MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Army Expeditionary Warrior Experiments (AEWE) 2021 Technology Call

1. References:
   
   a. Army Future Command (AFC) IMPLEMENTATION OPORD 002-19
   
   b. TRADOC Pamphlet 525-3-1, Concept Development and Learning Directorate, Army Capabilities Integration Center, The U.S. Army in Multi-Domain Operations 2028, 06 December 2018.
   
   

2. In accordance with the ALPA FY2020/21/22 Planning Guidance, the Maneuver Center of Excellence (MCoE) will host Army Expeditionary Warrior Experiments (AEWE) 2021 to examine capabilities and concepts designed to address solutions for cross-domain maneuver at the small tactical unit level (company and below).

3. Background. Defeating capable enemies in the future requires Army maneuver forces to expand the concept of combined arms to include employing capabilities in all five domains – land, air, cyberspace, space, and maritime. Army Futures Command (AFC) seeks government, industry, and academia that are interested in demonstrating focus area solutions that address experiment objectives and focus areas to inform capability development requirements for Multi-Domain Operations (MDO), Organizational and Operational (O&O) Concepts, and Cross Functional Team (CFT) priorities. Cross-domain maneuver is the employment of mutually supporting lethal and nonlethal capabilities in multiple domains to create a synergistic effect that increases relative combat power and provides Army maneuver forces with the overmatch necessary to destroy or defeat enemy forces. Army Expeditionary Warrior Experiments (AEWE) is the largest JMC live prototype assessment that provides an opportunity for industry partners to assist the Army in improving combat capabilities. The purpose of AEWE is to examine enabling capabilities with potential improvements to Future Force capabilities. AEWE is one of four ALE venues executed annually to examine concepts and emerging solutions/technologies to inform capability development efforts by validating concepts and determining their doctrine, organization, training, materiel, leadership and education, personnel, and facilities (DOTMLPF) impacts. AEWE 2021 will examine new concepts
and prototype technologies to enhance Soldier and small unit capabilities. To sustain the deploy, fight, and win Army Mission, the Future Force must assess current equipment shortfalls, and also transform, regenerate, and leverage industry resources. Through AEWE 2021, industry partners can accelerate and reduce cost in prototype development, while also collaborating with Soldiers, engineers, and Army analysts.

4. The Army Expeditionary Warrior Experiments (AEWE) campaign of experimentation follows the JMC ALPA guidance. ALPA provides a centralized management process for Army live prototype assessments, verifying data and recommendations generated from those assessments in order to identify specific capabilities that inform interim solutions to capability requirements, aligned to one of the Army’s Six (6) Modernization Priorities, aligned to one of the 31 Cross Functional Team (CFT) Lines of Effort, Brigade Combat Team (BCT) Operational and Organizational (O & O) Concepts development, and progression towards achieve a MDO Capable Force by 2028.

5. Timeline. The milestones for AEWE 2021 are outlined below.

a. 18 October - 18 November 2019: Technology Call on Social Media
b. 18 November 2019: Technology submissions due
c. 22 November - 20 December 2019: Technology submissions review
d. O/A 31 January 2020: Technology selections announced
e. April 2020 - February 2021: Assessment Plan Development
f. November 2020 - February 2021: Network Integration and EXFOR Training
g. November 2020 - January 2021: Live Fire and Excursions
h. March 2021: Live Force-on-Force Event
i. March - July 2021: Deliverable Products Development

6. Experiment Focus Areas. The overarching focus of AEWE 2021 is to enable small tactical units to achieve overmatch against enemy forces in close combat. See Enclosure 1 for more information regarding capability experiment focus areas.


a. All proposals must be submitted electronically to

usarmy.benning.tradoc.mbx.mbl-

expeditionary-warrior-experiments@mail.mil NLT 18 November 2019. See Enclosure 2-5 for detailed instructions on how to submit a technology proposal.

b. Selected technologies will be assigned to a proponent Center of Excellence (CoE) or other Department of Defense organization for sponsorship. Sponsors are responsible for developing basic experiment study objectives for technologies and are responsible for executing the Experiment-to-Action Recommendations (ETAR) at the conclusion of the experiment.

c. Candidate technology participation must be funded by the proposing organization (government or industry). Technology providers will pay all costs associated with
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developing, transporting, training, and sustaining selected technologies during the experiment period.

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

8. The point of contact for this memorandum is Mr. Michael Riha, Joint Modernization Command Forward, at (757) 501-5944 or michael.d.riha.civ@mail.mil.

5 Encls
1. Experiment Focus Areas
2. Submitter’s Guide
3. Quad Chart Template
4. White Paper Template
5. Experiment Timeline

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