

(Infantryman). Participation of other elements, such as a scout platoon or allied forces cannot be guaranteed on an annual basis.

Historically, AEWE maneuvers have been a mix of mounted and dismounted operations but there is no dedicated vehicle set for AEWE. Vehicles are requested on an annual basis depending on the existing experiment requirements.

The AEWE tactical network for voice and data communication is unclassified.

GENERAL GUIDELINES

AEWE is an unclassified experiment. Classified technologies will not be accepted.

All costs of preparing, submitting, and presenting technology submissions for the experiment are solely those of the submitter.

Technology vendors will receive a capabilities and limitations report on their technology only.

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.

All participating technologies must obtain an Army Test and Evaluation Center (ATEC) safety release specific to AEWE 2020 at their own cost to participate in the experiment.

All participating aircraft must obtain an Air Worthiness Release for AEWE 2020 IAW Army Regulation 70-62, Air Worthiness Qualification of Aircraft Systems. Until technologies are otherwise notified, the government will pay for the cost of the Air Worthiness Release.

Selected technologies must sign a Vendor Demonstration Agreement (VDA) in order to participate in the experiment. The VDA is an agreement between 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 government is NOT responsible for any lodging, transportation, and 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.

Selected technologies will be required to participate in three planning conferences in order to complete pre-experimentation planning and administration requirements.

Initial Planning Conference (IPC): 23 - 25 April 2019 at Fort Benning, GA
Mid Planning Conference (MPC): 27 - 29 August 2019 at Fort Benning, GA
Final Planning Conference (FPC): 03 - 04 December 2019 at Fort Benning, GA

Selected technologies will be required to provide New Equipment Training (NET) to Soldiers who will employ their technology during the experiment. Training will be conducted from November 2019 to February 2020 at Fort Benning, GA. Training slots will be scheduled during the Mid Planning Conference (MPC), 27 – 29 August 2019, based on technology provider input. Required resources (time, classroom facilities, ranges, etc.) for training must be requested NLT 28 June 2019.

Selected technologies to be integrated with other systems or the AEWE network will be required to conduct the integration necessary to employ their technology during the experiment. Technology integration will take place from November 2019 to February 2020 at Fort Benning, GA.

The AEWE Team will design the experiment and write a report on the results. The AEWE Team will design the experiment based on input from you and government subject matter experts. The design will place your technology into the hands of Soldiers in a live, operationally relevant context using military tactical scenarios. We do not require assistance from any outside agency or academic institution that you may be partnering with. If there is some extenuating circumstance that requires collaboration or oversight for your technology, please bring that to our attention in your White Paper submission.

SUBMISSION INSTRUCTIONS

Submissions are due no later than 01 November 2018 and must be emailed to: usarmy.benning.tradoc.mbx.mbl-expeditionary-warrior-experiments@mail.mil.

Please allow a minimum of three business days for submission processing. All submissions will be acknowledged to the submitter's email address. Submitters will be notified of any errors in their submission and will be given five business days to resubmit. All correspondence pertaining to the technology selection process will be sent to the original submitter's email address unless a change is requested by the vendor.

Submissions must include the following documents:

1. The Quad Chart is prepared using the approved AEWE 2020 template in Microsoft (MS) PowerPoint. Do not submit in PDF.
2. The White Paper is prepared using the approved AEWE 2020 template in MS Word. The White Paper should not exceed seven total pages including cover sheet. Do not submit in PDF.

Document file names must be named in the following format:

Technology Name_Document_Date. Example: TechName_WhitePaper_01OCT18 or TechName_QuadChart_01OCT18.

Due to the large number of technologies in the experiment, the AEWE Team coordinates with one primary Point of Contact (POC) per technology. The Quad Chart and the White Paper must list the same POC. This POC should be someone who can answer technical questions about the technology and be authorized to make commitments on behalf of the technology's organization. Should a change to your POC occur at any time during the experiment, you must notify the AEWE Team and submit a new Quad Chart and White Paper.

NO PDF DOCUMENTS WILL BE ACCEPTED. Documents submitted in PDF or any format other than MS Word (White Paper) and MS PowerPoint (Quad Chart) will result in submission rejection.

NO CHANGES TO THE AEWE TEMPLATES ARE ALLOWED (font type, font color, font size, bold text, italic text, template margins or other changes). Submission documents not in accordance with the AEWE templates will result in submission rejection.

NO PROPRIETARY INFORMATION WILL BE ACCEPTED. All submission documents must be approved for public release and no documents with proprietary markings of any kind will be accepted. Documents with proprietary markings will result in submission rejection.

NO CLASSIFIED INFORMATION WILL BE ACCEPTED. All submission documents must be unclassified and approved for public release.

Submission of additional information such as brochures or other technology material is not allowed and will not be considered as part of your submission.

SELECTION CRITERIA

1. **Experiment Focus Relevance.** Which experiment focus area does the technology address? List the experiment focus area this technology is aligned with and elaborate on how this technology addresses that objective. Refer to the focus areas listed in the Technology Call Memorandum.
2. **Military Problem Relevance.** What is the military problem this capability addresses?
3. **Technology Readiness Level (TRL).** What is the current TRL level of the technology? Is the technology mature enough to assess in an operational environment?
4. **Domain Knowledge.** Does the vendor have the resident knowledge to address the experiment objective and support the integration and participation of the technology in the experiment?
5. **Availability.** How many systems can the vendor provide and what is the proposed employment level (individual Soldier, squad, platoon, or company)? Is the technology available in sufficient numbers to support the experiment? For example, if the technology is proposed to be implemented at the squad level, can the vendor provide enough units to equip an entire squad?
6. **Nett Warrior Future Initiatives Integration.** Is this technology currently integrated with Nett Warrior, or does the vendor desire to be integrated with Nett Warrior?
7. **Network Integration.** Is this a network integrated technology? What frequency does the technology operate on? What waveforms is the technology compatible with? Is the vendor willing to integrate with the network or other technologies (if applicable)?
8. **Trainability.** How long does it take to train Soldiers to proficiency on the technology and what resources does training require?
9. **Past Performance.** Does the technology provider have a good record of performance in the Science and Technology community or in AEWE?

SELECTION TIMELINE

01 NOV 2018: Technology submissions due.

05 NOV – 14 DEC 2018: Technology submissions review.

O/A 11 JAN 2019: Technology selections announced.

LATE SUBMISSION TIMELINE

The AEWE Team will review submissions received after the 01 Nov 2018 deadline on a case by case basis. If a government agency is willing to sponsor a late submission we will make every effort to fit it into the current year experiments, however, missing milestones such as the Initial, Mid, and Final Planning Conferences may complicate the planning process. The submission process is the same.

SELECTION PROCESS

The AEWE Team will review your submission against the experiment objectives and selection criteria. If you have questions, comments, or concerns regarding your technology submission, send them to the AEWE Team technology selection Point of Contact (POC) Janet Sokolowski, at janet.sokolowski.ctr@mail.mil or (706) 545-6036.

The AEWE Team may reach out to the Point of Contact (POC) on your submission Quad Chart to discuss your technology. It is important that the POC listed is familiar with the characteristics of the technology and be able to answer questions about the capabilities of the system.

Technology selections will be announced via email once the selection list has been approved by the government O/A 11 January 2019.

The Point of Contact (POC) for all technology submissions and questions pertaining to the selection process is Mrs. Janet Sokolowski at janet.sokolowski.ctr@mail.mil or (706) 545-6036.

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