Agenda

- Office of Assistant Secretary of the Army
- U.S. Army’s Rapid Capabilities Office
- PEO Ground Combat Systems (GCS)
  - Organization
  - Armored Multi-Purpose Vehicle (AMPV)
  - GCS Platform Modernization
- PEO Combat Support & Combat Service Support (CS&CSS)
  - Organization
  - Portfolio
  - Joint Light Tactical Vehicle (JLTV)
  - Test Measurement & Diagnostic Equipment (TMDE)
    - Portfolio
    - Next Generation Automatic Test System (NGATS)
    - NGATS Shelters
    - Acquisitions
- Picatinny Automatic Test System Division (ATSD)
  - Acquisitions
  - Activity
Office of the Assistant Secretary of the Army

(Leadership Change)

As of 08/04/16

Hon. Katrina McFarland
Acting ASA(ALT)
AAE & SPE
SAAL-ZA

LTG Gustave Perna
Deputy Chief of Staff
G-4 Logistics

LTG Robert Ferrell
Chief Information Officer
G-6

LTG Michael Williamson
Principal Military Deputy DACM
CIO
SAAL-ZB

Ms. Steffanie Easter
Principal Deputy
SAAL-ZX

SGM Rory Malloy
Sergeant Major
SAAL-ZB

Mr. Christopher Lowman
DASA
Acquisition Policy
& Logistics
SAAL-ZT

Ms. Ann Cataldo
DASA Defense
Exports & Cooperation
SAAL-ZN

Vacant
DASA Plans, Programs
& Resources
SAAL-ZR

Mr. James Shields
PEO
Ammunition

BG Bob Marlon
PEO Aviation

Mr. Gary Martin
PEO
C3T

Mr. Scott Davis
PEO
CS & CSS

Dr. Thomas Russell (acting)
DASA
Research & Technology
SAAL-ZT

Mr. Harry Hallock
DASA Procurement
SAAL-ZP

MG L. Neil Thurgood
Deputy for Acquisition
& Systems Management
SAAL-ZS

Ms. Terry Watson (acting)
PEO
EIS

BG David Bassett
PEO
GCS

MG Kirk Vollmecke
PEO
IEW&S

Mr. Barry Pike
PEO
Missiles & Space

Mr. Doug Willsie
Executive Director
SOS&E
SAAL-SSI

BG Brian Cummings
PEO
Soldier

BG William Cole
PEO STRI

Mr. Doug Bryce
JPEO
CBD

Mr. Conrad Whyne
PEO
ACWA

Mr. Craig Speak
Director
USASBC

MG Barbara Holcomb
Commandant
MMRC*

Leadership Change
Leadership Changes

- **Assistant Secretary of the Army**
  - Hon. Katrina McFarland remains Acting ASA (ALT)

- **Principal Deputy**
  - Ms. Steffanie Easter fills vacant position

- **Deputy Assistant Secretary of the Army for Research & Technology**
  - Dr. Thomas Russell (Acting) replaces Ms. Mary Miller

- **Deputy for Acquisition & Systems Management**
  - MG L. Nell Thurgood replaces MG Paul Ostrowski

- **PEO Intelligence, Electronic Warfare and Sensors**
  - MG Kirk Vollmecke replaces Mr. Stephen Kreider

- **PEO Simulation, Training and Instrumentation**
  - BG William Cole replaces MG Jon Maddux

- **Commander Medical Research and Material Command**
  - MG Barbara Holcomb replaces MG Brian Lein
U.S. Army’s Rapid Capabilities Office

The new office will conduct rapid materiel development and delivery efforts to address immediate, near-term, and mid-term Combatant Commanders' needs. It will focus on rapid prototyping and initial equipping of capabilities, beginning with the areas of cyber, electronic warfare, survivability and positioning, navigation and timing (PNT), as well as other priority projects that will enable Soldiers to decisively operate and win in contested environments.

The Rapid Capabilities Office will report to a board of directors led by the Secretary of the Army, and will be led on a day-to-day basis by Rapid Capabilities Office Director Douglas K. Wiltsie. Wiltsie previously served as the Executive Director, System of Systems Engineering and Integration, Office of the Assistant Secretary of the Army (Acquisition, Logistics and Technology), and as the Program Executive Officer for Enterprise Information Systems.
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
- Provides a replacement for M113 Family of Vehicles
- Initial award 52-month base term ~$388M
  - Includes 29 vehicles for testing
- Planned 3-year LRIP contract in 2020, ~289 vehicles
- Currently anticipate 2,897 vehicles @ $3.7M ea., built over 13 years
- The operational maintenance cost requirement of the AMPV is up to $90 per mile, compared to $58 per mile for the M113.
- Currently planning TPS development using NGATS
Ground Combat Systems Modernization

GCS Modernization - Primarily Executed through the ECP Process

- Abrams
  - GDLS upgrade program in 2014, ~$120M
  - Focus on gas mileage, sights and sensors
- Bradley
  - BAE awarded ECP 2 development contract Sep 2012, Field FY17
  - Projected Production: FY16 – 240, FY 17 - 337
- Stryker BCT
  - Phase II award to GDLS  Sep 2013, Field FY18
  - Production: FY16 – 92, FY 17 - 123
- Paladin (PIM Program)
  - BAE Sole Source LRIP contract awarded in FY14
  - FRP FY17, Production Quantities: 580 sets

Major Platform Upgrades Remain a Significant Effort
Force Projection – Organization/Leadership Changes

Summer 2016

LTC Garth Winterle (Outgoing)

LTC Brian Watson (Incoming)

Summer 2016

LTC Christopher Ford (Outgoing)

Mr. Wolfgang Petermann (Incoming)

Summer 2016

Mr. George Mitchell (Outgoing)

Mr. Oral Walker (Incoming)
PEO CS&CSS Portfolio

Expeditionary Energy & Sustainment Systems (E2S2)

- Small Power Sources
  - 2kW Military Tactical Generator (TQG)
  - 3kW Tactical Quiet Generator (TQG)
  - Small Tactical Electrical Power (STEP)
  - 6k BTUH IECU
  - 9k, 15k, 30k, 60k BTUH IECU
  - 120k IECU

- Medium Power Sources
  - 5, 10, 15, 30, 60kW Advanced Medium Mobile Power Sources (AMMPS)
  - 5-60kW Tactical Quiet Generators (TQG)
  - Power Units/Power Plants

- Large Power Sources
  - 100/200kW Tactical Quiet Generators (TQG)
  - 100/200kW Large Advanced Power Sources (LAMPS)
  - Power Distribution Illumination Electrical (PDISE)
  - Intelligent Power Management

- Battery Power Sources
  - Standardization of Batteries

- Force Sustainment Systems
  - Cargo Airdrop Systems
  - Convoys Feeding Systems
  - Field Service Systems
  - Force Provider & Base Camps
  - Shelter Systems & Heaters
  - Mortuary Affairs Equipment

Force Projection Equipment

- Bridging
  - Bridges/Bridge Erection Boats
  - Bridge Transporters
  - M9 Armored Combat Earthmover/Assault Breacher

- Combat Engineer/Material Handling Equipment Systems
  - Container Handling Equipment
  - Loaders
  - Cranes
  - Dozers
  - Excavators

- Petroleum & Water Systems
  - Fueling Systems
  - Water Systems

- Sets, Kits, Outfits & Tools
  - Sets, Kits, Outfits
  - Support Equipment
  - Diversion Equipment
  - Shovel Mounted Sets, Kits & Outfits
  - Shop Set Equipment

- Test, Measurement, & Diagnostic Equipment
  - Integrated Family of Test Equipment (IFTE)
  - Stationary Test Systems
  - Common Embedded Diagnose
  - Calibration Sets
  - IFTE Off Platform Automatic Test Systems
  - Next Generation Automatic Test Station (NGATS)

- Applique & Large Unmanned Ground Vehicles
  - Husky Mounted Detection System (HMDS)
  - Route Clearance & Interrogation System (RCIS)
  - M183 Robotic Light Mine Flail

- Unmanned Ground Vehicles
  - Small Unmanned Ground Vehicle (SUGV) 310
  - Route Reconnaissance and Clearance (RC2)
  - Man Transportable Robotic System (MTRS)
  - Common Robotic System-Individual (CRS-I)
PEO CS&CSS Portfolio
Joint Light Tactical Vehicle

- Oshkosh awarded Production Contract on 25 Aug 2015
  - $6.7B (17,000 vehicles)
  - Procurement thru ~2040, ~55,000 Total
    - Total Program Cost dropped from ~$30B to ~$25B, due to realised savings vs estimates, updates to purchasing profile...
- Army’s first order March 2016 – 657 systems
- May ‘16 Army disclosed JLTV to be used for Light Reconnaissance Vehicle (LRV) rather than new system
TMDE Overview

At-Platform Test Equipment: Maintenance Support Device (MSD), Internal Combustion Engine Kit (ICE, SWICE)

Used by all weapon systems maintainers at Field and Sustainment Levels to perform At platform maintenance.

Off-Platform Test Equipment: BSTF, Next Generation Automatic Test System (NGATS)

Supports repair of Line Replaceable Modules at Field and Sustainment Levels for multiple weapon systems.

General Purpose Electronic Test Equipment Modernization (TEMOD)

Provides Field and Sustainment Level testing of weapon systems operational tolerances.

Calibration Sets (CALSETS): Calibration Instruments & Standards

Performs Sustainment Level calibration / quality assurance for General Purpose Electronic Test Equipment that supports weapon systems.

Innovation for Today and Tomorrow's Expeditionary Forces
Next Generation Automatic Test System

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
Current and Future Major Weapon Systems Supported by an Off Platform Test System

NGATS will be Capable of Supporting Existing and Future Army Platforms

- M1A1
- M1A2 SEP
- M2/3A2 ODS
- M2/3A3
- Apache
- HC2
- M3A2 BFIST
- M3A3
- Stryker
- Spider
- Firefinder
- CREW Duke
- M113A3
- LW155
- Husky HDMS
- M2/3A2
- M2/3A3
- Avenger
- Kiowa Warrior
- BCV A3
- M3A2
- M109A6 (Rehost), M109A7 (New TPSs) Paladin
- Paladin
- NGATS
- 16

TYAD beginning development of TPSs for AN/TPQ-53 Radar.
AMPV Planning on NGATS TPSs.
TMDE Programs –
Next Generation Automatic Test System (NGATS)

• Console/System Integration Full Rate Competition
  – Awarded Sept 2014 to Boeing
• First Article Test Complete Sept 2015
• Army Reliability Test Event
  – October 2016 (Free Standing)
  – January 2017 (Shelter Configuration)
TMDE Programs – NGATS Shelters

- NGATS Shelter (ATE, TPS Shelters)
  - Contract awarded February 2016 to AAR Manufacturing Inc.
  - Currently Producing 2 Set of Shelters (ATS, TPS)
  - Shelter ATP October 2016, delivery December 2016
TMDE Acquisitions – Misc.

- Various General Purpose Electronic Test Equipment Modernization projects (TEMOD) – anticipated FY17 Contract Awards
  - ME-572(U) Ammeter (2QFY17)
  - OS-305/U Oscilloscope (2QFY17)
  - OS-307/U Oscilloscope (2QFY17)
  - TS-4548/P RF Power Meter (2QFY17)
  - TS-4544/U Telecommunications Test Set (3QFY17)

- Multiple Calibration instruments & standards acquisitions

- Maintenance Support Device & SWICE Production
  - MSD-V4 (Rugged) RFP anticipated release 3QFY17
  - MSD-V4 (Light) RFP anticipated release 4QFY17
  - SWICE production ongoing
ATE Engineering Services IDIQ – Large Business IDIQ

- Continuing to release tasks
  - NGATS RF Subsystem
  - Computer Upgrade
  - Acquiring Data
  - Hemispherical Active Expeditionary Detect/Defeat System (HAEDS)
  - F-35
  - Health Management System

ATE Engineering Services IDIQ – Small Business IDIQ

- Continuing to release tasks
- ATSD had the ceiling raised on the current contract
- Anticipate new contract RFP early CY 17
  - 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 PIM
  – CROWS (new variants being developed: Abrams, Paladin, Navy)
  – M777
  – Husky
  – Spider
  – AN/TPQ-53

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