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 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
  - Programs
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
- Potential $1.2B EMD and Low Rate initial Production
- Currently anticipate 2,897 vehicles
Ground Combat Systems Modernization

GCS Modernization - Primarily Executed through the ECP Process

- Abrams
  - GDLS awarded ECP 1 development contract Sep 2012
  - Fielding scheduled for FY17
- Bradley
  - ECP 1 production contract awarded
  - BAE awarded ECP 2 development contract Sep 2012
  - ECP 2 fielding scheduled for FY17
- Stryker BCT
  - On 14 Mar 2013, the Army Systems Acquisition Requirements Council (ASARC) approved ECP R&D Phase II
  - Phase II award to GDLS  Sep 13
  - ECP Production  FY18
- Paladin SPHS (PIM Program)
  - BAE Sole Source LRIP contract awarded in FY14
  - FRP  FY17, Production Quantities: 580 sets
## PEO CS&CSS Portfolio

### 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 (TGG)</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>5-60kW Tactical Quiet Generators (TQG)</td>
<td>100/200kW Large Advanced Power Sources (LAMPS)</td>
<td>Power Distribution Illumination Electrical (PDIE)</td>
<td>Comfort Feeding 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>Field Service Systems</td>
</tr>
<tr>
<td>60k BTUH IECU</td>
<td>9k, 15k, 35k IECU</td>
<td></td>
<td></td>
<td>Force Provider &amp; Base Camps</td>
</tr>
<tr>
<td>9k, 15k, 35k IECU</td>
<td>120k IECU</td>
<td></td>
<td></td>
<td>Shelter Systems &amp; Heaters</td>
</tr>
<tr>
<td>120k IECU</td>
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<td>Mortuary Affairs Equipment</td>
</tr>
</tbody>
</table>

### Force Projection Equipment

<table>
<thead>
<tr>
<th>Bridging</th>
<th>Combat Engineering/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>Fueling Systems</td>
<td>Integrated Family of Test Equipment (FITES)</td>
<td>Husky Mounted Detection System (HMDS)</td>
<td>Small Unmanned Ground Vehicle (SUGV)</td>
</tr>
<tr>
<td>Bridge Transports</td>
<td>Loaders &amp; Cranes</td>
<td>Water Systems</td>
<td>Motorized Sets, Kits &amp; Outfits</td>
<td>Common Embedded Diagnostic &amp; Calibration Devices</td>
<td>Route Clearance &amp; Interrogation System (RCS)</td>
<td>Route Reconnaissance and Clearance (RRC)</td>
</tr>
<tr>
<td>M9 Armored Combat Engineering/Assault Breacher</td>
<td>Dozers &amp; Excavators</td>
<td></td>
<td>Shop Set Equipment</td>
<td></td>
<td></td>
<td>Man Transportable Robotic System (MTRS)</td>
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<td></td>
<td>Common Robotic System-Individual (CRS-I)</td>
</tr>
</tbody>
</table>

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PEO CS&CSS Portfolio

Joint Light Tactical Vehicles

Mine Resistant Ambush Protected Vehicles

Transportation Systems

Heavy Tactical Vehicles

Medium Tactical Vehicles

Light Tactical Vehicles

Allied Tactical Vehicles

Army Watercraft Systems
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)

• LM protest September 2015
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 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

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.

Description:

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 RFP released May 2015
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
- M2/3A2 ODS
- M2/3A3
- Apache
- DAGR
- Husky HDMS
- M109A6 (Rehost), M109A7 (New TPSs)
- Paladin
- CROWS
- Avenger
- BCV ODS BCV A3
- Kiowa Warrior
- M2/3A2
- M3A2
- M3A3 BFIST
- Stryker
- Spider
- CREW Duke
- Firefinder
- LW155
- M113A3
- Update

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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 March 2016 (Free Standing)
  – Anticipate October 2016 (Shelter Configuration)
TMDE Acquisitions – NGATS Shelters

- NGATS Shelter competition (ATE, TPS Shelters)
  - RFP closed 31 Jul 2015
  - Anticipate contract award Jan 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