



## TCM-ABCT & RECON SITREP

16 August 2016

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### 1. ABCT

#### a. Abrams.

1) ATCM and team members continue to coordinate with Abrams PdM in preparation for the lethality conference 17-18 Aug 2016 and the pre-CSB AOIPT 22-23 Aug 2016.

2) The Abrams TADSS analyst is providing SME support for a data collection for upgrades to the Close Combat Tactical Trainer (CCTT) at APG, MD. The data collection will include all upgrades for the M1A2 SEPV2 with low profile CROWS, ammo data link (ADL) and network upgrades.

#### b. Bradley.

1) George Moore is coordinating a face to face meeting with MRD TCM, REDCOM and the unit supporting the video production for the BRAT instruction. The meeting will be held at FT Benning 23 – 24 Aug to identify all requirements from each agency.

2) George Moore is providing support to ATC in order to layout the BOI for all system devices used to support gunnery training. He has provided simulator numbers and functions that each provide to the unit during gunnery training.

3) George Moore completed coordination with TCM Live PM Bradley and BAE to secure an additional set of CVTESS to BAE. The kit will support simultaneous VVID testing and reduce development time in order to provide the force the latest validated software in the shortest amount of time.

4) George Moore and Tom Tysor provided the NTC live fire OC TTP's identified over the past three years when using devices during the live fire for their rotation. One key note to the NTC was how the CVTESS can prevent vehicle live firing if in a killed state to provide a more realistic training capability when firing live ammo.

5) SFC Shepherd attended a TARDEC lead SCMM SIL User Excursion from 09-12 August 2016 at Detroit Arsenal, MI. Focus of the user excursion was on the form, fit and function of TARDEC proposed tele-operated driver station and vehicle commander's (VC) station. The SIL design attempts to bring enhanced awareness to the driver and VC in a side by side 2-man crew configuration with a suite of six touch screen monitors. The driver will have access to video feeds from 6-8 cameras providing 360 SA. The VC will have the same 360 SA capability as well as access to the IBAS and CIV sensors. The biggest issue was the degradation in lethality with the loss of hunter-killer capability on the move. In most case runs on the SIL, MRD and TCM SMEs attempted to integrate CIV functionality with little to no success with finding a role for the CIV. MRD and TCM representatives reinforced our stance with no degradation to what tasks crews can currently do on the M2A3 IFV, specifically a crew's ability to execute hunter-killer on the move. Other noted issues consisted of a lack of redundant back up to system software with hard key or bezel soft key configurations and a lack of VC override capabilities to the main gun systems. All

SIL deficiencies have been noted by TARDEC engineers and are currently working on solutions. TARDEC has laid on Bradley crewmen from Fort Bliss to conduct three separate User Excursions in September and have asked for MRD and TCM participation for each excursion.

6) SFC Shepherd received a demonstration on TARDEC's Helmet Mounted Display (HMD) system. The system mounts on the CVC or current ACH via the NVG base plate. The HMD consists of two individual 1" x 1" displays for each eye and receives video feed from two separate vehicle mounted sensors. The HMD has the ability to provide depth perception to the driver via the separate video feeds to each eye further enhancing the driver's ability to distinguish traversable terrain during day or night operations. TARDEC is currently modifying the form, fit and function for use in the FY18 SCMM demonstration.

**c. AMPV.**

1) The AMPV team participated in the Test & Evaluation WIPT at APG, MD from 8-10 August. During the first day the group reviewed actions of the developmental test working group, focusing on GFE functional sets and testing verification procedures. The group also had discussions on Test Center support requirements, combat developer, PM and OEM organizational changes and a program update post CDR. The remainder of the WIPT concentrated on specific testing events, training and schedule. The WIPT wrapped up with discussions on path forward to the developmental test readiness review and actions items generated from the group. TCM ABCT was assigned three action items: (a) Provide organizational update to ATEC for inclusion into system evaluation plan, (b) provide crew MOS/Grade by AMPV for limited user test, and (c) provide comments to PM AMPV logistics on past issues with combat vehicle TM development format/structure. The AMPV team will provide required information by 19 August.

**d. Formation and DOTLPF Integration:**

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

a) The team completed its visit to NTC 16-08 (1/1ID). During this visit our team served dual roles, as analysts for TCM-ABCT and on the Center for Army Lessons Learned (CALL) Collection and Analysis Team (CAAT). Our observations will be published in Initial Impressions Report (IIR) and later in a Combat Training Center (CTC) Newsletter on the Joint Lessons Learned Information System (JLLIS). The team is now planning for tiered coverage of NTC Rotation 16-09, with observations during RSOI, force on force, and AARs involving 3/4ID from FCCO. 3/4ID's training at 16-09 will focus on their deployed requirements in support of EUCOMs Regionally Aligned Force mission set ISO Atlantic Resolve. <http://www.eur.army.mil/atlanticresolve/>

b) Fort Benning hosts the 2016 Maneuver Conference from 14-16 September. The theme for this year is "Future Maneuver: Facing the Russian Threat." View the agenda, read ahead materials, information on participation through DCS, and registration information here: <http://www.benning.army.mil/MCoE/ManeuverConference/>

c) Following release of the standardized Decisive Action (DA) Mission Essential Task List (METL), the Army has changed training readiness reporting from T-P-U to Objective – T Standards. There are now five training readiness codes; T / T- / P / P- / U. A new objective task evaluation criteria matrix is being added to all collective task T&EOs. As part of this new standard, a percentage of authorized leaders must be present at training. A leader is the owner of the formation and other leaders and staff that contribute to achieving METL proficiency. Leaders present for training standards: T (≥85%), T- (75-84%), P (65-74%), P- (60-64%), U (≤59%). For details on the new Objective - T Standards visit <https://www.milsuite.mil/book/docs/DOC-301278>

d) TCM-ABCT has created a JLLIS binder for our products at <https://www.jllis.mil/apps/index.cfm?do=binders:binder.summary&binderid=23346> , which is in line with the Army's goal for JLLIS to serve as the system of record for the Army.

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

a) Phil Tiemeyer will attend MCCoE's CP Summit II, 13 and 15 Sep 16, at Ft. Leavenworth, KS. This is a follow on meeting to the summit he participated in from 13-17 June at Ft Bliss, TX hosted by BMC. CP Summit II will complement the DA G-3 Mission Command Network Refinement Summit conducted 14 September at the Lewis and Clark Building, which was hosted by MCCoE and led by HQDA G-3/5/7. We expect to leverage insights and guidance from this forum that can be included in the CP 2040 Strategy.

**e. Large Caliber Ammo:**

1) Mr. Kuamoo is teaming with several agencies while continuing work on (ECP) R16QT2003, which involves changes and updates to tank training ammunition technical data, conducting coordination for a Master Gunner Workshop during the Maneuver Conference next month, and efforts to update the ammunition section of the Abrams Operator Technical Manual.

**f. Futures Integration:**

1) The futures team participated in UC 16.2 at the MBL 1-12 August. One of the key insights from the exercise is the need to invest now to determine the Next Generation Fighting Vehicle capabilities in terms of Power Generation, Composite Armor, Directed Energy, and fully integrated Active Protective Systems that defend against a wide range of threats. This insight and others will inform the ABCT Operational and Organization concept.

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

1) Coordinating for Pre-CSB Army OIPT for PEO GCS, M88A2-HERCULES, Abrams, and Bradley. The DASM will chair an annual Configuration Steering Board (CSB) AOIPT for PEO GCS, M88A2-HERCULES, Abrams and Bradley programs. Pre-CSB Army OIPT is scheduled for 23 AUG 21016.

2) The team continues to participate in Action Officer IPTs to help shape the ABCT Enabler CSBs and AROC. There are only special topics planned for the CSB and no de-scoping is being requested. The Deputy Chief of Staff G8 is chairing the IPT for the AROC and in its infancy, the IPT is scoping efforts to help inform leadership of the enabler gaps as well as provide them recommended prioritization of capabilities for resourcing. The AROC is scheduled for 28 OCT 2016.

3) Continuing to work M88 Ballistic Test Requirements with Army Test Center. Planning to conduct underbelly testing which will update program baseline matrix. The last ballistic testing on an M88A2 was conducted back in the 1990s and was not a good representation of what system is fielded today. Results will help inform future R&D efforts to improve force protection while ensuring efficiencies are made with weight distributions. Testing is scheduled for 1st QTR FY17 at APG.

**h. ARNG LNO:** We continue to coordinate a staff visit to 1/34 ABCT (MNARNG) in Minneapolis the weekend of 17-18 September.

**2. RECON.**

**Summary:** TCM Recon's primary area of emphasis completion of the editing of the Scout Platoon O&O, completion of post experiment analysis in support of Unified Challenge 16.2, and identifying Close Access Target Reconnaissance technical refresh requirements.

a. Maneuver Conference. Due to a change in program, Working Group #4 "R&S Against a Near-Peer Threat" for the Maneuver Warfighting Conference, 14-16 Sep has been designated to examine another topic and TCM-Recon ICW 316th CAV BDE has been relieved of the original task to prepare the work group's activities.

b. R&S Concepts and Analysis:

1) R&S BCT O&O. NO CHANGE. Next step is tentative 18 SEP TRADOC O&O OE Revision Activity.

2) Standard Scout PLT O&O. Continuing editing of the O&O. CoAR review is scheduled for 18 August.

3) Cav Troop O&O: NO CHANGE. 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: NO CHANGE. To be written (T) NOV-DEC, editing, staffing and approval (T) JAN-FEB 2017.

5) CATR O&O: NO CHANGE. Completion postponed until Scout Platoon O&O is complete.

6) Armd Recon & Security Bde O&O. NO CHANGE. TCM Recon is designated to support MCCoE in the development of the O&O. MCCoE has not received sufficient guidance to begin the task and request specific support from TCM Recon.

c. R&S Analysis and Experimentation.

7) Support to Unified Challenge (UC) 16.2: TCM-Recon is participating in post experiment analysis with a focus on assessing the R&S BCT O&O and the Cavalry Group O&O. Note UC 16.2 is replicating one detached Cavalry Squadron, not the entire Cavalry Group.

2) R&S CBA: Beginning the week of 29 AUG, TCM-Recon will resume working with TCM-BCT representatives to update the Capabilities Needs Analysis (CNA) database with critical R&S CBA gaps and solutions.

3) AWA 17 Observer / Analyst (O/A) Support. NO CHANGE. TCM Recon provides one O/A for GMV / MPF / LRV assessments, 11-30 OCT 2016.

4) R&S BCT Excursion. NO CHANGE. Next step is coordination with 316 Cav Bde, TBA, to synchronize training to be presented at the 15-18 NOV 4ID R&S Academy.

5) Scout Sensor Strategy and Development. Refining Appendix to Scout Platoon O&O based on 9-11 AUG Future Soldier Integration Workshop

6) Cavalry Scout Leader and Solder Competencies: NO CHANGE. Work to be done. Requires time and personnel yet to be identified 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.

d. Recon Knowledge Network. Recon Council: NO CHANGE. Next event, TBD will be a planning session to synch preparation for the 15-18 NOV 4ID R&S Academy FCCO.

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

CATR: 16 AUG TCM Recon conducted an initial meeting with PdM Ground Sensors to identify technical refresh requirements. The review was based on requests for information from the operational force on CATR capabilities and technical refresh options.

### Upcoming Events.

#### a. ABCT

- 15-18 Aug - STE WG (FBGA)
- 17-18 Aug - Lethality Conference (FBGA)
- 22-23 Aug - pre-CSB AOIPT (Abrams)
- 22 Aug - 06 Sep - Force on Force coverage of NTC 16-09 (3/4ID) (FICA)
- 06-09 Sep - FC Umbrella Week visit to 2/1ID (FRKS)
- 13-15 Sep - CP Summit II (FLKS)
- 14-16 Sep - Maneuver Conference (FBGA)
- 16-18 Sep - Unit visit to 1/34 ABCT (MNARNG) (Minneapolis, MN)

#### b. RECON

- 18 AUG: Sct Plt O&O Brf to CoAR (FBGA)
- 23 AUG: Inbrief to Deputy USAARMS Comdt (FBGA)
- 29 AUG: Sct Plt O&O Brf to CG (FBGA)
- TBD: CATR Materiel Fielding Decision (FBVA)
- 11-30 OCT: AWA 17 O/A for GMV/MPF/LRV (FBTX)
- 14-16 SEP: Maneuver Conference (FBGA)
- 15-18 NOV: 4ID R&S Academy ISO 1/4 SBCT R&S Excursion (FCCO)

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