Transportation Systems

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Product Manager
Heavy Tactical Vehicles
(PdM HTV)

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Medium Tactical Vehicles
(PdM MTV)

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Light Tactical Vehicles
(PdD LTV)

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Allied Tactical Vehicles
(PdM ATV)

Ms. Zina Kozak-Zachary
Product Director
Army Watercraft Systems
(PdD AWS)

- Heavy Equipment Transporter System (HETS)
- Line-Haul Tractors
- FMTV trailers
- Light Tactical Trailer

- Palletized Load System (PLS)
- Medium Tactical Vehicles (MTV)
- HMMWV With TOW
- HMMWV Ambulance

- Light Medium Tactical Vehicles (LMTV)
- High Mobility Multipurpose Wheeled Vehicle (HMMWV)
- Mobile Strike Force Vehicle (MSFV)
- Allied Medium Tactical Vehicle (AMTV)

- Heavy Expanded Mobility Tactical Truck (HEMTT)
- FMTV based specialty vehicles
- Sports Utility Vehicle (ASUV)
- Bus

- Landing Craft (Lighters)
- Floating Craft

ACAT 1C
ACAT 1C
ACAT 1C
ACAT III

PM TS-NDIA TWV
26 August 2015
• The current POM has provided opportunities to continue modernization on selected TWV and AWS fleets
  • Maneuver Support Vessel (MSV) Light
  • FMTV
  • LCU SLEP
  • Heavy Dump Truck
  • Trailers (Light Utility Engineering Trailers, M870A4, M172)
  • Ground Mobility Vehicles
• Continue to support Afghanistan National Army and Police missions as we support the sustainment and transfer of mission
  • National Maintenance Support Contract
  • Light Tactical Vehicle Contract
• Explore and develop technology initiatives to meet Force 2025 objectives and to fill gaps within Transportation Portfolio
PM TS Organization

MISSION
Conduct lifecycle management for expeditionary and Allied Forces, fielding essential transportation and readiness capabilities to the Warfighter, while capitalizing on emerging technologies.

VISION
Pursue Tomorrow's Capabilities for Today's Military

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Product Director
Ground Mobility Vehicles
LTC Garth Winterle

Product Director
Light Tactical Vehicles
Mr. Steve Rienstra
Priorities

- ANSF Combat Capability
  - Additional vehicle procurements
- ANSF Self-Sufficiency
  - Interim Contract Training Support (MSFV)
  - Afghanistan Technical Equipment Maintenance Program
  - National Maintenance Strategy (Ground Wheeled Vehicles/Weapons)
  - Manuals (Operator, Maintenance, Parts Catalogs)

Opportunities for Industry

- Afghanistan National Maintenance Strategy (RFP release expected 22 January 2016)
- Light Tactical Vehicles (RFP release expected November 2015)
Fleet Overview

Logistic Support Vessel (LSV)
- AAO (8): 5 AC/3 RC/0 APS
- AAO (8)*: 1 AC/2 RC/3 APS

Landing Craft Utility (LCU) 2000
- AAO (34): 7 AC/7 RC/20 APS
- AAO (16): 2 AC/6 RC/8 APS

Landing Craft Mechanized (LCM-8)
- AAO (36): 9 AC/9 RC/18 APS
- AAO (6)*: 0 AC/2 RC/2 APS

Large Tug (LT)
- AAO (8): 5 AC/3 RC/0 APS
- AAO (8)*: 1 AC/2 RC/3 APS

Small Tug (ST)
- AAO (16): 2 AC/6 RC/8 APS
- AAO (6)*: 0 AC/2 RC/2 APS

Barge Derrick (BD)
- AAO (6): 2 AC/0 RC/4 APS

Roll-On/Roll-Off Discharge Facility (RRDF)
- AAO (6): 2 AC/0 RC/4 APS

Modular Warping Tug (MWT)
- AAO (6): 2 AC/0 RC/4 APS
- AAO (18)*: 5 AC/0 RC/11 APS

Causeway Ferry (CF)
- AAO (3): 1 AC/0 RC/2 APS

Floating Causeway (FC)
- AAO (3): 1 AC/0 RC/2 APS

Modular Causeway System (MCS)
- AAO (36): 9 AC/9 RC/18 APS
- AAO (6)*: 0 AC/2 RC/2 APS

- Small density fleet
- No single OEM or Depot
- Many different configurations
- Several platforms at or past EUL
- 46% in APS (4 and 5)

1988 – First Fielding
21 Years

1990 – First Fielding
24 Years

1967 – First Fielding
44 Years

(To be displaced by the MSV(L))

1994 – First Fielding
21 Years

1998 – First Fielding
14 Years

1999 – First Fielding
15 Years

1996 – First Fielding
13 Years

1999 – First Fielding
12 Years

1996 – First Fielding
18 Years

26 August 2015
PdD Army Watercraft Systems

• Lifecycle Challenges:
  • Determining vessel Economic Useful Life (EUL) and the impact of Service Life Extension Programs (SLEP) on EUL
  • Improving fuel efficiency of watercraft systems
  • Meeting EPA environmental emissions compliance
  • Meeting Uniform National Discharge Standards (UNDS) – Statutory requirements
  • Managing obsolescence for overly aged, low-density watercraft systems
  • Managing evolving C4ISR requirements to maintain Joint Interoperability
  • Developing suitable and effective logistics products, to include Technical Manuals, at a reasonable cost and in a timely manner

• Opportunities for Industry:
  • Introduce technical innovations into existing and next generation watercraft systems to improve and increase performance of major components
  • Introduce technologies to meet Uniform National Discharge Standards (UNDS)
  • Initiate competitive Landing Craft Utility (LCU-2000) Service Life Extension Program (SLEP)
  • Initiate the Maneuver Support Vessel (Light) acquisition (RFP release expected 1QFY16)
  • Solicit for a Competitive Contract for Systems Technical Support for AWS fleets
• Near-term:
  • Landing Craft Utility 2000 (LCU 2000) Service Life Extension Program (SLEP)
    • Two-phased approach to gain 10 years of additional useful life for the LCU fleet until replacement vessel can be acquired.
    • Phase I is a two year contract to design, develop and produce up to 4 LCUs with a new engine/generator suite (Repower) and up to 12 government provided ECPs
      • Phase I Request for Proposal (RFP) is scheduled for release at 4QFY15
      • Phase II will utilize the TDP delivered from Phase I to open compete for the SLEP production of the remaining 30 LCUs
  • Maneuver Support Vessel (Light) (MSV(L))
    • New start program; multi-purpose landing craft; displaces Landing Craft Mechanized 8 (LCM-8)
    • Full and open competition, 10 year contract (3 years Engineering Manufacturing Development (EMD), 2 years Low Rate Initial Production (LRIP), 5 years Full Rate Production (FRP), award in FY16; anticipate Request for Proposal Release (RFP) in 1QFY16

• Mid-term:
  • Maneuver Support Vessel (Heavy) (MSV(H))
    • Expeditionary, intra-theater, heavy transport; displaces Logistic Support Vessel (LSV)
    • Analysis of Alternatives (AoA) projected in FY19
  • Medium Tug (MT)
    • Multi-purpose tug, port opening (inner harbor activities), ocean towing, coastal and inland-waterway missions; displaces both Large Tug (LT) and Small Tug (ST)
Ground Mobility Vehicle

- **Description:** The GMV delivers ground tactical mobility by vertical lift platforms (UH-60 and CH-47) in high altitude and high temperature environments (4,000ft, 95F) for a range >30NM and by LVAD
  - Force protection is limited to full rollover protection and Soldier worn PPE.
  - Lethality is limited to mounting the CSW's carried within the ABN squad

- **Priorities**
  - GMV Studies and Analyses to Finalize Requirements (FY16)
  - Preparation for RFP release (FY16)
PdM Heavy Tactical Vehicles

• Priorities
  • Support the current fight
    • Ensure Joint Warfighters have what they need
  • Prepare for the future
    • Force 2025
  • Partner with the Industrial Base
    • Examine Organic / Commercial base partnerships
  • Better Buying Power
    • Cost conscious culture

• Opportunities for Industry
  • Heavy Dump Truck (HDT) New Procurement
  • Modular Catastrophic Recovery System (MCRS)
  • M870A4 Trailer New Procurement
  • 25 Ton Semi-Trailer Low Bed (25T STLB)
  • HET Urban Survivability Kit (HUSK)
  • 82 Ton Heavy Equipment Transporter (82 T HET)
PdD Light Tactical Vehicles

- **Priorities**
  - **Future Capabilities**
    - MECV – Automotive Research
  - **Production**
    - HMMWV Ambulance Production (RIA)
    - M200A1 & M1061A1 Production (Schutt)
    - LTT Rebuy (Schutt)
    - LEUT Production (Pre MDD)
  - **Sustainment**
    - Completion of Up-Armored HMMWV (UAH) Depot Recap (RRAD)
    - Recap and conversion of M1167 TOW/ITAS (AMG & RRAD)
  - **Current Operations**
    - Capability Set (CS) Support
  - **Opportunities for Industry**
    - LEUT New Production
Potential exists for additional production through 2021

Analyzing potential upgrades to accommodate increased weight:
  • Suspension/ride quality
  • Drive line/power train

Analyzing potential new production to address obsolescence and address:
  • Data bus interface
  • Electrical/on board power
Family of Medium Tactical Vehicles

- M1078 2.5 Ton LMTV Cargo
- M1079 2.5 Ton LMTV Van
- M1082 2.5 Ton Trailer
- M1083 5 Ton MTV Std Cargo
- M1084 5 Ton MTV Std Cargo w/MHE
- M1087 5 Ton MTV Exp Van
- M1088 5 Ton MTV Tractor
- M1089 8.5 Ton MTV Wrecker
- M1092 5 Ton Chassis
- M1093 LVAD
- M1095 5 Ton MTV Trailer
- M1148 LHS
- M1147 LHS Trailer
- M1157 10 Ton MTV Dump

- 17 Truck Variants in 2 1/2 & 5 Ton Payload Class
- Expanded Application of FMTV Platform to Support Army Emerging Requirements
  - LHS, 10-Ton Dump, HIMARS, CBPS, Data Interchange Customers
- Three Truck Variants Air Drop Certified
  - 2.5 / 5.0 ton cargo, 5 ton dump
- Companion Trailers Double Hauling Capacity
- 65% of AAO are Cargo Variants
- Non developmental — very low technology risk
- Approximately 80% commonality of parts amongst models

- Unit Resupply
- Unit Mobility
- Ammunition Resupply
- Weapons Platform
- Troop Transport
- Platform for 13 Data Interchange Customers

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Summary

• PM TS portfolio has abundance of new opportunities for competitive contracts to provide new hardware and services to our U.S. Forces and Coalition customers.

• Continue to watch FedBizOps.gov for future RFI/RFPs.
Questions