



## TCM-ABCT & RECON SITREP

2 August 2016

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### 1. ABCT

#### a. Abrams.

1) The Abrams technical advisor is attending the TROPHY APS design review at TACOM 1-4 Aug 16. This is an interim review to validate the applique design to date.

2) The Abrams TADSS analyst is participating in a Fault Insertion Testing System demo at GDLS Sterling Heights, MI 1-3 Aug 16. Testing will support the Abrams Maintenance Division and the Abrams Master Gunner School to insert faults into the M1A2 SEPv3 for training. This will eliminate the need to install faults into the Line Replaceable Units and will use the Multi-Function Vehicle Port.

#### b. Bradley.

1) Supported 1ID for CVTESS during their RSOI week at the NTC. During the week, Soldiers and leaders were asked about train up and familiarization with the CVTESS. Soldiers were knowledgeable of the system causing installation and alignment to proceed smoothly as well as alignment; a testament to quality home-station training.

2) Received disposition instructions for two BATS trainers located on FT Benning that exceed training requirement now that the master gunner courses have combined and use the Clark training center for simulation instruction.

3) Completed coordination with BAE to return the Low Rate Initial Production (LRIP) CVTESS kit to SAAB since they have received a production kit to use for Vehicle Version ID (VVID) software testing. Additionally this kit has War Fighter Focus (WFF) support being fielded to Camp Parks and hand receipted to the Government POC located at BAE facility.

#### c. AMPV.

1) The AMPV Team completed coordination with logistics personnel from PM AMPV on section three of the Doctrine and Organization Test Support Package (D&O TSP). The received comments were incorporated and key information from the Life Cycle Sustainment Plan on environmental concerns were added to the document. The D&O TSP supports program milestones and informs operational testing on the means of employment, organization, logistics concepts, operational mode summary/mission profile (OMS/MP), and test setting.

2) The AMPV team will participate in the Test & Evaluation WIPT at APG, MD., 8-12 Aug. The agenda includes developmental testing schedule, operational test planning, RAM, Cybersecurity, and an ABCT organizational update.

**d. Formation and DOTLFP Integration:**

**1) Training, Leader Development, and Safety Integration (TLS):**

a) Team TLS has integrated into a CALL collection and analysis team at NTC 16-08 from 28 July to 05 August covering force on force activities of 1/1ID as the rotational unit. Other Centers participating include Maneuver Support, Cyber, and Intelligence. Units are encouraged to submit specific learning demands so that the team can collect the data that supports your mission requirements. POC is Derek McCrea @ [derek.d.mccrea.ctr@mail.mil](mailto:derek.d.mccrea.ctr@mail.mil)

**2) Doctrine, Organization and MC/Network Integration (DOP/MC-Network):**

CDD Force Development has re-engaged DAMO-FM and the USAFMSA community to determine the status of a BOIP adjustment to add a M1068 in Bravo Company BEB and for the CAV Squadron TACP. Lessons learned over the past two years has confirmed that a HMMWV is not an appropriate vehicle for B CO, BEB, operations and hampers command and control and mission tracking. As we transition our Troop and Platoon Scouts from HMMWVs to Bradleys, we need to insure our AF TACPs have the appropriate mobility and protection to allow them to move forward in support of these Troop operations. All other TACPs in the formation are currently equipped with M113s and will receive MCcmd AMPVs.

**e. Large Caliber Ammo:** In Korea supporting 8A efforts pertaining to mitigation of ammunition fragments from leaving the range waived Surface Danger Zone (SDZ). Conducted discussions pertaining to this issue range issue with key personnel from 8A, 2ID, and 1/1CD rotating unit. Main pieces of this discussion pertain to use of a large berm at selected target positions to reduce fragment escapement from the SDZ. Discussions continued on ways to strictly enforce safety procedures currently in place as another piece of fragmentation escapement. Continued efforts include a review of fragmentation containment on Korean ranges. Scheduled outrief to BG Graves, 8A DCG-O, will be conducted on Friday.

**f. Futures Integration:**

1) We continue to work on the Operational & Organizational (O&O) concept and anticipate no issues with meeting the 14 September ARCIC suspense. TCM ABCT will use the O&O Development SIMEX and Unified Challenge 16.2 to analyze DOTMLPF-P implications to the formation and to inform the O&O.

2) Rhett Griner participated in the Capabilities Needs Analysis (CNA) FY16 Functional Solutions Analysis (FSA) Council of Colonels VTC. Concerns were expressed over the lack of emphasis on institutional learning/design/schooling and the predominance of material solutions in the process. The work from CNA FY16 will inform the ABCT O&O.

3) Harry Jackson supported the ABCT SIMEX at the MBL Simulation Center. The SIMEX compared the ABCT with organic enablers organized under the K-Series TO&E circa 2020 to an advance case K-series TO&E circa 2030 against a peer/near-peer threat. The CAV Sqdrn and one Armor Combined Arms Battalion were considered high fidelity for data capture. Initial insights confirmed the value added with the addition of two MECH IN COs and one AR CO, the validity of the Tank CO in the CAV Sqdrn, the need for a C-UAS capability, the ability to operate under D3SOE, and dependency on EAB engineering enablers to support multiple maneuver axes. New findings identified the value of an additional Scout Platoon (6 x 36 SSP) in the CAV Troop and the need to synchronize EW, Space, and Cyber effects with Fires and Maneuver. We will continue to analyze the data to determine the increased capability provided by the APS and next gen FLIR on the combat platforms. The data will also be included in the O&O Concept and inform the OMS/MP update.

4) Rhett Griner supported UC 16.2 preparation and training of the role players. UC 16.2 will assess initial F2025 O&O formations for theater army (TA), corps and division to include employment of initial brigades and enablers in 2030. Vignettes will include Phase 2 (Entry Operations) and Phase 3 (Major Combat Operations) which employ joint maneuver in multiple domains with the intent of presenting enemy forces with multiple near-simultaneous dilemmas. The ABCT will use proposed concepts (such as the Movement and Maneuver Functional Concept), combat formations, vehicles, and technology enablers which are projected for fielding by 2030.

**g. Systems, Sustainment and Logistics Integration:**

1) Continuing to coordinate with Army Test Center on M88 Occupant Configuration for upcoming ballistics tests that will focus on occupant protection. IPTs focus on ensuring that the Test Coordination team is using current CIF and Unit allocated and issued equipment. Participating in IPT.

2) Mr. Harper is currently observing 1/1 ID at NTC Rotation 16-08. Observations and trip report will be submitted upon return to Ft Benning.

**h. ARNG LNO: NSTR**

**2. RECON.**

**Summary:** TCM Recon's primary area of emphasis is the participation in Unified Challenge 16.2 which includes the examination of the R&S BCT O&O concept and the Cavalry Group O&O Concept. The priority area of emphasis for CATR is the completion of a draft new equipment training (NET) plan and the evaluation of courses of action regarding the instruction of basic electronics within NET. Determining feasible basic electronics training courses of action is viewed as a precursor to completing the review of the CATR Life Cycle Sustainment Plan and assisting PM-GS in development of the CATR NET Plan and CATR Materiel Fielding Plan. TCM Recon's Recon Knowledge Network continues to support Army Division input to CATR technical refresh requirements determination.

a. Maneuver Conference. NO CHANGE: TCM-Recon as the CDID lead, in coordination with 316th CAV BDE, is tasked to execute Working Group #4 "R&S Against a Near-Peer Threat" for the Maneuver Warfighting Conference, 14-16 Sep. TCM-Recon has established initial contact with 316th CAV BDE and obtained their Action Officer contact for further coordination.

b. R&S Concepts and Analysis:

1) R&S BCT Implementation. NO CHANGE. No requests for support from 1/4 SBCT have occurred. 1/4 SBCT simulations officer's last request for information focused on the initial TRADOC analysis that resulted in the R&S BCT task organization concept.

2) Standard Scout PLT O&O. No Change. Assisting with DOTD formal editor's review.

3) Cav Troop O&O: Troop O&O development will resume upon completion of the Scout Platoon O&O and the Close Access Target Reconnaissance (CATR) O&O. Troop O&O development is anticipated to resume in October.

4) HHT O&O: To be written (T) NOV-DEC, editing, staffing and approval (T) JAN-FEB 2017.

5) R&S CBA: TCM-Recon is working with TCM-BCT representatives to update the Capabilities Needs Analysis (CNA) database with critical R&S CBA gaps and solutions.

6) Support to Unified Challenge 16.2: TCM-Recon is participating in UC 16.2 1-12 AUG with a focus on assessing the R&S BCT O&O and the Cavalry group O&O.

7) Scout Sensor Strategy and Development. NO CHANGE. Next update will occur 10 August as a Night Vision Lab update to COL Nuckols, Director, Mounted Requirements Division, CDID.

8) Cavalry Scout Leader and Solder Competencies: NO CHANGE. Work to be done. Requires time and personnel to conduct mission analysis / coordination, dates to be determined, with OCOA and DOTD to determine a way ahead. Platoon, Troop (TBP), HHT (TBP) O&Os will inform the effort.

9) Recon Council: Next event, TBD will be a planning session to synch preparation for the 15-18 NOV 4ID R&S Academy FCCO

c. Senior Leader Updates. NO CHANGE.

1) 18 AUG 16: TCM-Recon conducts Scout Platoon O&O Review with CoAR prior to presentation to CG MCoE for approval. to the CG, MCoE for approval to publish the PLT O&O (Date changed from 8 AUG to 18 AUG). As time permits briefing topics will include an update on all FDUs associated with Cavalry units and initial review of the Troop O&O outline and draft.

2) 29 AUG 16: Scout Platoon O&O Approval Briefing to CG, MCoE.

d. CATR: TCM Recon in concert with the primary CATR continues to revise and reduce cost estimates for basic electronics training in conjunction with NET. TCM Recon continues to seek to identify potential trade-offs that can be made to resource the requirement confirmed by DoTD's task analysis and NET review. The goal is to provide a series of options for decision makers to compare to the current COA of CATR NET without basic electronics training.

1) Priority efforts in order remain: assisting in the development of a CATR NET Plan, completing the review of the CATR Materiel Fielding Plan, CATR Life Cycle Sustainment Plan, and preparing a memorandum for PM Terrestrial Sensors outlining CATR Training Support Package sufficiency, and identifying critical actions that should inform the 2016 CATR Materiel Fielding Decision (date TBA). Near term priority actions related to preparing and present to PM GS a draft NET Plan to convey user requirements. A subsequent priority task is developing the ECATR Requirements document / MOA and identifying required CATR ASIOE and TMDE. CATR lines of effort include:

2) CATR Technology Refresh: NO CHANGE. Established MILSUITE collaboration site (<https://www.milsuite.mil/book/groups/tcm-recon/projects/catr-tech-refresh>) for units to provide recommendations for tech refresh to facilitate preparation for first tech refresh window in FY18. TCM Recon will host a user IPT on 18 AUG 2016 to discuss unit recommendations. The Tech Refresh IPT with units will be conducted via DCS: <https://conference.apps.mil/webconf/catrtechrefreshfy18>

3) CATR O&O: NO CHANGE. Review of the initial draft of CATR O&O continues. Awaiting inputs from copies sent to division representatives. The O&O will support the development of the training strategy and efforts with PdM. Revision will begin after UC 16.1 post execution tasks are complete.

4) CATR Lesson Plans: NO CHANGE. Providing support to DoTD for the development of CATR CONOP and software lessons plans.

## Upcoming Events.

a. ABCT

- 24-29 Jul - CVTESS SME Support @ NTC 16-08 (1/1ID) (FICA)

- 25-26 Jul - Korea range improvements meeting (Picatinny Arsenal)
- 25-29 Jul - O&O Development SIMEX (FBGA)
- 28 Jul - 05 Aug - Force on Force coverage of NTC 16-08 (1/1ID) (FICA)
- 29 Jul - CNA FY16 FSA Council of Colonels VTC
- 29 Jul - 06 Aug - 8A Range improvements (Korea)
- 01-03 Aug - Bradley ECP 2b T&E WIPT (SHMI)
- 04 Aug - Abrams/Bradley ECP 1b/2b Lethality Summit (SHMI)
- 08-12 Aug - AMPV T&E WIPT (APG)
- 8-13 August – Observe live fire, Ft Irwin, CA
- 15-18 Aug - STE WG (FBGA)

b. RECON

- 01-12 AUG: UC 16.2 Execution (FBGA)
- 08-12 AUG: CATR TAVS Training (FBGA)
- 09-11 AUG: 1<sup>ST</sup> Annual Future Soldier Integration Workshop (FBGA)
- 16 AUG (T): CATR Tech Refresh Workshop with PM GS (FBGA)
- 18 AUG: Sct Plt O&O Brf to CoAR (FBGA)
- 29 AUG: Sct Plt O&O Brf to CG (FBGA)
- TBD: CATR Materiel Fielding Decision (FBVA)
- 13-16 SEP: Maneuver Conference (FBGA)
- 15-18 NOV: 4ID R&S Academy ISO 1/4 SBCT R&S Excursion (FCCO)

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