



NDIA ATC Army Liaison Report

March 26, 2019

Agenda

- **PEO Combat Support & Combat Service Support (CS&CSS)**
 - **Organization**
- **Test Measurement & Diagnostic Equipment (TMDE) Overview**
 - **Next Generation Automatic Test System (NGATS) Overview**
 - **NGATS**
 - **NGATS Shelters**
 - **NGATS Mission Areas**
 - **TMDE Acquisitions**
- **Picatinny Automatic Test System Division (ATSD)**
 - **Engineering Services**
- **TPS Army Activity**

PEO Combat Support & Combat Service Support



Organization



Assistant Secretary of the Army for Acquisition, Technology, and Logistics (ASA(ALT))
Honorable Bruce Jette, Ph.D.

Principal Military Deputy to (ASA(ALT))
LTG Paul Ostrowski

Principal Deputy to (ASA(ALT))
Mr. Jeffrey White

Program Executive Officer ★
Mr. Tim Goddette

★ **Deputy PEO, Acting**
Mr. Steve Roberts

Executive Officer:
Mr. Kelly Sowell

APEO Business Management:
Mr. Jean (J.P.) Marcoux

APEO Logistics:
Mr. Glen Broman

APEO FMS/Integration:
COL James Craig

APEO Systems Engineering/Information Technology:
Mr. Michelle Kivito

APEO Strategic Operations:
Mr. Steve Roberts

APEO Communication:
Mr. Michael Clow

Director of Current Operations:
Mr. Jim Ellis

Expeditionary Energy & Sustainment Systems

PM: COL Adrian Marsh
DPM: Ms. Lisa Stone

- ★ PdM Small Expeditionary Power Sources
Mr. Pete Shively (Acting)
- PdM Mobile Electric Power Systems
LTC Harold Handerson
- ★ PdM Force Sustainment Systems
LTC Alexander Babington
- PD Contingency Basing Infrastructure
Mr. Ray Folden

Force Projection

PM: Mr. Bryan McVeigh ★
DPM: Mr. Shon-Neil Severns

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|---|--|
| PdM Bridging Mr. Steven Rienstra | ★ PdM Appliqué & Large Unmanned Ground Systems LTC Jon Bodenhamer |
| PdM Combat Engineer/Material Handling Equipment LTC Brian Watson | PdM Unmanned Ground Vehicles Mr. Louis Anulare (USMC) |
| ★ PdM Petroleum & Water Systems LTC William Anderson | PD Test, Measurement, & Diagnostic Equipment Mr. Oral Walker |
| PdM Sets, Kits, Outfits & Tools Mr. Wolfgang Petermann | PL Robot Logistic Support Center Mr. Thomas Lettis |

Joint Light Tactical Vehicle

PM: COL Shane Fullmer
DPM: Mr. Michael Sprang
DPM-USMC: Mr. Andrew Rodgers

- PdM Vehicle Systems
LtCol Mark Braithwaite (USMC) ★
- PdM Systems Integration
LTC Rob Barnhill
- PD Test
Mr. Thomas Svisco
- PD Light Tactical Vehicles
Mr. Craig Riedel
- ★ PL Ground Mobility Vehicles
Mr. Steven Herrick

Transportation Systems

PM: COL Dan Furber
DPM: Mr. Eric Fletcher

- PdM Heavy Tactical Vehicles
LTC Jeffrey Jurand
- PdM Allied Tactical Vehicles
LTC(P) Russell Hoff
- PdM MRAP Vehicle Systems
LTC Michael Riley
- PD Medium Tactical Vehicles
Mr. Alvin Bing
- PD Army Watercraft Systems
Mr. Chad Stocker




PEO CS&CSS

1

November 18

★ Leadership Change

A number of changes have occurred in CS&CSS Leadership, but none directly affect Test, Measurement & Diagnostic Equipment

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

What is NGATS? NGATS - DOD / Army Standard

A single system for Field, Sustainment, and Depot Maintenance supporting current and future systems IAW DoD, ASA(ALT), and Army Policy

Replaces Legacy AT

- DSESTS**
 - Abrams/Bradley
- BSTF**
 - Ground Missile Systems
 - Kiowa Electronics
- EOTF**
 - Kiowa/Apache Electro-Optics

NGATS (DoD/Army Standard)

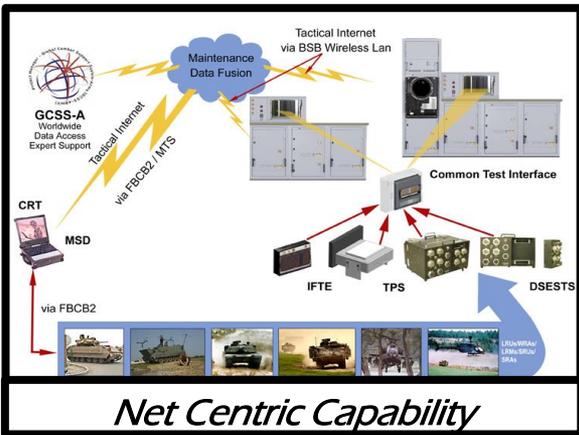


Automatic Test Equipment (ATE) Shelter



Test Program Set (TPS) Shelter

Supports Current and New Systems



- ### Reduces Total Logistics Burden
- Enables Information Superiority
 - Reduces Obsolescence / NEOFs
 - Enables Closed Loop Diagnostics
 - Supports CLOE-SALE(LMP/GCSS-A)
 - Consolidates ATS
 - Consolidates MOS 91G to 94Y

- ### Increases Operational Benefits
- JCIDS Validated / ATEC Tested
 - NET Ready
 - Decreased TPS Diagnostic Times
 - C130 Transportable
 - Reconfigurable
 - Open Source Architecture
 - Field level, Sustainment level (equipment Synergy w/ Depots)

TMDE Programs – Next Generation Automatic Test System (NGATS)

- **First Article Test completed Sept 2015**
- **Current production supporting TPS development/rehost**
- **Army Reliability Test completed May 2017**
- **Logistics Demo. completed May 2017**
- **Rail Impact Tests completed Aug 2018**
- **Mobility Test completed Apr 2018**
- **Materiel Release anticipated Mar 2019**
- **Fort Lee training Apr 2019**
- **Initial fielding Apr 2019**



TMDE Programs – NGATS Shelters

- **Currently Producing 8 Sets of Shelters (ATS, TPS)**
- **Shelter ATP Completed October 2016**
- **First Shelter Delivered January 2017**
- **First NGATS Shelter Installation Completed February 2017**
- **Rail Impact Tests completed Aug 2018**
- **Mobility Test completed Apr 2018**
- **Production moved to Goldsboro, NC – new First Article**
- **CSC Testing Completed**
- **Materiel Release anticipated Mar 2019**
- **Initial fielding Apr 2019**





NGATS Mission Areas



M2A3
M3A3 BFIST



M1A2 SEP



Apache



CH-47



Stryker



M777



Firefinder



CROWS



STRI



M2A2 ODS/SA
M7 BFIST SA



Gray Eagle



JBC-P
(MFoCS)



M109A6 (Rehost),
M109A7 (New TPSs)
Paladin



NGATS will be Capable of Supporting Existing and Future Army Platforms

NVDs



MML



M1A1 SA



| |
|-----------------------------|
| TPS Engineering Development |
| Completed |
| In Process |
| Planned |
| In Discussion |

TPQ-53



CREW Duke



Avenger



Hellfire



Shadow



Husky HDMS



TMDE Acquisitions – Misc.

- **Various General Purpose Electronic Test Equipment Modernization projects (TEMOD) - anticipated Contract Awards**
 - TS-4549/T Radio Test Set (2QFY19)
- **Multiple Calibration Instruments / Calibration Standards Acquisitions:**
 - 5730A Multifunction Calibrator 3QFY19
 - 96040A Low Phase Noise Signal Generator 3QFY19
 - Instrument Controller Replacement 3QFY19
 - AN/GSM-421A(V)2 Mobile Maintenance Shop 4QFY19
- **Maintenance Support Device (MSD) Competition**
 - MSD-V4 (Rugged) – Leonardo DRS Won
 - MSD-V4 (Light) RFP – Leonardo DRS Won

Picatinny ATSD – Engineering Services

- **ATE Engineering Services IDIQ – Large Business IDIQ**
 - Continuing to release tasks
 - Contract expires Sept 2019,

- **NetCentric and ATE Engineering Services IDIQ – Small Business 5 yr IDIQ**
 - Follow-on contract awarded FY18 (3 vendors)
 - Releasing tasks

- **ARDEC WSEC IDIQ –Small Business 5 yr IDIQ**
 - Contract awarded May 2018 (5 vendors)
 - Releasing tasks
 - Contains ATSD requirements as well other WSEC and ARDEC requirements

TPS Army Activity

- **ATSD Working with West Point to update the Army's ATE/NGATS Study**
 - Finished OCONUS trip for data gathering
 - Adding phase on NEOFs in Army
- **Rehosting/developing numerous TPSs for NGATS**
 - MFoCS TPS development awarded August 2018 - ARDEC
 - Discussion on Blackhawk migration – AMRDEC
 - Rehosting of Avenger TPSs – AMRDEC
 - Rehosting Hellfire TPSs – AMRDEC
 - Discussion with AN TPQ53 Radar – ARDEC/TYAD
 - Discussion on MML TPSs – AMRDEC
 - Discussion with AN/ASN-128 Radar – TYAD
 - Begun New Development of TPSs for M109A7 – ARDEC
 - In-house/contractor
 - Discussing TPS requirements with JAB – ARDEC
 - Continue TPS development with STRYKER - ARDEC
- **Working on Army CBM+/HMS (NxOMS) efforts**
- **Continuing to productionize NGATS Electro-Optic Test Subsystem**
- **Continuing the development and productionization of an NGATS RF Subsystem**

- Three Army ATE/TPS Centers
 - ARDEC ATSD
 - AMRDEC
 - TYAD

