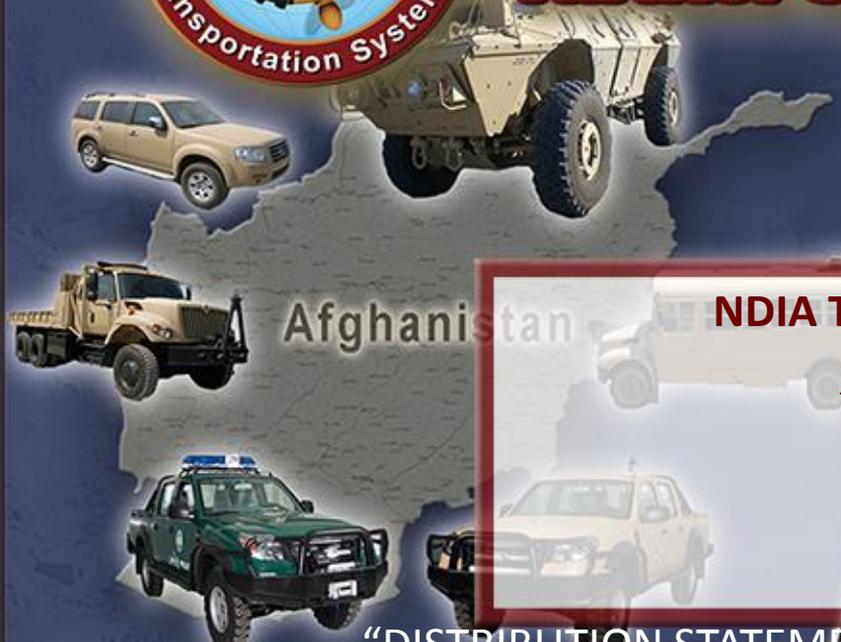




U.S. ARMY



PROJECT MANAGER TRANSPORTATION SYSTEMS



NDIA TWV Conference
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Transportation Systems



**Product Manager
Heavy Tactical Vehicles
(PdM HTV)**



Palletized Load System (PLS)



Heavy Expanded Mobility Tactical Truck (HEMTT)



Line-Haul Tractors



Heavy Equipment Transporter System (HETS)
PM TS - NDIA



**Product Manager
Medium Tactical Vehicles
(PdM MTV)**



Light Medium Tactical Vehicles (LMTV)



Medium Tactical Vehicles (MTV)



FMTV Based Specialty Vehicles



FMTV Trailers



**Product Director
Light Tactical Vehicles
(PdD LTV)**



High Mobility Multipurpose Wheeled Vehicle (HMMWV)



HMMWV With TOW



HMMWV Ambulance



Light Tactical Trailer



**Product Manager
Allied Tactical Vehicles
(PdM ATV)**



Mobile Strike Force Vehicle (MSFV)



Allied Light Tactical Vehicle (ALTV)



Allied Medium Tactical Vehicle (AMTV)



Sports Utility Vehicle ASUV



Bus



**Product Director Army
Watercraft Systems
(PdD AWS)**

Landing Craft (Lighters)



Floating Craft



**Product Lead
Ground Mobility Vehicles
(PdL GMV)**



Air Drop
(Notional)



GMV
(Notional)



Roles and Responsibilities



HQDA

Requirements
TRADOC



ASA(ALT)



The Materiel Enterprise enhances communication, coordination, and collaboration between the ASA(ALT) and AMC communities.

AMC



Modernization



PEO
CS&CSS



PD AWS

Sustainment



TACOM LCMC



ILSC



Army
Contracting
Command



Army
Contracting
Command -
Warren



TARDEC

PD AWS executes Life Cycle Management (LCM) through a unique matrix of organizations





Portfolio Overview



Landing Craft

1988 – First Fielding

26 Yrs/
9 Yrs (LSV7-8)



Logistic Support Vessel (LSV)

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

1990 – First Fielding

25 Yrs



Landing Craft Utility (LCU) 2000

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

1967 – First Fielding

44 Yrs



(To be displaced by the MSV(L))

Landing Craft Mechanized (LCM-8)

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

* Currently short of the AAO.

Towing & Terminal Support

1994 – First Fielding

22 Yrs



Large Tug (LT)

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

1998 – First Fielding

15 Yrs



Small Tug (ST)

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

1999 – First Fielding

16 Yrs



Barge Derrick (BD)

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

Ship-to-Shore Enablers

15 Yrs



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

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

13 Yrs



Modular Warping Tug (MWT)

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

21 Yrs



Causeway Ferry (CF)

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

19 Yrs



Floating Causeway (FC)

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

Modular Causeway System (MCS)

1996 – First Fielding

- Small density fleet (132 complex system of systems)
- No single OEM or Organic Depot support
- Many different configurations
- Several platforms at or past Economic Useful Life
- Half of the fleet in Army Prepositioned Stock (APS 4 & 5)
- Unique requirements (Code of Federal Regulations)



Systemic Challenges



Declining budgets



- Steadily growing theater demand signal
- Bow-wave of modernization investment necessary to field an operationally relevant fleet

Challenges AWS faces given the current state of Demand, Readiness and Relevance:

- Aging fleet with escalating obsolescence issues
- Constrained portfolio funding (Other Procurement, Army (OPA), Operations, & Maintenance, Army (OMA) and Research, Development, Test, & Evaluation (RDT&E))
- Incomplete Technical Data Packages (TDP)
- Outdated Technical Manuals (TM)
- Lack of institutional infrastructure for sustainment supply
- Lack of robust and properly employed knowledge management processes and systems for real-time/accurate field reporting



AWS Priorities – What to Watch!



- Landing Craft Utility (LCU) Service Life Extension Program (SLEP) Source Selection Evaluation Board (SSEB) in session; Contract Award for Phase I end FY16; Phase II commences in FY18.
- Maneuver Support Vessel (Light) (MSV(L)) **Request for Proposal (RFP)** under development with release projected end of **3QFY16**. Milestone (MS) B projected for end 2QFY17.
- LCU Command, Control, Communications, Computer, Intelligence, Surveillance, & Reconnaissance (C4ISR) upgrades complete for 14 Continental United States (CONUS) vessels; upgrades for 10 of 20 Outside the Continental United States (OCONUS) vessels to be completed by end FY17.
- Stand-alone System Technical Support (STS) contract for AWS-specific support; **RFP** target of **4QFY16**
- Initiate a Watercraft Systems Performance Based Logistics (PBL) Business Case Analysis (BCA)
- **Request for Information (RFI)** release (est. **June 2016**) to evaluate manufacturing capability of two Modular Warping Tugs to fill Army Acquisition, Objective (AAO) shortage

Monitor Federal Business Opportunities at **FBO.gov** for opportunities and updates!



Questions



Back-up



Transportation Portfolio Priorities



AMERICA'S ARMY: THE STRENGTH OF THE NATION Portfolio Prioritization Recommendation

POM17-21

Army G-3/5/7

Root	Dollar Type	Total	% of Total	Portfolio Prioritized Solutions
JOINT LIGHT TACTICAL VEHICLE (JLTV)	Base	4,827,246	66.20%	1. Joint Light Tactical Vehicle (JLTV)
FAMILY OF MEDIUM TACTICAL VEHICLES (FMTV)	Base	1,174,498	16.11%	2. Maneuver Support Vessel – Light (MSV-L) ★
WATERCRAFT OTHER	Base	287,247	3.94%	3. LCU C4ISR upgrades / SLEP
FAMILY OF MANEUVER SUPPORT VESSELS	Base	279,839	3.84%	4. TWV Armor Capable / Vehicular Automation
ARMOR PROTECTION KITS	Base	261,908	3.59%	5. TWV protection kits
LINE HAUL	Base	134,000	1.84%	6. AWS protection ★
TRAILERS	Base	75,880	1.04%	7. Trailer modernization (HETT) ★
LIGHT TACTICAL VEHICLE (LTV) HIGH MOBILITY TRAILER	Base	70,854	0.97%	8. AWS modernization ★
PALLETIZED LOAD SYSTEM (PLS)	Base	69,818	0.96%	9. Enhanced TWV deployability and employability enabling expeditionary maneuver
TACTICAL VEHICLE MODIFICATIONS	Base	47,949	0.66%	10. MTV / HTV recapitalization/reset
HEMTT RECAP	Base	31,470	0.43%	11. TWV divestment
RECAP PALLETIZED LOAD SYSTEM (PLS)	Base	19,287	0.26%	12. HMMWV recapitalization/reset
MINE RESISTANT AMBUSH PROTECTED (MRAP) VEHICLE (CSST)	Base	7,534	0.10%	13. Reduced fleet logistics and sustainment requirements
HEAVY TACTICAL VEHICLE (HTV) OTHER	Base	4,000	0.05%	
	Total	7,291,530	100.00%	

Source: "Tactical Wheeled Vehicle Decision Points" Briefing for CSA; DAMO-CIS//As of 4 No 15//v7. Priorities approved by VCSA during Sustainment (Transportation) CPR, 30 Sep 14

Army Watercraft fleet ranks high in the VCSA's portfolio prioritization but only gets ~7.8% of total portfolio funding.

AWS current fleet spending prioritization aligns with VCSA priorities for the Sustainment (Transportation) Portfolio per the following categories:

- 1. Safety
- 2. C4ISR
- 3. Statutory/Environmental
- 4. Obsolescence
- 5. Regulatory

Total existing AWS portfolio assessed at ~ \$1.77B which requires ~ \$71M/yr to keep current