



U.S. ARMY



# PEO CS&CSS

MR. SCOTT DAVIS (SES)  
Program Executive Officer  
Combat Support & Combat Service Support

April 2016



# 2016 PEO CS&CSS Overview

## 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.

## 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



## 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)





# Organization

**Program Executive Officer**  
Mr. Scott Davis



**(Acting) Deputy PEO**  
Mr. Michael Cadieux



**Force Projection**  
PM: Mr. Bryan McVeigh  
DPM: Mr. Steve Roberts

**PdM Bridging**  
LTC Jeff Biggans

**PdM Combat Engineer/Material Handling Equipment**  
(Acting) MAJ Thomas Cray

**PdM Petroleum & Water Systems**  
LTC Craig Fournier

**PdM Sets, Kits, Outfits & Tools**  
LTC Christopher Ford

**PD Test, Measurement, & Diagnostic Equipment**  
Mr. George Mitchell

**PdM Appliqué & Large Unmanned Ground Systems**  
LTC Cory Berg

**PdM Unmanned Ground Vehicles**  
Mr. Louis Anulare

**Robotics Logistic Support Center**  
Ms. Michelle Link



**Expeditionary Energy & Sustainment Systems**  
PM: COL Maurice Stewart  
DPM: Mr. Paul Richard

**PdM Small Expeditionary Power Sources**  
Mr. Mark Corzine

**PdM Mobile Electric Power Systems**  
LTC Senodja Sundiata-Walker

**PdM Force Sustainment Systems**  
LTC Frank Moore

**PD Battery Power Sources**  
(Acting) Mr. Oral Walker

**PD Contingency Basing Infrastructure**  
Ms. Kathy Lytle



**Joint Program Office  
Joint Light Tactical Vehicle**  
PM: COL Shane Fullmer  
DPM: Mr. Mike Sprang  
DPM-USMC: Mr. Andrew Rodgers

**PdM JLTV Test**  
LTC Misty Martin

**PdM Vehicle Systems**  
LtCol John Gutierrez

**PdM Systems Integrations**  
(Acting) Mr. Scott Doudna



**Mine Resistant Ambush Protected Vehicles**  
PM: COL Jason Craft  
DPM: Mr. Michael Loos

**PdM Vehicle Systems**  
LTC Joel Franklin

**PdM Assured Mobility Systems**  
Mr. Mark McCoy



**Transportation Systems**  
PM: COL Dan Furber  
DPM: Ms. Pat Plotkowski

**PdM Medium Tactical Vehicles**  
LTC Frank Bridges

**PdM Heavy Tactical Vehicles**  
Mr. Wolfgang Petermann

**PdM Allied Tactical Vehicles**  
LTC John Hall

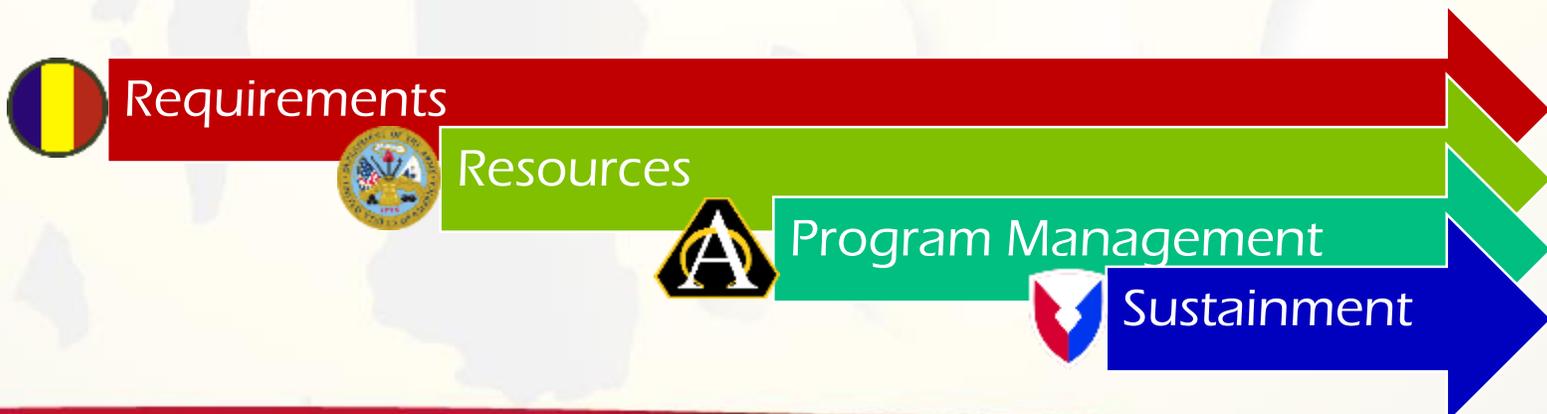
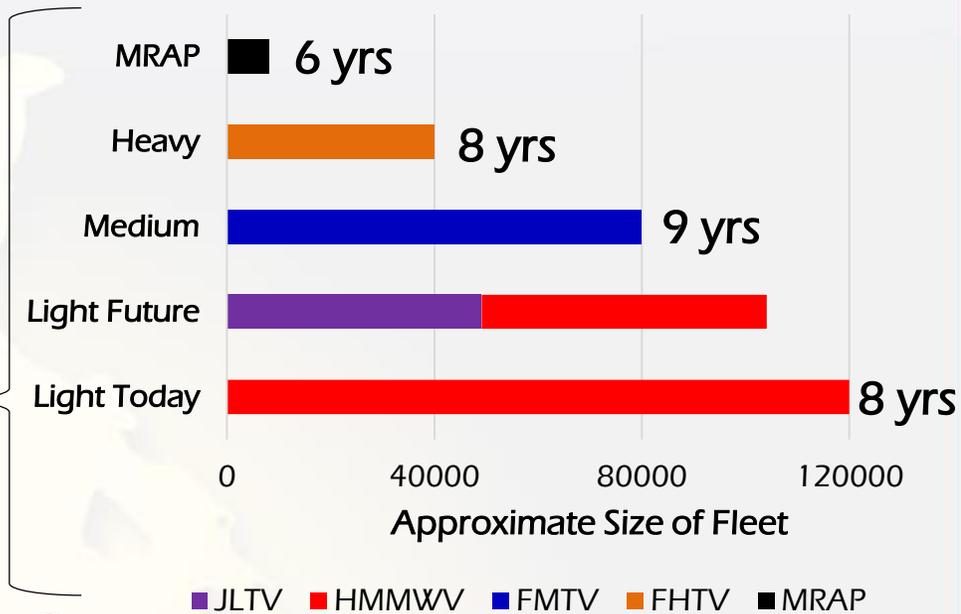
**PD Army Watercraft Systems**  
Ms. Zina Kozak-Zachary

**PD Light Tactical Vehicles**  
Mr. Steven Rienstra

**PL Ground Maneuver Vehicle**  
(Acting) LTC Garth Winterle

# 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





# The TWV Road Ahead

## Contingency Operations

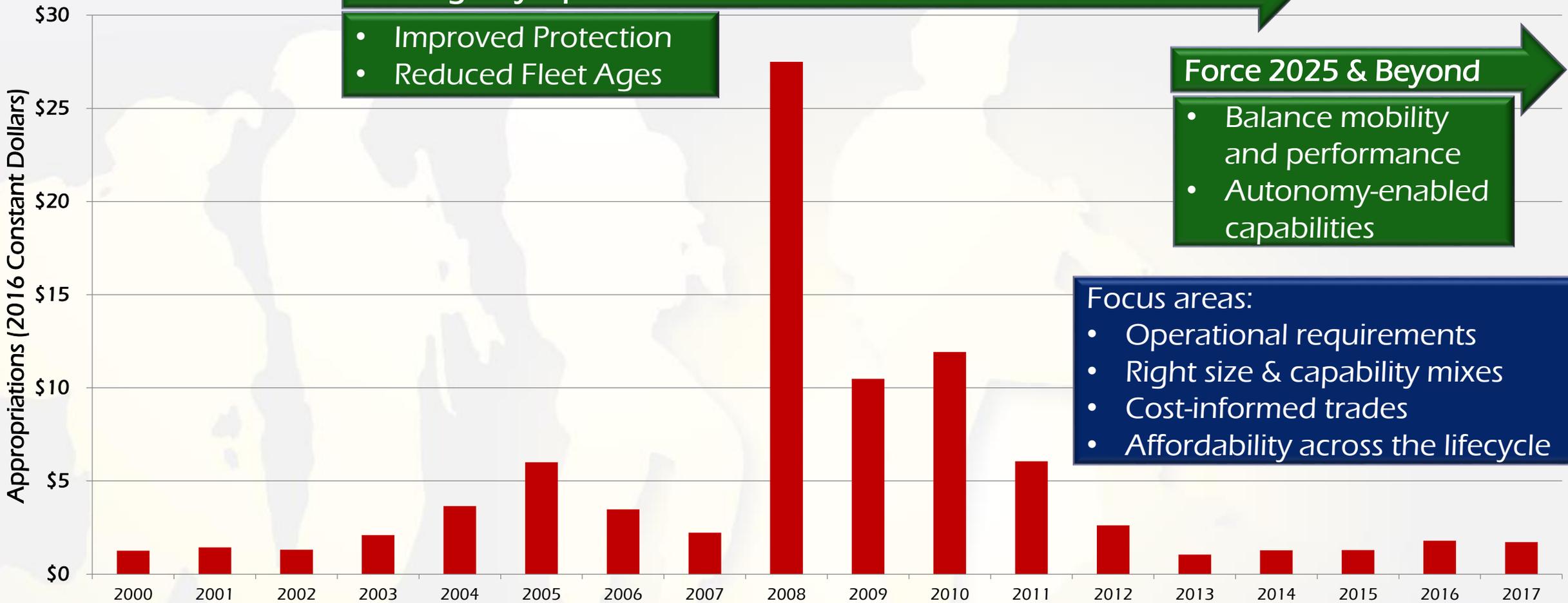
- Improved Protection
- Reduced Fleet Ages

## 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



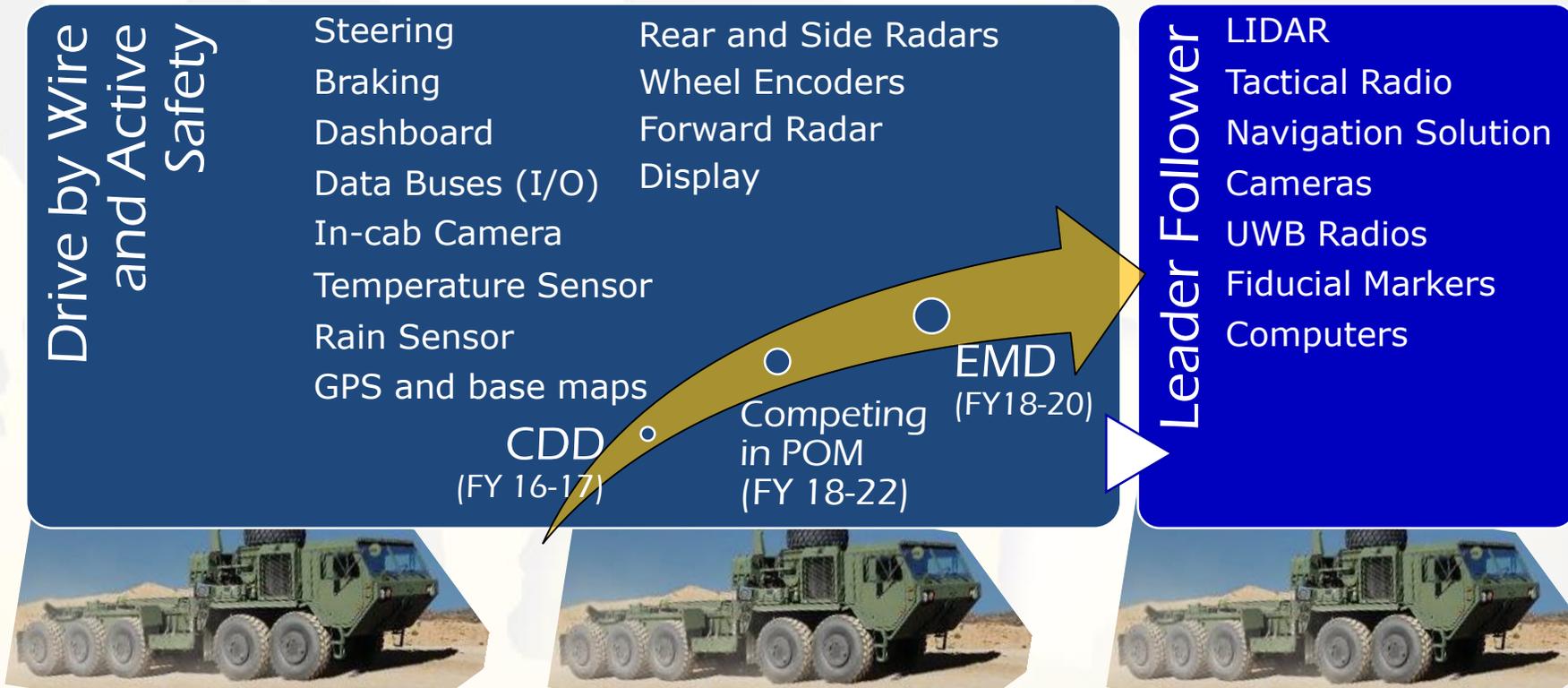
Army TWV Portfolio Funding (Fiscal Years 2000-2017)

**We must maximize the capability gained for every dollar invested.**



# Autonomy Enabled Capabilities

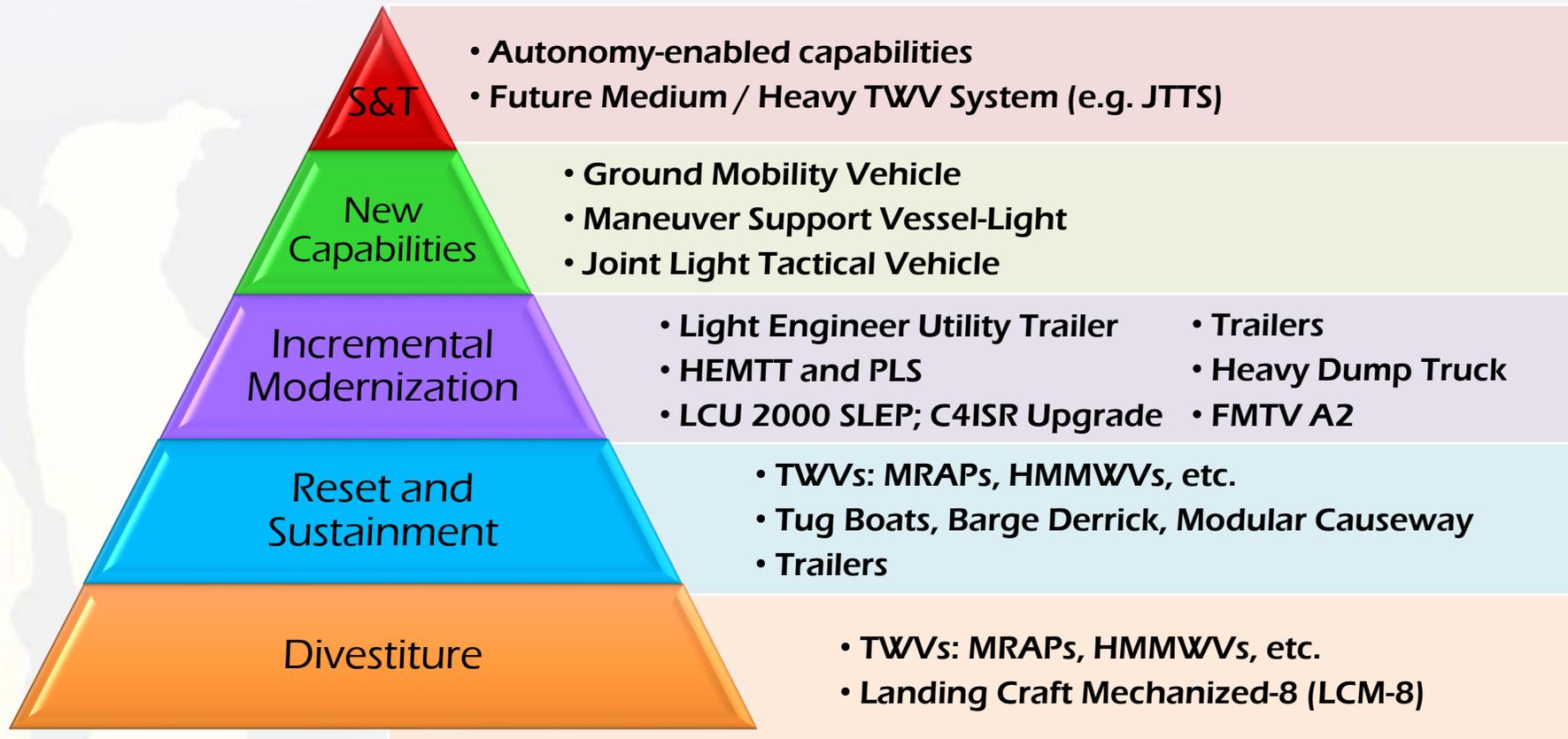
- Exploring series of capabilities to improve Soldier safety and throughput
- Begins with “driver assist” and framing operational concepts & requirements
- Architecture able to link unmanned “followers” to a Soldier-operated “leader”



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



MRAP Vehicles



Force Sustainment Systems



Construction Equipment



Test & Diagnostic Equipment



Petroleum & Water Systems



Mobile Electric Power



Bridging Systems



Watercraft Systems



Inflatable Boats & Motors

Causeways



Diving Equipment



# PEO CS&CSS Portfolio

## Expeditionary Energy & Sustainment Systems (E2S2)

Small Power Sources	Medium Power Sources	Large Power Sources	Battery Power Sources	Force Sustainment Systems
 <ul style="list-style-type: none"> <li>• 2kW Military Tactical Generator</li> <li>• 3kW Tactical Quiet Generator (TOG)</li> <li>• Small Tactical Electrical Power (STEP)</li> <li>• 60K BTUH IECU</li> <li>• 9K, 18K, 36K IECU</li> <li>• 120K IECU</li> </ul>	 <ul style="list-style-type: none"> <li>• 5, 10, 15, 30, 60kW Advanced Medium Mobile Power Sources (AMMPS)</li> <li>• 5-60kW Tactical Quiet Generators (TOG)</li> <li>• Power Units/Power Plants</li> </ul>	 <ul style="list-style-type: none"> <li>• 100/200kW Tactical Quiet Generators (TOG)</li> <li>• 100/200kW Large Advanced Power Sources (LAMPS)</li> <li>• Power Distribution Illumination Electrical (PDISE)</li> <li>• Intelligent Power Management</li> </ul>	 <ul style="list-style-type: none"> <li>• Standardization of Batteries</li> </ul>	 <ul style="list-style-type: none"> <li>• Cargo Airdrop Systems</li> <li>• Combat Feeding Systems</li> <li>• Field Service Systems</li> <li>• Force Provider &amp; Base Camps</li> <li>• Shelter Systems &amp; Heaters</li> <li>• Mortuary Affairs Equipment</li> </ul>

## Force Projection Equipment

Bridging	Combat Engineer/Material Handling Equipment	Petroleum & Water Systems	Sets, Kits, Outfits & Tools	Test, Measurement, & Diagnostic Equipment	Appliqué & Large Unmanned Ground Systems	Unmanned Ground Vehicles
 <ul style="list-style-type: none"> <li>• Bridges / Bridge Erection Boat</li> <li>• Bridge Transporters</li> <li>• M9 Armored Combat Earthmover/Assault Breacher</li> </ul>	 <ul style="list-style-type: none"> <li>• Container Handling Equipment</li> <li>• Loaders</li> <li>• Cranes</li> <li>• Dozers</li> <li>• Excavators</li> </ul>	 <ul style="list-style-type: none"> <li>• Fueling Systems</li> <li>• Water Systems</li> </ul>	 <ul style="list-style-type: none"> <li>• Sets, Kits &amp; Outfits</li> <li>• Engineer Combat Support Equipment</li> <li>• Diving Equipment</li> <li>• Shelter Mounted Sets, Kits &amp; Outfits</li> <li>• Shop Set Equipment</li> </ul>	 <ul style="list-style-type: none"> <li>• Integrated Family of Test Equipment (IFTE) At Platform Test Systems</li> <li>• Common Embedded Diagnostic Calibration Sets (CALSETS)</li> <li>• IFTE Off Platform Automatic Test Systems</li> <li>• General Purpose Electronic Test Equipment (GPETE)</li> <li>• Maintenance Support Device (MSD-V3)</li> <li>• Next Generation Automatic Test Station (NGATS)</li> </ul>	 <ul style="list-style-type: none"> <li>• Husky Mounted Detection System (HMDS)</li> <li>• Route Clearance &amp; Interrogation System (RCIS)</li> <li>• M160 Robotic Light Mine Flail</li> </ul>	 <ul style="list-style-type: none"> <li>• Small Unmanned Ground Vehicle (SUGV) 310</li> <li>• Route Reconnaissance and Clearance (R2C)</li> <li>• Man Transportable Robotic System (MTRS)</li> <li>• Common Robotic System-Individual (CRS-I)</li> </ul>





# PEO CS&CSS Portfolio (cont.)

## Joint Light Tactical Vehicles



Joint Light Tactical Vehicle



## Mine Resistant Ambush Protected Vehicles

Mine Resistant Ambush Protected Vehicles



- MATV UIK
- MaxxPro Dash ISS
- MaxxPro LWB Ambulance

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

Light Tactical Vehicles



- HMMWV Family of Vehicles
- UAH Safety Enhancements
- HEAT Trainer

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 Warring Tug (MWT)
- Causeway Ferry (CF)
- Barge Fueller (BG)

