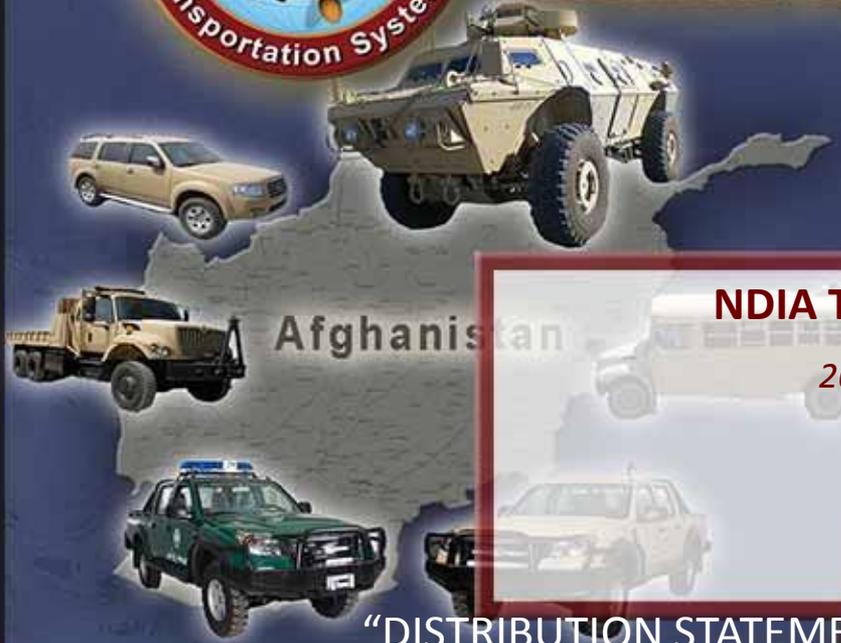




PROJECT MANAGER TRANSPORTATION SYSTEMS



NDIA TWV Conference
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Ms. Pat Plotkowski
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“DISTRIBUTION STATEMENT A: Approved for Public Release”



Transportation Systems



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(PdM HTV)



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ACAT III

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



Palletized Load System (PLS)



Light Medium Tactical Vehicles (LMTV)



High Mobility Multipurpose Wheeled Vehicle (HMMWV)



Mobile Strike Force Vehicle (MSFV)



Heavy Expanded Mobility Tactical Truck (HEMTT)



Medium Tactical Vehicles (MTV)



HMMWV With TOW



Allied Light Tactical Vehicle (ALTV)



Line-Haul Tractors



FMTV based specialty vehicles



HMMWV Ambulance



Allied Medium Tactical Vehicle (AMTV)



Heavy Equipment Transporter System (HETS)



FMTV trailers



Light Tactical Trailer



Sports Utility Vehicle (ASUV)



Bus



Landing Craft (Lighters)



Floating Craft





PM TS



- **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



Project Manager
COL Brian Furber



Deputy Project Manager
Ms. Pat Plotkowski

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





PdM Allied Tactical Vehicles



• **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



1988 – First Fielding 21 Years

Logistic Support Vessel (LSV)

AAO (8): 5 AC/3 RC/0 APS



1994 – First Fielding 21 Years

Large Tug (LT)

AAO (8)*: 1 AC/2 RC/3 APS



1990 – First Fielding 24 Years

Landing Craft Utility (LCU) 2000

AAO (34): 7 AC/7 RC/20 APS



1998 – First Fielding 14 Years

Small Tug (ST)

AAO (16): 2 AC/6 RC/8 APS



1967 – First Fielding 44 Years

Landing Craft Mechanized (LCM-8)

AAO (36): 9 AC/9 RC/18 APS

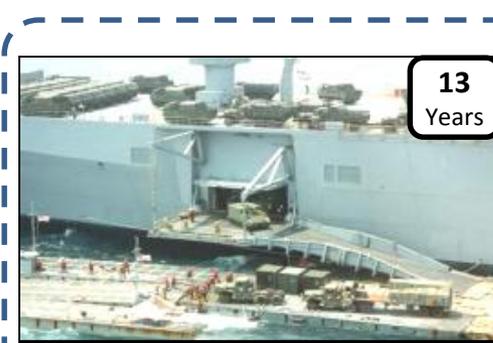
(To be displaced by the MSV(L))



1999 – First Fielding 15 Years

Barge Derrick (BD)

AAO (6)*: 0 AC/2 RC/2 APS



13 Years

Roll-On/Roll-Off Discharge Facility (RRDF)

AAO (6): 2 AC/0 RC/4 APS



12 Years

Modular Warping Tug (MWT)

AAO (18)*: 5 AC/0 RC/11 APS



20 Years

Causeway Ferry (CF)

AAO (3): 1 AC/0 RC/2 APS



18 Years

Floating Causeway (FC)

AAO (3): 1 AC/0 RC/2 APS

Modular Causeway System (MCS)

1996 – First Fielding

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

* Currently short of the AAO.



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 compliancy
 - 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



Anticipated Army Watercraft Systems Efforts



- **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 CSWs 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



MCRS



HET

• 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)



M1070



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)



MECV-A Concept



M1101/1102 LTT



M997A3

- 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



M1167 TOW/ITAS



LEUT Concept



PdM Medium Tactical Vehicles



- 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



Family of Medium Tactical Vehicles (FMTV)



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



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