



NDIA ATC Army Liaison Report

September 10, 2017

Agenda

➤ Major Platform Updates

- Armored Multi-Purpose Vehicle (AMPV)
- Joint Light Tactical Vehicle (JLTV)
- Ground Combat Systems Modernization

➤ PEO Combat Support & Combat Service Support (CS&CSS)

- Organization
- Force Projection Portfolio
- Test Measurement & Diagnostic Equipment (TMDE) Overview
 - Next Generation Automatic Test System (NGATS)
 - NGATS Shelters
 - TMDE Acquisitions

➤ Picatinny Automatic Test System Division (ATSD)

- Acquisitions
- Activity

Armored Multi-Purpose Vehicle (AMPV)

- **AMPV Engineering and Manufacturing Development (EMD) contract awarded to BAE Systems Land & Armaments Dec 23 2014**
 - **Required Commercial Off-the-Shelf design that can be incrementally improved**
- **Initial award 52-month base term ~\$388M**
 - **Includes 29 vehicles for testing**
- **Planned 3-year LRIP contract in 2020, ~289 vehicles**
- **First prototype rolled off production line December '16**
 - **24 months after award**
- **Production prove out and**
- **Currently anticipate 2,897 vehicles @ \$3.7M**
- **Currently planning support using NGATS**



Joint Light Tactical Vehicle

- **Oshkosh awarded Production Contract on 25 Aug 2015**
 - **\$6.7B (17,000 vehicles)**
 - **Procurement thru ~2040, ~55,000 Total**
 - **~49,500 Army & ~5,500 USMC Vehicles**
 - **USMC reportedly increasing to 9,091 vehicles**
 - **Total Program Cost dropped from ~\$30B to ~\$25B, due to realized savings vs estimates**
 - **Army's first order March 2016 – 657 systems**
- **Full Rate Production decision is planned for FY2018**
- **Army IOC FY2019, USMC FY2020**
- **Air Force requested \$60.5M for JLTV security forces**
- **Army disclosed JLTV to be used for Light Reconnaissance Vehicle (LRV)**



Ground Combat Systems Modernization

- **Upgrades & additional production will continue**
 - **Abrams, Bradley, Stryker BCT, Paladin (PIM Program)**
- **Future Fighting Vehicle**
 - **BAE & General Dynamics awarded contracts in June '16, due Nov '16, to provide the “realm of possibilities” for infantry fighting vehicles**
 - **Two possible outcomes**
 - **Acquisition of new Future Fighting Vehicle (Bradley replacement)**
 - **Additional modernization of Bradley**
 - **BAE & General Dynamics recommendations not released, but**
 - **Army appears sensitive to Bradley replacement**
 - **Prior attempts, GCV & FCS, resulted in the “perfect vehicle” – difficult requirements, took too long, cost too much**
 - **Analysts – New lighter armor required before Bradley is replaced**
 - **DARPA – Focus less on armor and more on speed**

Major Platform Upgrades Remain a Significant Effort

PEO Combat Support & Combat Service Support



Organization

[Acting] Assistant Secretary of the Army for Acquisition, Technology, and Logistics (ASA(ALT))
Ms. Steffanie Easter



[Acting] Principal Deputy to the [ASA(ALT)]
Mr. Christopher Lowman

Executive Officer
LTC Jon St. John
APEO Business Management:
Mr. Jean [J.P.] Marcoux
APEO Logistics:
Mr. Glen Broman
APEO FMS/Integration:
COL James Craig
APEO Systems Engineering/Information Technology:
Ms. Michelle Minto
APEO Strategic Management:
Mr. Michael Cadieux
Director of Communication:
Mr. Michael Clow
Director of Current Operations:
Mr. Jim Ellis

Principal Military Deputy to the [ASA(ALT)]
LTG Paul A. Ostrowski



Program Executive Officer
Mr. Scott Davis



Deputy PEO
Mr. Ross Guckert



Chief of Staff
COL John Cavedo, Jr.



Force Projection
PM: Mr. Bryan McVeigh
DPM: Mr. Steve Roberts



Expeditionary Energy & Sustainment Systems
PM: COL Adrian Marsh
DPM: Ms. Lisa Stone



Joint Program Office
Joint Light Tactical Vehicle
PM: COL Shane Fullmer
DPM: Mr. Mike Sprang
DPM-USMC: Mr. Andrew Rodgers



Transportation Systems
PM: COL Dan Furber
DPM: Mr. Eric Fletcher



PdM Bridging
Mr. Steven Rienstra

PdM Combat Engineer/Material Handling Equipment
LTC Brian Watson

PdM Petroleum & Water Systems
LTC Craig Fournier

PdM Sets, Kits, Outfits & Tools
Mr. Wolfgang Petermann

PdM Applique & Large Unmanned Ground Systems
LTC Cory Berg

PdM Unmanned Ground Vehicles
Mr. Louis Anulare (USMC)

PD Test, Measurement, & Diagnostic Equipment
Mr. Oral Walker

PL Robot Logistic Support Center
Mr. Thomas Lettis

PEO CS&CSS

PdM Small Expeditionary Power Sources
Mr. Mark Corzine (USMC)

PdM Mobile Electric Power Systems
LTC Harold Henderson

PdM Force Sustainment Systems
LTC Frank Moore

PD Contingency Basing Infrastructure
Mr. Ray Folden

PL Battery Power Sources

PdM Vehicle Systems
LtCol John Gutierrez (USMC)

PdM Systems Integration
LTC Rob Barnhill

PD Test
Mr. Thomas Svisco

PD Light Tactical Vehicles
Mr. Craig Riedel

PL Ground Mobility Vehicles
[Acting] Ms. Jennifer Johnson

PdM Heavy Tactical Vehicles
LTC Jeffrey Jurand

PdM Allied Tactical Vehicles
LTC Russell Hoff

PdM MRAP Vehicle Systems
LTC Michael Riley

PD Medium Tactical Vehicles
Mr. Alvin Bing

PD Army Watercraft Systems
Ms. Zina Kozak-Zachary

★ Leadership Change
★ Organization Change

Force Projection – Organization/Leadership Changes



LTG Michael E. Williamson
(outgoing)

Principle Military Deputy
to the (ASA (ALT))



LTG Paul A. Ostrowski
(Incoming)



➤ Force Projection

- PdM Bridging - Outgoing: LTC Jeff Biggans Incoming: Mr. Steven Rienstra

➤ Expeditionary Energy & Sustainment Systems

- PM - Outgoing COL Maurice Stewart Incoming: COL Adrian Marsh
- PL Battery Power Sources – Absorbed into Small Expeditionary Power Sources

➤ Joint Light Tactical Vehicle

- PL Ground Mobility vehicles – Moved from Transportation Systems Organization

➤ Mine Resistant Ambush Protected Vehicles

- Moved into Transportation Systems Organization – PdM MRAP Vehicle Systems
 - CS&CSS Reduced from 5 Organizations to 4

➤ Transportation Systems

- PdM MRAP Vehicle Systems – Newly assigned: LTC Michael Riley

Force Projection Portfolio



Test Measurement & Diagnostic Equipment Overview



TMDE Product Teams

- APATS - At-Platform Automated Test Systems
- OPATS/NGATS - Off-Platform Automated Test Systems
- TEMOD - Test Equipment Modernization
- CALSETS - Calibration Sets
- FMS - Foreign Military Sales

Next Generation Automatic Test System (NGATS)



Automatic Test Station



TPS Storage



Description:

A highly mobile, rapidly deployable, general-purpose, reconfigurable automatic test system which directly supports testing and screening of Army weapon systems to maintain their readiness to shoot, move, and communicate. **Designated to replace Direct Support Electronic Systems Test Set (DSESTS), Base Shop Test Facilities (BSTF), versions 3 and 5, and other legacy ATE.**

NGATS Fielding:

- NGATS will replace legacy ATE
- Projected AAO is 180 systems

NGATS Status:

- Console contract awarded September 2014
- NGATS Shelter contract awarded February 2016

TMDE Programs – NGATS

- **First Article Test completed Sept 2015**
- **Current production supporting TPS development/rehost**
- **Army Reliability Test completed May 2017**
- **Logistics Demo. completed May 2017**
- **Mobility Test anticipated Sept 2017**
- **Material Release anticipated Sept 2018**



TMDE Programs – NGATS Shelters

- **Currently Producing 4 Set of Shelters (ATS, TPS)**
- **Shelter ATP Completed October 2016**
- **First Shelter Delivered January 2017**
- **First NGATS Shelter Installation Completed February 2017**
- **Mobility Test anticipated Sept 2017**



TMDE Acquisitions – Misc.

- **Various General Purpose Electronic Test Equipment Modernization projects (TEMOD) – anticipated Contract Awards**
 - **ME-572()/U Ammeter (Cancelled)**
 - **OS-305/U Oscilloscope (1QFY18)**
 - **OS-307/U Oscilloscope (1QFY18)**
 - **TS-4548/P RF Power Meter (1QFY18)**
 - **TS-4544/U Telecommunications Test Set (3QFY18)**
- **Multiple Calibration instruments & standards acquisitions**
- **Maintenance Support Device (MSD) & Smart Wireless Internal Combustion Engine (SWICE)**
 - **MSD-V4 (Rugged) RFP anticipated release 1QFY18**
 - **MSD-V4 (Light) RFP anticipated release 1QFY18**
 - **Wireless At-platform Test Set (WATS) RFP release 4QFY18**
 - **SWICE production ongoing**

Picatinny ATSD Army Acquisitions – ATE Engineering Services IDIQ

- **ATE Engineering Services IDIQ – Large Business IDIQ**
 - **Continuing to release tasks**

- **ATE Engineering Services IDIQ – Small Business IDIQ**
 - **Continuing to release tasks**
 - **ATSD had the ceiling raised on the current contract**
 - **RFP for new contract released August 1, 2017**
 - **ATSD's future contract will support the Directorate (Fire Control), which includes all 5 Divisions**
 - **\$125M ceiling over five years**

Picatinny ATSD Army Activity

➤ Current NGATS TPS rehost/development activity

- Abrams/Bradley (all variants)
- STRYKER (all variants)
- STRYKER MGS
- CREW DUKE/THOR (V4/V5)
- FireFinder
- Paladin M109A7
- CROWS (new variants being developed: Abrams)
- M777
- Husky HDMS
- Spider
- AN/TPQ-53
- Avenger
- Hellfire
- PM Cargo
- Family of Weapon Sights (FWS) – In Negotiation
- Mounted Family of Computer Systems (MFoCS) – In Negotiation

➤ Other

- Army Field level maintenance study in-process
- Army CBM+/HMS (NxOMS) efforts
- Electro-Optic Test Subsystem
- RF Subsystem

