Army Transportation
“Looking Ahead”

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Opening Remarks

Overview - Army Transportation Portfolio Capabilities

Overview - President's Budget FY2017 for Transportation Portfolio Capabilities

Overview - Long-range Investment Requirements Analysis (LIRA) process

Overview - Future challenges for Light Tactical Vehicles

Summary Remarks
1. **Light Tactical Vehicles**
   - Joint Light Tactical Vehicle and Trailer
   - High Mobility Multipurpose Wheeled Vehicle and Trailer
   - Light Engineer Utility Trailer

2. **Medium Tactical Vehicles**
   - Family of Medium Tactical Vehicle and Trailer

3. **Heavy Tactical Vehicles**
   - Heavy Equipment Transporter Systems
   - Heavy Dump Truck
   - Heavy Equipment Enablers (CROP, CHU, PLS Trailer)
   - Automated Convoys Operations (ACO)
   - Heavy Expanded Mobility Tactical Truck
   - Heavy Tactical Trailers
   - Line Haul
   - Palletized Load System

4. **Armor Protection Kits**
   - Heavy and Medium Protection Kits

5. **Mine Resistant Ambush Protected Vehicles**
   - Mine Resistant Ambush Protected Vehicle

6. **Army Watercraft Systems**
   - Logistics Support Vessel
   - Landing Craft, Utility
   - Maneuver Support Vessels
   - Tugs
   - Modular Causeway System

7. **Emerging**
   - **TWV Autonomy:**
     - Active Safety ECPs
     - Leader Follower (LF)
     - Automated Convoy Operations (ACO)
   - **Joint Tactical Transportation System (JTTS)**
     - FMTV
     - HVT
President’s Budget FY2017 Key Investments:

- Funds Low Rate Initial Production and begins Full Rate Production for Joint Light Tactical Vehicles.
- Develops and begins procurement of Maneuver Support Vessel (Light).
- Procures Type I and Type II Light Engineer Utility Trailer for engineer formations.
- Develops and begins procurement of Heavy Dump Trucks.
- Procures remaining Palletized Load System trailer requirement.
- Modernizes semi-trailers for the heavy fleet.
- Procures armor protection kits for family of medium and heavy tactical vehicles.
President's Budget 2017
Tactical Wheeled Vehicle Modernization Strategy

Transportation Portfolio: Tactical Wheeled Vehicles

Near (Budget Year FY 2017-FY21)

- Light Tactical Vehicles
  - HMMWV Recap
  - JLTV

- Medium Tactical Vehicles
  - FMTV
  - HEMTT

- Heavy Tactical Vehicles
  - PLS
  - M915
  - Dump Truck

- MRAP
- Crew & Cargo Protection Kits
  - MRAP

Far (FY 2023 - FY 2031)

- Sustainment
- Recap/Procurement
- Procurement
- SS
- EE
- Recap
- JTTS R&D&E

Symbols:
- Upgrade
- New Start
- Divestment
- Decision Point
- IOC / FOC
- Transition IPT
- RDTE Procure
- Sustain EUL Risk
Transportation Portfolio: **Watercraft Systems**

**Near (Budget Year FY 2017-FY21)**
- LSV: Sustainment
- LCU: LCU C4ISR Upgrades, LCU SLEP, Sustainment
- LCM/MSV-L: MSV-L RDT&E, Sustainment
- Small/Large Tug: Sustainment
- Barge Derrick: Sustainment
- Modular Causeway System: Sustainment

**Far (FY 2023 – FY 2031)**
- Future MSV-H
- Future MSV-M
- Future Medium Tug

**FY 17**
- Upgrade
- New Start
- Divestment
- Decision Point
- IOC/FOC

**FY 22**
- RDTE
- Procure
- Sustain EUL Risk
**Task:** Examine annually the life-cycle affordability of estimated future materiel requirements, for 30 years, against estimated total obligation authority.

**Future Years Defense Program (FYDP) 5 years**

- FYDP (POM)
- S&T
- RQMTS
- Test

- Conditions Set to allow for Fiscal Resourcing
- to ensure timely Gap mitigation

- Gap Identified - Allowing Cross-PEG Synchronization

- Gap

- As the process matures, LIRA will enable increasingly better cross-Program Evaluation Group (PEG) synchronization on any issues as Situational Awareness increases moving towards the FYDP

- Requirements
  - *Buyer* (e.g., TRADOC, Capabilities Manager, Center of Excellence)

- Solutions
  - *Interim* (e.g., Program Executive Officer (PM), Program Manager (PM))

- Resources
  - *Accounting* (e.g., PEG representatives)

**FYDP + 10 years**

- Extended Planning Period (EPP)

**EPP + 15 years**

**Equipping PEG**
- ASA (ALT) & HODA G-4

**Sustaining PEG**
- ASA (ALT) & HODA G-4

**Training PEG**
- ASA (M&RA) & HODA G-3

**Installations PEG**
- ASA (IE&E) & ACSIM

**Manning PEG**
- ASA (M&RA) & HODA G-1

**Organizing PEG**
- OAA & HODA G-1

**Purpose:** Enable better integration of S&T initiatives, materiel requirements & testing efforts, and synchronization of cross-PEG actions, necessary to (1) ensure fielding of timely, affordable material solutions that mitigate or eliminate anticipated future capability gaps, and (2) support Senior Leader interactions with OSD and the Congress.
How to balance LTV fleet modernization between LTV requirements replaced by JLTV and those NOT replaced by JLTV?
The Transportation Portfolio is essential to conducting Expeditionary Warfare and Joint Combined Arms Maneuver operations as required by the Army Operating Concept (AOC) for FY 2025 and Beyond.

Key investments for FY2017 President’s Budget are funded in accordance with the TWV Strategy.

LIRA process greatly enhances our understanding of future challenges and to ensure proper alignment of limited resources with mission requirements and Army priorities.

LTV Decision Point in FY18 to determine future for portion of HMMWV’s not being replaced by JLTV.