



## TCM-ABCT & RECON SITREP [week of 22 February]

25 February 2016

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### 1. ABCT

#### a. Abrams.

1) Team Abrams continues preparation for the Abrams SEPV3 User Jury scheduled for 7-18 March 2016. We supported PdM Abrams and AEC as the Abrams user representative briefing the Abrams M1A2v2 Software 4.6 Test plan to DOT&E (Mr. Daly). He had no issues and concurs with the SW 4.6 test strategy. Additionally, our office has been in coordination with FORSCOM for tasking support and will be using two Abrams crews from 1st AD and two Abrams mechanics from Ft. Benning.

2) The Abrams Technical Advisor attended the Abrams Live Fire IPT at APG, MD as the TCM ABCT Abrams LF IPT representative. The IPT covered the status of the Ammunition Vulnerability Test, Full Up System Live (FUSL) fire status and toxicity collection methodology. Also attending an Abrams armor program brief to the CG ATEC.

#### b. Bradley.

1) Our TADSS Analyst participated in a start of work meeting for the COFT with PEO-STRI and PM AFV to review the contract status with Oasis, who currently builds the system and has fielded 22 COFTs for RC BCTs and 14 for the AC. Oasis has also fielded 80 table top trainers for various AC/RC BCTs. During the review the key item for this build is the newest training circular for gunnery and the scoring procedures. Oasis has begun to review the document and are confident they can change the scoring system to meet the gunnery TC. An additional task in the TC is the call for fire task crews are expected to compete during gunnery. Mr. Moore is recommending this task be conducted in a different training area as it will take away from the main goal of a gunnery trainer training skillsets of functions, controls, and crew coordination needed to successfully engage targets using the Bradley.

2) SFC Shepherd participated in the TARDEC led weekly SCMM update to key stakeholders on 18 February 2016. Recent updates include changes to the timeline of Phase 1, the separation of Phase 1 into two separate phases (Phase 1a and Phase 1b), changes to turret integration and identifying resource needs for executing the 2nd QTR FY18 demonstration. Recent changes are the result of ARDEC not being able to leverage turret acquisition and integration without significant funding and little to no return on the investment. If ARDEC is to leverage turret acquisition and integration (with a weapon system solution), they are wanting to conduct a live-fire test. This request has forced TARDEC into separating Phase 1 into two separate phases; Phase 1a (2nd QTR FY18) will be the SCMM demonstration and Phase 1b will be the live-fire test (FY19). The request also forces TARDEC to take a new look at vehicle configurations for the SCMM demonstration. This week's SCMM update has been cancelled. TARDEC is working on a new configuration matrices and establishing new COAs for a mitigation strategy IOT maintain the current timeline.

**c. AMPV.**

1) The AMPV team supported the mission analysis discussion On 19 February 2016 between Mr. Sando and BG James Raymer, Commandant, Engineer School, MSCoE. The discussion was also supported by PM AMPV and both CoE's Capability Developers. MCoE and MSCoE agreed that an Engineer AMPV meets the requirements for a standardized vehicle in support of ABCT operations and lethality is an agreed upon trade space. We will be following up this discussion with a white paper focusing on potential impacts.

2) AMPV team participated in the MRD led update the TCM ABCT and MRD Leadership on recent and pending changes to the AMPV Capability Development Document (CDD) resulting from design and affordability limitations as the program nears Critical Design Review (CDR) and prototype development. There are numerous items being discussed as requirement modifications to the AMPV CDD supporting System Design lock for the Critical Design Review (CDR). An update is currently scheduled to Mr. Sando on 8 Mar 2016.

**d. Formation and DOTLFP Integration:**

**1) Doctrine, Organization, Personnel and MC-Network (DOP/MC-Net):**

a) TCM ABCT's Network team hosted a Platform Command Post Summit 2-3 Feb 16. The summit allowed Platform and Network program managers and related TRADOC Capability Managers to discuss current and future network integration initiatives, to increase awareness of specific program and requirement activities. All participants agreed the summit was productive and are better informed as a result. This Summit ensured that the Command Post and Common Operating Environment Version 3 (COEv3) schedules and requirements were understood by Platform and System PMs and TRADOC Capability Managers, and increased awareness of the capabilities and projected changes of various command post platforms. Discussions focused on the risks / gaps in program schedule synchronization to support Command Post and COEv3 integration into the various vehicle platforms. Summary of this event was published 8 Feb 16 and is available on TCM ABCT's milbook at: <https://www.milsuite.mil/book/groups/t>

b) Phil Tiemeyer is supporting a DA G3 directed, TRAC Leavenworth executed Army Wideband Satellite Communications Bandwidth Study. The scope of the study is to determine wideband SATCOM bandwidth required to support the protected and unprotected communications requirements at all echelons of Army forces; this includes combat support and combat service support. TRAC Leavenworth is hosting bi-weekly telecom's with a workgroup at Fort Leavenworth beginning the week of 21 March. TCM ABCT is gathering source data from OPS GRP NTC and select FORSCOM units to provide operationally sound information exchange requirements to inform the study.

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

a) Team TLS is examining data collected from unit visits to ABCTs who were deployed to COCOM mission requirements in Kuwait, Germany, and Korea. One area of particular interest involves NATO/Coalition/Threat Armored Vehicle and Aircraft Identification techniques. The team is working three separate actions involving updates to ROC-V software, resurrecting old GTA cards, and developing a mobile application. Interested parties should contact Carl Johnson at 706.545.4652 or [carl.r.johnson32.civ@mail.mil](mailto:carl.r.johnson32.civ@mail.mil)

b) The Maneuver Center's ABCT Doctrine Branch has published Army Techniques Publication (ATP) 3-90.5, *Combined Arms Battalion*, dtd 05 February 2016. ATP 3-90.5 describes the techniques and procedures to tactically employ combined arms battalions (CAB), the primary

maneuver force of the Armored Brigade Combat Team (ABCT) in unified land operations. Access it here: [http://armypubs.army.mil/doctrine/DR\\_pubs/dr\\_a/pdf/atp3\\_90x5.pdf](http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp3_90x5.pdf)

c) The 2016 Sullivan Cup; Best Tank Crew Competition hosted by the Maneuver Center of Excellence, the US Army Armor School, and the 194th Armored Brigade will be held 02-06 May 2016 at Fort Benning, Georgia. See overview of the competition, projected social events, and an event tracking tool here: <http://www.benning.army.mil/armor/sullivan/index.html> Follow the proceedings on Facebook: <https://www.facebook.com/USAARMS>

**e. Large Caliber Ammo:** Mr. Kuamoo continues coverage and participation in:

1) Tank gunnery with A-BOLC, 2-16 CAV at Fort Benning, GA in support of armor officer training.

2) Live fire tank gunnery with the 1-204th Regional Training Institute (RTI) at Gowen Field, ID. The unit fired the M1002 MPAT training round which was well received by the cadre and students.

3) Coordination to support an ammunition workshop in Reno, Nevada next week, to be attended by all levels of ammunition management and users up to the Joint Munitions Command, and Department of the Army.

**f. Futures Integration:**

1) The Futures Team hosted an Action Officer Working Group (AOWG) for the ABCT Seminar Wargame on 17 February. The seminar is scheduled for 7-11 March at the Maneuver Battle Lab and will now be conducted at the SECRET level. The next AOWG is scheduled for 25 February.

**g. Sustainment and Logistics Integration:**

1) Team Systems participated with the Combined Arms Support Command (CASCOM), Materiel Systems Directorate on the path forward pertaining to the Joint Tactical Transportation System (JTTS). The JTTS replaces and consolidates the Army and Marine Corps' legacy fleets of medium and heavy TWV and trailers, including: FMTV, HEMTT, PLS, LHT (M915), HET, MTRV, and LVSF into one or two common chassis platforms. The CASCOM mobility system lead was very interested in the ABCT formation haul requirements. Currently, CASCOM is in the development phase of creating an ICD and medium/heavy truck fleet OMSP. The initial draft CDD is scheduled for release mid FY17.

2) Team Systems will participate in the Tactical Wheel Vehicle Board of Directors (TWV BOD) via VTC on 01 March 2016. Topics covered will be the upcoming capability portfolio review, and a discussion on HET/COA recommendations (plan to meet the developmental requirements).

**h. Assistant Director - ARNG:**

1) Army National Guard (ARNG) identifies three long-term concerns that TCM ABCT could help analyze and generate viable solutions for:

a. **Interoperability** – Over time, capability gaps will widen between AIM-SA and SEP variant tanks. Gaps in Network, Lethality, and Survivability capabilities may lead to interoperability disconnects. What interoperability disconnects exist now, or will develop, between “digital” and “analog” fleets of Abrams and Bradley variants? How can disconnects be avoided or mitigated?

b. **Training** – M1A1 AIM-SA crews require 440 hours of training to deploy on M1A2 SEPV2s (per PM Abrams OPNET POI). How can M1A2 SEPV2 pre-deployment training requirements be reduced for M1A1 AIM-SA crews?

c. **Sustainability** – Operational costs of M1A1 AIM-SA tanks will increase over time, and readiness may be impacted by decreased availability of repair parts and components. How

much will M1A1 AIM-SA operational costs increase over time? Will the industrial base continue to produce AIM-SA parts and components to sustain readiness?

2) 1/34<sup>th</sup> ABCT continues to conduct monthly teleconference across states with organic and supported units in preparation of their NTC rotation. The next 1/34<sup>th</sup> ABCT NTC 16-07 Planning Synch Meeting is scheduled on or about 08 March 2016. There was no major capability gap issue during February call.

3) ARNG ABCT force structure changes continue. Currently, the focus is on MTOE changes in the 278th ACR (TNARNG) and 116th ABCT (IDARNG). By FY17 the ARNG will have five ABCTs.

## 2. RECON.

### a. R&S Concepts and Analysis:

1) R&S BCT O&O Implementation: Unified Quest 16.1 activities in March will provide the opportunity to update the R&S BCT O&O to reflect K series TOEs.

2) CAV SQDN O&O: **NO CHANGE:** The CAV SQDN O&O is at ARCIC Concept Development for review and approval. No date for completion of the review has been established.

3) Scout PLT O&O: Currently fleshing out the O&O outline. Major RFIs related to writing the O&O include scout squad definition and developing a scout sniper concept

4) R&S CBA: Updating recommendations to align with the cav Sqdn O&O and Cavalry Scout Leader and Soldier Competencies, concurrently coordinating recommendations with DOTMLPF lead's at MCoE in preparation for the 2 MAR review with the CoAR.

5) 19D Scout Sniper. **NO CHANGE:** This effort is being worked in conjunction with the USAARMS and 3-16 CAV SQDN's related efforts to integrate Scout Sniper employment into the Army Reconnaissance Course.

### b. Standard Scout Squad Force Design Update (FDU) Preparation. **NO CHANGE:** ON HOLD PENDING Scout Squad Definition Analysis, date TBD.

### c. CATR:

1) CATR O&O. **NO CHANGE:** Review of the initial draft of CATR O&O continues. The O&O will support the development of the training strategy and efforts with PdM.

2) CATR Lesson Plans: **NO CHANGE:** Continuing to support the development of CATR overview and tagging tracking and locating lessons plans. Continuing to support the development of CATR critical task list.

3) CATR integration into functional courses. **NO CHANGE:** ICW with CATR Master Trainer continuing discussions with instructors from RSLC and Sniper course to determine a way ahead to incorporate familiarization training. Conducted office call with ARC course manager.

4) CATR BOIP: **NO CHANGE:** Adjudicating comments from USASOC and USAFMSA.

### d. Sensor Capability Development. Actions complete.

## Upcoming Events.

### a. ABCT

- 29 Feb - 04 Mar - Ammunition Workshop (Reno, NV)
- 07-18 Mar - Abrams M1A2 SEPV3 User Jury (APG)
- 07-12 Mar - TCM-ABCT Seminar War game (FBGA)
- 07-18 Mar - Abrams SEPV3 User Jury (APG, MD)
- 05-08 Apr - JAB User Forum (Warren, MI)
- 26-29 Apr - JAB Start of Work Meeting (Warren, MI)

### b. RECON

- 22 FEB- 4 MAR: Capabilities Dev Course (FBGA), (O'Steen, Dankyan & Horais)
- 2 MAR: TCM Recon Update to Chief of Armor
- 1-3 MAR: UC 16.1 GAMEXp Rock Drill (Dunn)
- 7-11 MAR: ABCT Seminar Wargame (FBGA) (Cason, Dunn, Fowler & Rose)
- 14-24 MAR: UC 16.1 GAMEXp (FLKS) (Dunn & Fowler)
- 28-31 MAR: UC 16.1 GAMEXp Analytics Scrum (FLVA) (Dunn)
- TBD APR: Scout Sniper Concept & Task Analysis (FBGA)
- TBD APR: Scout Squad Definition Analysis

### Email Members of TCM-ABCT/Recon's staff:

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