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
Leader Change
Organization Change
Force Projection – Organization/Leadership Changes

- 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)

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
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
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