Program Executive Officer
Combat Support & Combat Service Support

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Program Executive Officer
Combat Support & Combat Service Support

PEO CS&CSS

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## Mission

Lead an innovative, disciplined lifecycle management team that enables America’s warfighters by unburdening Soldiers in the field and constantly providing and improving the integrated, combat-enabling systems they need to dominate the full spectrum of Joint and Unified Land Operations.

## Vision

An accomplished, professional acquisition team delivering effective, affordable combat-enabling capabilities before the point of need.

## Priorities

1. Effective Program Management Supporting America’s Warfighters
2. A Constructive Organizational Climate
3. Workforce Development and Shaping
4. Portfolio View of Fleet Management
5. Informing Requirements to Support Army Transformation (2025)

## Magnitude

- $2 billion Annual Budget ($13B POM FY17-21)
- 1,555 Teammates in 4 States
- 20,000 Systems Fielded in FY15
- 124 Actively Managed Programs
- Major Role in Force 2025 & Beyond
Strategic Context

- The Army is transitioning
  - To a leaner, more expeditionary force...
  - ...with fewer available resources
- The TWV fleet today
  - Relatively low fleet ages after a decade of investment
- The AWS fleet today
  - Aging platforms needed for a more expeditionary Army
- How do we “equip” readiness for an uncertain future?
  - Improve synchronization and fleet-wide strategy decisions

Approximate Size of Fleet

<table>
<thead>
<tr>
<th>MRAP</th>
<th>JLTV</th>
<th>HMMWV</th>
<th>FMTV</th>
<th>FHTV</th>
<th>MRAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 yrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Heavy</td>
<td></td>
<td>8 yrs</td>
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<tr>
<td>Medium</td>
<td></td>
<td>9 yrs</td>
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<tr>
<td>Light Future</td>
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<tr>
<td>Light Today</td>
<td></td>
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<td>8 yrs</td>
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</tbody>
</table>

Requirements

Resources

Program Management

Sustainment

April 2016
The TWV Road Ahead

Contingency Operations
- Improved Protection
- Reduced Fleet Ages

Force 2025 & Beyond
- Balance mobility and performance
- Autonomy-enabled capabilities

Focus areas:
- Operational requirements
- Right size & capability mixes
- Cost-informed trades
- Affordability across the lifecycle

We must maximize the capability gained for every dollar invested.
Autonomy Enabled Capabilities

- Exploring series of capabilities to improve Soldier safety and throughput
- Begins with “driver assist” and framing operational concepts & requirements
- Architecture able to link unmanned “followers” to a Soldier-operated “leader”

Provides Leader Follower Unmanned Capability to the PLS A1 Vehicle
Portfolio Focus Areas

The weight of effort will continue to fall on incremental modernization.

Need to understand what technologies are affordable and achievable now to meet requirements and improve mobility performance, protection, affordability, reliability, efficiency, etc..
Questions?

- Tactical Vehicles
- Force Sustainment Systems
- Construction Equipment
- Test & Diagnostic Equipment
- Petroleum & Water Systems
- Mobile Electric Power
- Watercraft Systems
- Inflatable Boats & Motors
- Causeways
- Bridging Systems
- Diving Equipment
- MRAP Vehicles
## 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>• Small Tactical Electrical Power (STEP)</td>
<td>• 5-60kW Tactical Quiet Generators (TQG)</td>
<td>• 100/200kW Large Advanced Power Sources (LAMPS)</td>
<td></td>
<td>• Combat Feeding Systems</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Power Distribution Illumination Electrical (PDISE)</td>
<td></td>
<td>• Field Service Systems</td>
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<tr>
<td></td>
<td></td>
<td>• Intelligent Power Management</td>
<td></td>
<td>• Force Provider &amp; Base Camps</td>
</tr>
</tbody>
</table>

### Force Projection Equipment

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

#### Combat Engineer/Material Handling Equipment
- Container Handling Equipment
- Loaders
- Frames
- Dozers
- Excavators

#### Petroleum & Water Systems
- Fueling Systems
- Water Systems

#### Sets, Kits, Outfits & Tools
- Sets, Kits & Outfits
- Engineer Combat Support Equipment (CSE)
- Shelter Mounted Sets, Kits & Outfits
- Shop Set Equipment

#### Test, Measurement, & Diagnostic Equipment
- Integrated Family of Test Equipment (IFTE) At Platform Test Systems
- Common Embedded Diag.
- Calibration Sets (CALSETS)
- IFTE Off Platform Automatic Test Systems
- General Purpose Electronic Test Equipment (GPETE)
- Maintainence Support Device (MSO-VJ)
- Next Generation Automatic Test Station (NGATS)

#### Applique & Large Unmanned Ground Systems
- Husky Mounted Detection System (HMDS)
- Route Clearance & Interrogation System (RCIS)
- M160 Robotic Light Mine Flail

#### Unmanned Ground Vehicles
- Small Unmanned Ground Vehicle (SUGV) 310
- Route Reconnaissance and Clearance (RRC) 310
- Man Transportable Robotic System (MTRS)
- Common Robotic System-Individual (CRS-I)
### Joint Light Tactical Vehicles

- MATV UIK
- MaxxPro Dash ISS
- MaxxPro LWB Ambulance
- Buffalo
- Mine Clearance Vehicle (MCV)
- Explosive Hazard Pre-detonation
- Husky (Vehicle Mounted Mine Detector [VMMD])
- MMPV Type II (RG31)
- MMPV Type I (Panther)

### Mine Resistant Ambush Protected Vehicles

- MATV UIK
- MaxxPro Dash ISS
- MaxxPro LWB Ambulance
- Buffalo
- Mine Clearance Vehicle (MCV)
- Explosive Hazard Pre-detonation
- Husky (Vehicle Mounted Mine Detector [VMMD])
- MMPV Type II (RG31)
- MMPV Type I (Panther)

### Assured Mobility Systems

- Buffalo
- Mine Clearance Vehicle (MCV)
- Explosive Hazard Pre-detonation
- Husky (Vehicle Mounted Mine Detector [VMMD])
- MMPV Type II (RG31)
- MMPV Type I (Panther)

### Transportation Systems

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

#### Medium Tactical Vehicles
- Family of Medium Tactical Vehicles (FMTV)
- Tractor Trailer
- HMMWV Family of Vehicles
- UHAI Safety Enhancements
- HEAT Trainer

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

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

#### Army Watercraft Systems
- 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 Warping Tug (MWT)
- Causeway Ferry (CF)
- Barge Fueler (BG)