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
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
- BSTF
- EOTF

- Abrams/Bradley
- Ground Missile Systems
- Kiowa Electronics
- Kiowa/Apache Electro-Optics

NGATS (DoD/Army Standard)

Supports Current and New Systems

- Abrams
- Bradley
- Stryker
- CROWS
- LW155
- TPQ-53
- CH-47

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)

Net Centric Capability

26 February 2018
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
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

NGATS will be Capable of Supporting Existing and Future Army Platforms

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<th>TPS Engineering Development</th>
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- M2A3 M3A3 BFIST
- M1A2 SEP
- Apache
- CH-47
- Stryker
- M777
- Firefinder
- M2A2 ODS/SA
- M7 BFIST SA
- STRI
- Gray Eagle
- JBC-P (MFoCS)
- NVDs
- Paladin
- M109A6 (Rehost), M109A7 (New TPSs)
- CREW Duke
- MML
- Avenger
- TPQ-53
- Hellfire
- Husky HDMS
- Shadow
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