



REPLY TO  
ATTENTION OF

**DEPARTMENT OF THE ARMY**  
HEADQUARTERS, UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND  
ARMY CAPABILITIES INTEGRATION CENTER  
950 JEFFERSON AVENUE  
FORT EUSTIS, VIRGINIA 23604-5761

S: 15 October 2015

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MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Army Expeditionary Warrior Experiments (AEWE) 2017 Technology Call

1. References:

- a. TRADOC Regulation 71-20 Concept Development, Capabilities Determination, and Capabilities Integration, 28 June 2013
- b. TRADOC Pam 525-3-0, The Army Capstone Concept, 19 December 2012.
- c. TRADOC Pam 525-3-1, The U.S. Army Operating Concept: Win in a Complex World, 31 October 2014.
- d. The United States Army Movement and Maneuver Concept 2016-2028, 13 October 2012.
- e. ARCIC FY15 Experiment Guidance, 23 September 2014.
- f. Force 2025 Directive, August 2015 .
- g. Army Equipment Modernization Strategy, March 2015.
- h. 2014 Army Equipment Modernization Plan, 17 May 2013.
- i. CARD AEWE Objectives Crosswalk with CNA Gaps/Tasks/Solutions/Ideas, August 2015

2. Background. The AEWE campaign of experimentation follows the Chief of Staff of the Army's guidance to use a bottom up approach to modernization. The Army of 2025 must be prepared for the full range of military operations from sustained combat operations to small-scale humanitarian assistance operations. The Army in 2025 will be smaller, more agile, more expeditionary, and with greater lethality, enabled by technology. The AEWE campaign is an essential enabler of that pursuit. The Army is shifting its focus from near term solutions to the mid and far term in order to maximize the Force 2025 effort and shape technology investment. AEWE provides an annual venue with close linkages to Army science and technology (S&T), industry, academia,

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and other architects of S&T futures. AEWE is the Army venue central to that collective effort and essential to the Force 2025 vision.

3. Purpose. AEWE serves the critical and collaborative needs of the Army, capability developers, the science and technology community, industry, and the Army's many partners. TRADOC sponsors AEWE for the following critical purposes:

a. Provide a credible and repetitive operational venue to experiment with small unit concepts and capabilities, to examine emerging technologies of promise and to accelerate capabilities development in order to enable the Force 2025 effort.

b. Support, inform, and underpin efforts that enhance the force effectiveness of the small unit such as the Precision Fires Concept and the Squad: Foundation of the Decisive Force. AEWE challenges current thoughts and constructs and is chartered to look outside Programs of Record.

c. Enable TRADOC organizations and Army's Science and Technology (S&T) Community to get technology into the hands of Soldiers earlier and more frequently. Provide immediate Soldier feedback and DOTMLPF-focused, operational insights to develop or refine capabilities and to set the conditions for program evaluations and transition decisions.

d. Directly support organizations such as the Asymmetric Warfare Group (AWG), Rapid Equipping Force (REF), and the Joint IED Defeat Organization (JIEDDO) to evaluate solutions and to develop tactics, techniques, and procedures for employing these solutions in response to deployed units' operational problems.

e. Provide the Army acquisition community an iterative venue to refine materiel solutions, with Soldier feedback, on a track for an operational evaluation for Army acceptance. Additionally, provide TRADOC Capability Managers (TCMs), Office of the Assistant Secretary of the Army for Acquisition, Logistics, and Technology (ASA(ALT)) Adaptive Red Team (ART) Technical and Operational Analysis (TSOA), Program Executive Officers (PEOs), and Program Managers (PMs) an opportunity to evaluate improved capabilities for fielded Army systems.

f. Support Joint experimentation and provide an operational venue in which to conduct Joint Capabilities Demonstrations.

4. Timeline. The planning milestones for AEWE 2017 Technology Selection are outlined below:

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- a. 15 October 2015: Technology submissions due.
- b. 20 October – 03 November 2015: CoE internal Pre-Selection (tiering).
- c. 06 November 2015: CoE Pre-Selection results released.
- d. 07 December 2015: Tier II & Tier III briefings at Fort Benning, GA.
- e. O/A 05 January 2016: Technology Selections Announced.

#### 5. Experiment Objectives.

a. Objective 1. How do we enable small units to conduct combined arms air-ground maneuver to defeat enemy organizations and accomplish missions in complex operational environments? Lead- MCoE. (AWFC 15).

b. Objective 2. How do we enhance air-ground operations to ensure access, seize the initiative, and defeat the enemy in close combat? Lead- FCoE. (AWFC 17 & 18).

c. Objective 3. How do we improve small unit sustainment to maintain freedom of action and movement during sustained operations in austere environments? Lead- SCoE. (AWFC 12, 16, & 20).

d. Objective 4. How can Maneuver Support capabilities further enable the Maneuver Force? Lead- MSCoE. (AWFC 12, 15, & 5).

e. Objective 5. How do we engineer the tactical network to maximize bandwidth efficiency, enable dynamic reconfiguration, and improve cybersecurity, while becoming expeditionary? Lead- Cyber CoE. (AWFC 7).

f. Objective 6. How do we develop and sustain a high degree of situational understanding while operating in complex environments against determined, adaptive enemy organizations? Lead- Intel CoE. (AWFC 1).

#### 6. Guidelines. Proposals for candidate technologies must meet the following guidelines:

a. Candidate technologies must be funded by the proposing organization. Technology providers will pay all costs associated with developing, transporting, training, and sustaining selected technologies during the experiment period.

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b. All proposals must be submitted electronically to [usarmy.benning.tradoc.mbx.mbl-expeditionary-warrior-experiments@mail.mil](mailto:usarmy.benning.tradoc.mbx.mbl-expeditionary-warrior-experiments@mail.mil) NLT 15 October 2015. See enclosure 2 for detailed instructions on how to submit a technology proposal.

c. The technology selection committee will assess all Tier II and Tier III submissions during the AEWE 2017 Technology Selection Working Group at Fort Benning, GA, 07 December 2015. Tier II and Tier III briefings will consist of a 10 minute presentation using the submitted quad chart before the Technology Selection Committee. See enclosure 2 for more information.

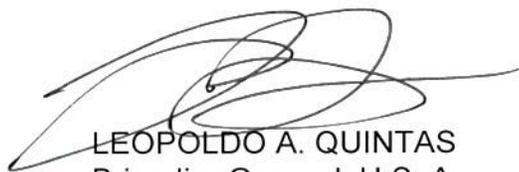
d. Selected technology(ies) will be assigned to a proponent CoE or other ARCIC organization for sponsorship. CoEs are responsible for developing basic experiment study objectives for each sponsored technologies and are responsible for executing the Experiment to Action Recommendations (ETAR) at the conclusion of the experiment.

e. The point of contact for all technology submissions and questions pertaining to the selection process is Mrs. Angie DePuydt at (706) 545-9777 or [angela.k.depuydt.ctr@mail.mil](mailto:angela.k.depuydt.ctr@mail.mil).

7. The point of contact for this memorandum is MAJ Brian Saul at (747) 788-5529 or email [brian.r.saul.mil@mail.mil](mailto:brian.r.saul.mil@mail.mil).

5 Encls

1. Experiment Objectives
2. Submitter's Guide
3. Quad Chart Template
4. White Paper Template
5. Experiment Timeline



LEOPOLDO A. QUINTAS  
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Director, Concept Development  
and Learning

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