



# NDIA ATC Army Liaison Report

March 29, 2017

# Agenda

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## ➤ 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**
- **Currently anticipate 2,897 vehicles @ \$3.7M ea., built over 13 years**
- **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**
    - **Total Program Cost dropped from ~\$30B to ~\$25B, due to realized savings vs estimates, updates to purchasing profile...**
- **Army's first order March 2016 – 657 systems**
- **Full Rate Production decision is planned for FY2018**
- **Army IOC FY2019, USMC FY2020**
- **Air Force considering JLTV for security forces**
- **May '16 Army disclosed JLTV to be used for Light Reconnaissance Vehicle (LRV)**



# Ground Combat Systems Modernization

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- **Upgrades & additional production will continue**
  - **Abrams**
  - **Bradley**
  - **Stryker BCT**
  - **Paladin (PIM Program)**
- **Future Fighting Vehicle**
  - **BAE & General Dynamics awarded contracts in June '16 to provide the “realm of possibilities” for infantry fighting vehicles**
    - **Concepts due in November '16**
    - **Two possible outcomes**
      - **Acquisition of new Future Fighting Vehicle (Bradley replacement)**
      - **Additional modernization of Bradley**
    - **Army appears sensitive to Bradley replacement**
      - **Prior attempts, GCV & FCS, resulted in the “perfect vehicle” – difficult requirements, took too long, cost too much**

*Major Platform Upgrades Remain a Significant Effort*

# PEO Combat Support & Combat Service Support

## Organization



Principal Military Deputy to the (ASA(ALT))  
LTG Michael E. Williamson



Senior Official Performing the Duties of the Assistant Secretary of the Army for Acquisition, Technology, and Logistics (ASA(ALT))  
Ms. Steffanie Easter



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

**Executive Officer**  
Mr. Kent Shea  
**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 Operations:**  
Mr. Michael Cadieux  
**Director of Communication:**  
Mr. Michael Clow  
**Director of Current Operations:**  
Mr. Jim Ellis

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



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



Mine Resistant Ambush Protected Vehicles  
PM: COL Jason Craft  
DPM: Mr. Michael Loos



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

Expeditionary Energy & Sustainment Systems  
PM: COL Maurice Stewart  
DPM: Ms. Lisa Stone

PdM Small Expeditionary Power Sources  
Mr. Mark Corzine

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  
TBD

PdM Vehicle Systems  
LtCol John Gutierrez

PdM Systems Integration  
LTC Rob Barnhill

PD LTV Test  
Mr. Thomas Svisco

PD Light Tactical Vehicles  
Mr. Steven Rienstra

PdM Vehicle Systems  
LTC Joel Franklin

PL Assured Mobility Systems  
MAJ Thomas Cray

PdM Heavy Tactical Vehicles  
LTC Jeffrey Jurand

PdM Allied Tactical Vehicles  
LTC Russell Hoff

PD Medium Tactical Vehicles  
Mr. Alvin Bing

PD Army Watercraft Systems  
Ms. Zina Kozak-Zachary

PL Ground Mobility Vehicle  
Ms. Jennifer Johnson

- PdM Bridging  
LTC Jeff Biggans
- 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 Appliqué & Large Unmanned Ground Systems  
LTC Cory Berg
- PdM Unmanned Ground Vehicles  
Mr. Louis Anulare
- PD Test, Measurement, & Diagnostic Equipment  
Mr. Oral Walker
- PL Robot Logistic Support Center  
Mr. Thomas Lettis

# Force Projection – Organization/Leadership Changes



**Mr. Michael Cadieux (Acting)**  
(Outgoing)

Deputy PEO



**Mr. Ross Guckert**  
(Incoming)



# 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 184 systems

### NGATS Status:

- Console contract awarded September 2014
- First Article Test completed September 2015
- NGATS Shelter contract awarded February 26, 2016

# TMDE Programs – NGATS

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- **Console/System integration full rate competition**
  - **Awarded Sept 2014 to Boeing**
- **First Article Test complete Sept 2015**
- **Current production for TPS development/rehost**
- **Army Reliability Test Event**
  - **Free Standing – Completed December 2016**
  - **Shelter Configuration – Start April 2017**
- **Logistics Demo. In Process**



# TMDE Programs – NGATS Shelters

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## ➤ NGATS Shelter (ATE, TPS Shelters)

- Contract awarded February 2016 to AAR Manufacturing Inc.
- Currently Producing 4 Set of Shelters (ATS, TPS)
- Shelter ATP Completed October 2016
- Shelter Delivered December 2016
- NGATS Shelter Installation Completed February 2017



# TMDE Acquisitions – Misc.

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- **Various General Purpose Electronic Test Equipment Modernization projects (TEMOD) – anticipated Contract Awards**
  - **ME-572()/U Ammeter (3QFY17)**
  - **OS-305/U Oscilloscope (3QFY17)**
  - **OS-307/U Oscilloscope (3QFY17)**
  - **TS-4548/P RF Power Meter (3QFY17)**
  - **TS-4544/U Telecommunications Test Set (2QFY18)**
- **Multiple Calibration instruments & standards acquisitions**
- **Maintenance Support Device (MSD) & Smart Wireless Internal Combustion Engine (SWICE)**
  - **MSD-V4 (Rugged) RFP anticipated release 4QFY17**
  - **MSD-V4 (Light) RFP anticipated release 4QFY17**
  - **Wireless At-platform Test Set (WATS) RFP release 4QFY18**
  - **SWICE production ongoing**

# **Picatinny ATSD Army Acquisitions – ATE Engineering Services IDIQ**

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- **ATE Engineering Services IDIQ – Large Business IDIQ**
  - **Continuing to release tasks**
    - **NGATS RF Subsystem**
    - **Computer Upgrade**
    - **Acquiring Data**
    - **Hemispherical Active Expeditionary Detect/Defeat System**
    - **F-35**
    - **Health Management System**
    - **LAV Trainers**
  
- **ATE Engineering Services IDIQ – Small Business IDIQ**
  - **Continuing to release tasks**
  - **ATSD had the ceiling raised on the current contract**
  - **Anticipate new contract RFP CY 17 (May)**
    - **ATSD developing new contract for its Directorate (Fire Control), which includes all 5 Divisions**

# Picatinny ATSD Army Activity

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## ➤ **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**
- **PM Cargo**

## ➤ **Other**

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

