



NDIA ATC Army Liaison Report

March 29, 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**
- **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

- **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



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

- **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

➤ 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.

- **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

- **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

➤ **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**

