NDIA ATC
Army Liaison Report

26 April 2016

Dennis Hecht
Agenda

• Office of Assistant Secretary of the Army
• 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)
    • Acquisitions
• Picatinny Automatic Test System Division (ATSD)
  – Acquisitions
  – Activity
• FY2017 Army Budget Overview
Office of the Assistant Secretary of the Army

(Acquisition, Logistics and Technology)

Leadership Change

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

Vacant
Principal Deputy
SAAL-ZB

SGM Rory Malloy
Sergeant Major
SAAL-ZB

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

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

Vacant
DASA Plans, Programs & Resources
SAAL-ZR

Mr. James Shields
PEO Ammunition

BG Bob Marion
PEO Aviation

Mr. Gery Martin
PEO C3T

Mr. Scott Davis
PEO CS & CSS

Ms. Mary Miller
DASA Research & Technology
SAAL-ZT

Mr. Harry Hallock
DASA Procurement
SAAL-ZP

MG Paul Ostrowski
Deputy for Acquisition & Systems Management
SAAL-ZS

Ms. Terry Watson (acting)
PEO EIS

BG David Basset
PEO GCS

Mr. Stephen Krieder
PEO EWAS

Mr. Barry Pike
PEO Missiles & Space

Mr. Doug Wittse
Executive Director
SOSSEP
SAAL SSI

Mr. Doug Bryce
JPEO CBD

Mr. Conrad Whyne
PEO ACWA

Mr. Craig Splotak
Director
USAMC

MG Brian Lein
Commander
MMMC

* Deputy for Medical Systems. Receives acquisition oversight but reports to the Surgeon General
Leadership Changes

• Assistant Secretary of the Army
  – Hon. Katrina McFarland (Acting) replaces Hon. Heidi Shyu

• Principal Deputy
  – Mr. Gabriel Camarillo leaving, position vacant

• Deputy Assistant Secretary of the Army for Plans, Programs, and Resources
  – Mr. Tom Mullins leaving, position vacant

• PEO Enterprise Information Systems
  – Ms. Terry Watson (Acting) replaces Mr. Doug Wiltsie

• PEO Missiles & Space
  – Mr. Barry Pike replaces BG Neil Thurgood

• Executive Director Systems Engineering and Integration
  – Mr. Doug Wiltsie replaces Mr. Kevin Fahey

• Joint Program Executive Office for Chemical and Biological Defense
  – Mr. Doug Bryce replaces Mr. Carmen Spencer
Armored Multi-Purpose Vehicle (AMPV)

- AMPV Engineering and Manufacturing Development (EMD) contract awarded to BAE Systems Land & Armaments Dec 23 2014
- 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
- Currently anticipate 2,907 vehicles @ $1.8M ea., built over 13 years
Ground Combat Systems Modernization

GCS Modernization - Primarily Executed through the ECP Process

- Abrams
  - GDLS awarded ECP 1 development contract Sep 2012, Field FY17
  - Projected Production: FY16 – 45, FY 17 - 60

- 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
### Expeditionary Energy & Sustainment Systems (E2S2)

<table>
<thead>
<tr>
<th>Small Power Sources</th>
<th>Medium Power Sources</th>
<th>Large Power Sources</th>
<th>Battery Power Sources</th>
<th>Force Sustainment Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>2kW Military Tactical Generator (TQG)</td>
<td>5, 10, 15, 30, 60kW Advanced Medium Mobile Power Sources (AMMPS)</td>
<td>100/200kW Tactical Quiet Generators (TQG)</td>
<td>Standardization of Batteries</td>
<td>Cargo Airdrop Systems</td>
</tr>
<tr>
<td>3kW Tactical Quiet Generator (TQG)</td>
<td>5-50kW Tactical Quiet Generators (TQG)</td>
<td>100/200kW Large Advanced Power Sources (LAMPS)</td>
<td>Power Distribution</td>
<td>Field Service Systems</td>
</tr>
<tr>
<td>Small Tactical Electrical Power (STEP)</td>
<td>Power Units/Power Plants</td>
<td>Power Distribution Illumination Electrical (PDIE)</td>
<td>Intelligent Power Management</td>
<td>Force Provider &amp; Base Camps</td>
</tr>
<tr>
<td>60K BTUH IECU</td>
<td></td>
<td></td>
<td></td>
<td>Shelter Systems &amp; Heaters</td>
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<tr>
<td>9k, 18K, 36K IECU</td>
<td></td>
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<td></td>
<td>Mortuary Affairs Equipment</td>
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<tr>
<td>120K IECU</td>
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### Force Projection Equipment

<table>
<thead>
<tr>
<th>Bridging</th>
<th>Combat Engineer/Material Handling</th>
<th>Petroleum &amp; Water Systems</th>
<th>Sets, Kits, Outfits &amp; Tools</th>
<th>Test, Measurement, &amp; Diagnostic Equipment</th>
<th>Applique &amp; Large Unmanned Ground</th>
<th>Unmanned Ground Vehicles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridges / Bridge Erection Boat</td>
<td>Container Handling Equipment</td>
<td>Fueling Systems</td>
<td>Sets, Kits &amp; Outfits</td>
<td>Integrated Family of Test Equipment (IFTE)</td>
<td>Husky Mounted Detection System (HMDS)</td>
<td>Small Unmanned Ground Vehicle (SUGV) 310</td>
</tr>
<tr>
<td>Bridge Transporters</td>
<td>Loaders</td>
<td>Water Systems</td>
<td>Engineer Combat Support Eq</td>
<td>At Platform Test Systems &amp; Common Embedded Dig</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M9 Armored Combat Earthmover/Assault Breacher</td>
<td>Cranes</td>
<td>Diving Equipment</td>
<td>Diving Equipment</td>
<td>Common Calibration Sets</td>
<td>Route Clearance &amp; Interrogation System (RCIS)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dozers</td>
<td>Shovel Mounted Sets, Kits &amp; Outfits</td>
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<tr>
<td></td>
<td>Excavators</td>
<td>Shop Set Equipment</td>
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### General Purpose Electronic Test Equipment (GPETE)

- Maintenance Support Vehicle (MSV-VS)
- Next Generation Automatic Test Station (NGATS)

### Other Items

- M160 Robotic Light Mine Flail
- Small Unmanned Ground Vehicle (SUGV) 310
- Route Reconnaissance and Clearance (R2C)
- Man Transportable Robotic System (MTRS)
- Common Robotic System-Individual (CRS-I)
PEO CS&CSS Portfolio

Joint Light Tactical Vehicles

Mine Resistant Ambush Protected Vehicles

Transportation Systems

- Heavy Expanded Mobility Tactical Truck (HEMTT)
- M915 Family of Vehicles & Trailers
- Heavy Equipment Transport (HETS)
- Container Handling Unit (CHU)
- Palletized Load System (PLS)

- Family of Medium Tactical Vehicles (FMTV)
- Tractor Trailer
- HMMWV Family of Vehicles
- UAH Safety Enhancements
- HEAT Trailer

- Mobile Strike Force Vehicle (MSFV)
- Light Tactical Vehicles (LTV)
- Medium Tactical Vehicles (MTV)
- Sport-Utility Vehicles (SUV)
- Buses

- 115 Ton Barge Derrick (BD)
- Landing Craft Mechanized (LCM 8) Mod II
- Landing Craft Utility (LCU) 2000
- Tugs (Large (LT) & Small (ST))
- Logistics Support Vessel (LSV)
- Roll-on/Roll-off Discharge Facility (RRDF)
- Floating Causeway (FC)
- Modular Wargaming Tug (MWT)
- Causeway Ferry (CF)
- Barge Fueler (BF)
Joint Light Tactical Vehicle

- 27-month FFP EMD Contracts, 22 Aug 2012
  - AM General: $64.5M
  - LM: $66.5M
  - Oshkosh: $56.4M
- EMD Prototypes (22 ea.) delivered Aug 2013 for testing
- Oshkosh awarded Production Contract on 25 Aug 2015
  - $6.7B (17,000 vehicles)
  - Procurement thru ~2040, ~55,000 Total vehicles (~$30B)
- GAO denies LM protest in December 2015
- Army’s first order March 2016 – 657 systems
TMDE Overview

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

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

General Purpose Electronic Test Equipment Modernization (TEMOD)

Calibration Sets (CALSETS): Calibration Instruments & Standards

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

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

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

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

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 186 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
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
  - Anticipate September 2016 (Free Standing)
  - Anticipate January 2017 (Shelter Configuration)
TMDE Acquisitions – NGATS Shelters

• NGATS Shelter Competition (ATE, TPS Shelters)
  – Contract awarded February 2016 to AAR Manufacturing Inc.
  – Currently Producing 1 Set of Shelters (ATS, TPS)
  – Anticipated Shelter ATP October 2016
### TMDE Acquisitions – Misc.

- Various General Purpose Electronic Test Equipment Modernization projects (TEMOD) – anticipated FY16 Contract Awards
  - ME-572(U) Ammeter (2QFY16)
  - OS-305/U Oscilloscope (2QFY16)
  - OS-307/U Oscilloscope (2QFY16)
  - TS-4548/P RF Power Meter (2QFY16)
  - TS-4544/U Telecommunications Test Set (3QFY16)

- Multiple Calibration instruments & standards acquisitions

- Maintenance Support Device & SWICE Production
  - MSD-V4 (Rugged) RFP anticipated release 2QFY16
  - MSD-V4 (Light) RFP anticipated release 4QFY16
  - SWICE production ongoing
Picatinny ATSD Acquisitions – ATE Engineering Services IDIQ

• ATE Engineering Services IDIQ – Large Business IDIQ
  – Continuing to release tasks

• ATE Engineering Services IDIQ – Small Business IDIQ
  – Continuing to release tasks
  – Approaching current ceiling
  – Anticipate new contract RFP early CY 16
Picatinny ATSD Activity

• Current NGATS TPS rehost/development activity
  – Abrams/Bradley (all variants)
  – STRYKER (all variants)
  – STRYKER MGS
  – CREW DUKE/THOR
  – FireFinder
  – Paladin PIM
  – CROWS
  – M777
  – Husky
  – Spider

• Other
  – Army Field level maintenance study in-process
Global instability in the face of continued fiscal pressures requires leveraging OCO flexibility to meet requirements.

Source: DoD Comptroller Information System
## Top Procurement Quantities

<table>
<thead>
<tr>
<th>Program ($200M+)</th>
<th>Quantities</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY16</td>
</tr>
<tr>
<td>AH-64E Apache Remanufacture</td>
<td>64</td>
</tr>
<tr>
<td>UH-60M Black Hawk</td>
<td>107</td>
</tr>
<tr>
<td>Joint Light Tactical Vehicle</td>
<td>686</td>
</tr>
<tr>
<td>CH-47F Chinook</td>
<td>39</td>
</tr>
<tr>
<td>M1 Abrams Tank (MOD) ECP 1A</td>
<td>45</td>
</tr>
<tr>
<td>Paladin Integrated Management</td>
<td>30</td>
</tr>
<tr>
<td>Stryker Upgrade</td>
<td>92</td>
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<tr>
<td>PAC-3 Missle Segment Enhancement</td>
<td>112</td>
</tr>
<tr>
<td>Counterfire Radar</td>
<td>13</td>
</tr>
<tr>
<td>WIN-T Increment 2</td>
<td>Multiple Config. Items</td>
</tr>
<tr>
<td>Bradley Program (MOD) ECP 1&amp; 2</td>
<td>240</td>
</tr>
<tr>
<td>DCGS-A Increment 1</td>
<td>2,087</td>
</tr>
<tr>
<td>Handheld Manpack Small Form Fit Radios</td>
<td>-</td>
</tr>
<tr>
<td>Family of Medium Tactical Vehicles</td>
<td>166</td>
</tr>
<tr>
<td>IAMD Battle Command System</td>
<td>-</td>
</tr>
</tbody>
</table>

*An additional 4 AH-64E Block IIIA aircraft requested in OCO funding as Combat Loss Replacements*
CONCLUSION

- The Army’s number one priority is readiness.
- Current funding levels constrain the Army’s ability to achieve the desired balance between near term readiness for the current environment, and long term modernization required for future security challenges.
- We cannot equip and sustain the entire force with today’s most modern equipment and we risk going to war with insufficient readiness.
- Near Term. Builds operational readiness for potential major combat operations while also ensuring deploying units are ready for ongoing contingency operations.
- Long Term. Suppressed defense budgets do not reflect the current global security environment and the velocity of change that requires the Army to be ready now and tomorrow for unforeseen threats to US national security requiring the military instrument of power.
- Sequestration returns in FY18, jeopardizing the Army’s ability to support the National Military Strategy

Support of the President’s Budget moderates the risks of current threats to US National Security