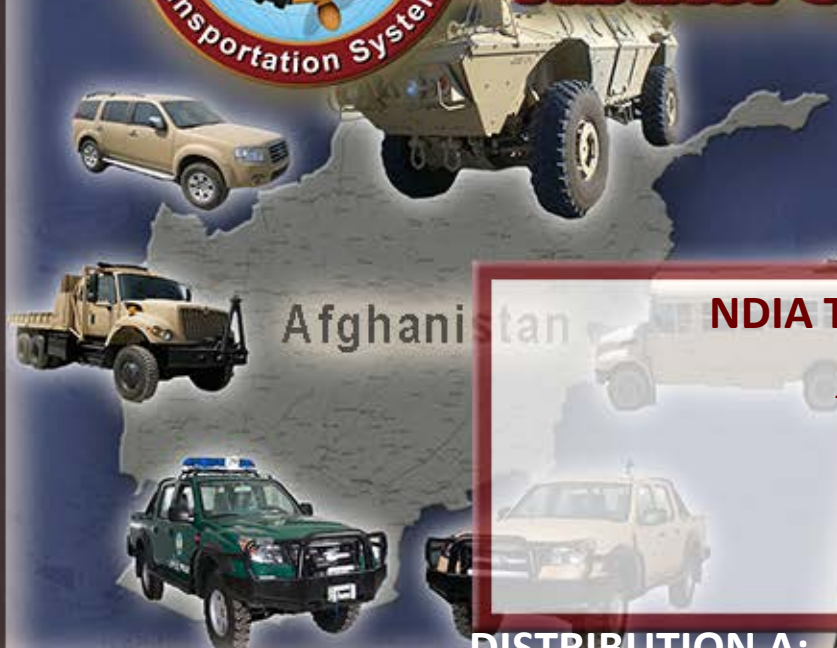




U.S. ARMY



PROJECT MANAGER TRANSPORTATION SYSTEMS



Afghanistan

NDIA TWV Conference

16 May 2017

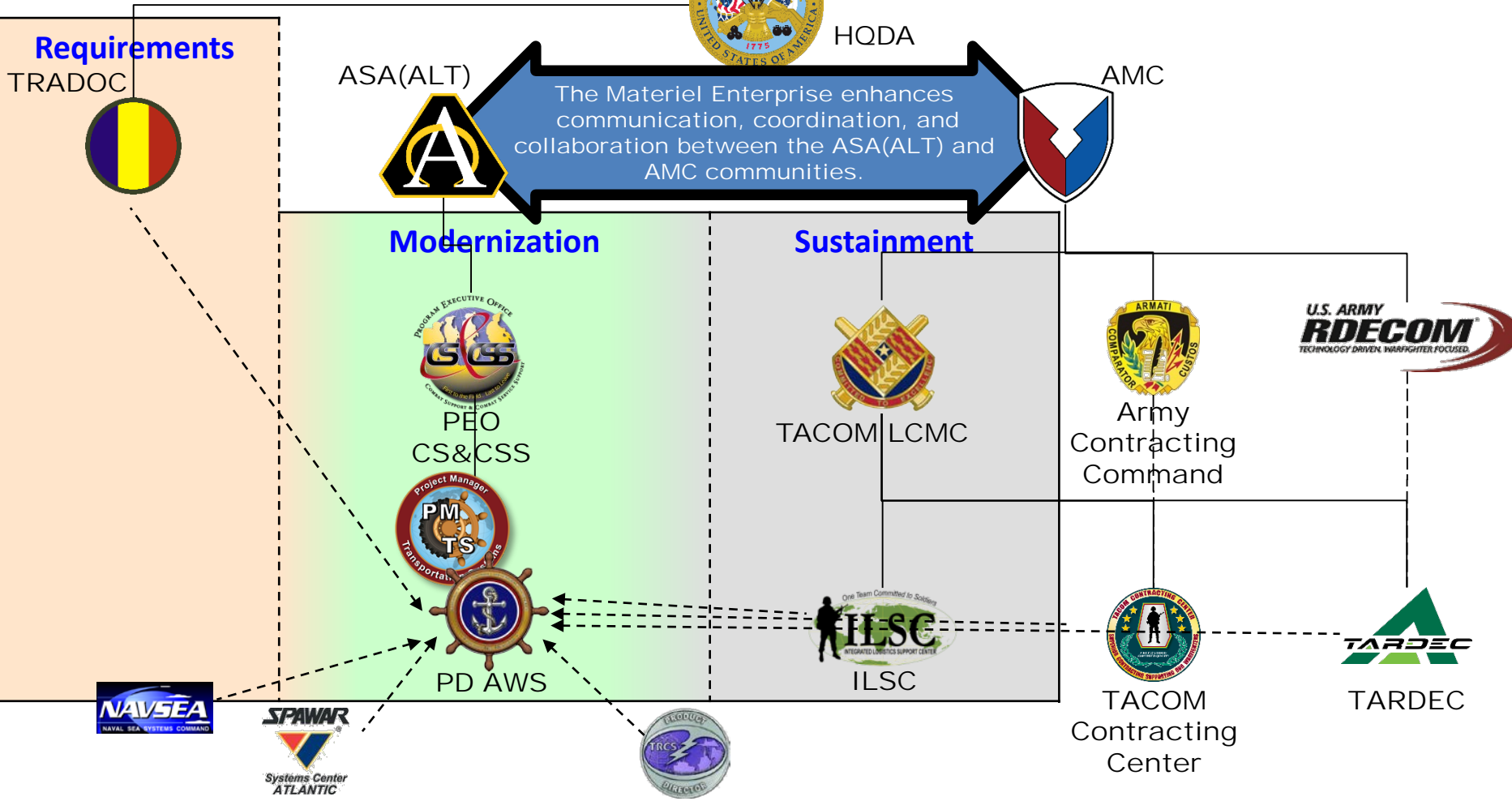
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Roles and Responsibilities



Product Director Army Watercraft Systems (PD AWS) executes Life Cycle Management (LCM) of the watercraft portfolio through a unique matrix of organizations



Army Watercraft – A Force Multiplier

A flexible capability which covers diverse mission sets across *mission command, sustainment, and movement and maneuver* warfighting functions.



- **Supports movement and maneuver:** strategic, operational and tactical maritime connector capability for expeditionary Joint Combined Arms force operations.
- **A2/AD:** exploit waterborne maneuver corridors to provide commanders options IOT launch and sustain joint and Army forces along coastal littorals and through inland waterways.
- **Operational maneuver:** provide the JFC with operational adaptability and assured mobility through the waterborne delivery of combat-configured task organized forces and sustainment.
- **Maneuver Support Vessel - Light:** future variants bridge strategic to expeditionary maneuver; transition in theater to operational maneuver in support of ULO.



Rebalance to Asia Pacific – Potential for long term employment of Army Watercraft as a regionally aligned mobility enabler; enables joint security cooperation and security engagement.



Army Watercraft MTOE Overview

Principal Fighting Functions

1. **Mission Command:** Harbormaster, Logistics Over the Shore (LOTS) and Battle Command on the Move
2. **Movement & Maneuver:** Assured Access, Simultaneous/ Distributed Operations, Controlled Operational Tempo
3. **Sustainment:** Intra-Theater Distribution, Access to Degraded & Austere Ports/Seaport, Damage/Vessel Salvage, Tugs/Firefighting and Rescue

1



Harbormaster C3
7 Required 7 on hand
(3 AC/4 USAR)



Landing Craft Mechanized Mod 2 (6)
(1 AC/1 USAR/4 APS)



Small Tug (16)
(2 AC/6 USAR/8 APS)

2 & 3



Logistics Support Vessel (8)
(5 AC/3 USAR)



Landing Craft Utility (34)
(7 AC/7 USAR/ 20 APS)



Landing Craft Mechanized Mod 1 (30)
(8 AC/8 USAR/14 APS)



Large Tug (8)
(1 AC/3 USAR/4 APS)
2ea in Lieu of 100 ft tugs

3

3 Modular Causeway Systems (1 AC/2 APS)



Roll-on/Roll-off Discharge Facility (6)



Causeway Ferry (3)



Warping Tug (18)

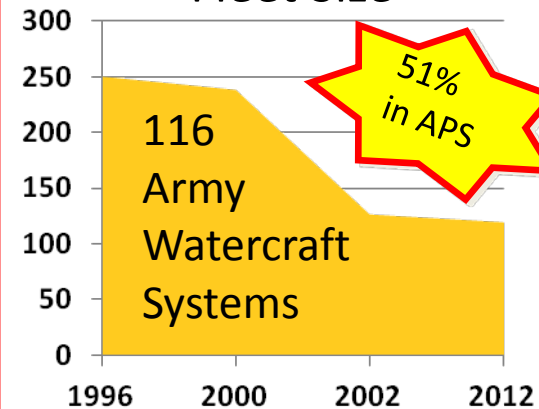


Floating Causeway (3)

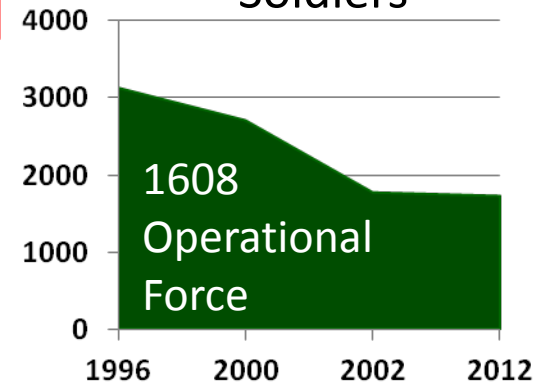


Barge Derrick (4)
(2 USAR/2 APS)

Fleet Size



Soldiers





Transportation Systems



ACAT 1C

LTC Jeff Jurand
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)



ACAT 1C

Mr. Alvin Bing
Product Director
Medium Tactical Vehicles
(PdD MTV)



Light Medium Tactical Vehicles (LMTV)



Medium Tactical Vehicles (MTV)



FMTV based specialty vehicles



FMTV trailers

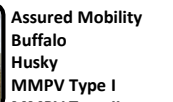


ACAT 1C

LTC Joel Franklin
Product Manager
Mine Resistant Ambush Protected Vehicle Systems
(PdM MRAP)



Protected Mobility M-ATV MaxxPro



Assured Mobility Buffalo Husky MMPV Type I MMPV Type II Mine Clearance Vehicle (MCV)



Enablers Blower Wire Neutralization System (WNS) Explosive Hazard Roller (EHP)



LTC Russ Hoff
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



ACAT III

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

Landing Craft (Lighters)



Floating Craft





Army Watercraft Portfolio

132 Systems



Landing Craft

1988 – First Fielding

27 Yrs/
10 Yrs (LSV7-8)



Logistic Support Vessel (LSV)

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

1990 – First Fielding

26
Yrs



Landing Craft Utility (LCU) 2000

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

1967 – First Fielding

45
Yrs



**(To be displaced by the MSV(L))
Landing Craft Mechanized (LCM-8)**

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

Towing & Terminal Support

1994 – First Fielding

23
Yrs



Large Tug (LT)

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

1998 – First Fielding

16
Yrs



Small Tug (ST)

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

1999 – First Fielding

17
Yrs



Barge Derrick (BD)

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

Ship-to-Shore Enablers

16
Yrs



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

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

14
Yrs



Modular Warping Tug (MWT)

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

22
Yrs



Causeway Ferry (CF)

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

20
Yrs



Floating Causeway (FC)

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

Modular Causeway System (MCS)

1996 – First Fielding

- Small density fleet (132 complex systems of systems)
- No single OEM or Organic Depot support
- Many different configurations
- Several platforms at or past Economic Useful Life
- 51% in Army Prepositioned Stock (APS 4 and 5)
- Unique requirements (Code of Federal Regulations)



Systemic Challenges



Declining budgets



- Steadily growing theater demand signal
- Bow-wave of investment required for life cycle management, modernization, and fielding of 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
- 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
- All systems are out of production but NO systems have transitioned to sustainment



AWS Opportunities – What to Watch!



- Maneuver Support Vessel (Light) (MSV(L)) Source Selection Evaluation Board in session. Contract award and Milestone B projected for 4QFY17.
- Landing Craft Utility (LCU) Service Life Extension Program (SLEP) Phase I contract awarded 27 Sep 16; Period of performance through 4QFY18; Phase II planned Request for Proposal release 2QFY17 in FY18.
- LCU Command, Control, Communications, Computer, Intelligence, Surveillance, & Reconnaissance (C4ISR) upgrades complete for 14 Continental United States (CONUS) vessels; upgrades for 10 of 20 Other than Contingency United States (OCONUS) vessels to be completed by end FY17. Potential for Request for Proposal (RFP) for remaining 10 vessels when funding is available.
- Initiating a Logistics Support Vessel (LSV) Product Support Business Case Analysis (BCA)
- Modular Causeway System SLEP RFP release targets 3QFY18; considering the Other Transaction Agreement with the Vehicle Robotics Alliance Program Office for Research, Development, Test and Evaluation (RDT&E) portion in 4QFY17.
- Stand-alone System Technical Support (STS) contract for AWS-specific support; RFP target of 3QFY18.
- Army Watercraft Modular Support System (AWMSS) Request for Information is imminent.

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



Questions