Modernization Sustainment

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

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

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**Fleet Size**

- **Army Watercraft Systems**
  - 116 Soldiers
  - 1608 Operational Force

**Soldiers**

- 51% in APS

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**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)

**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)

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

**Large Tug (8)**
- (1 AC/3 USAR/4 APS)
  - 2ea in Lieu of 100 ft tugs
Army Watercraft Portfolio
132 Systems

Landing Craft

Logistic Support Vessel (LSV)
- AAO (8): 5 AC/3 RC/0 APS
  - 1988 – First Fielding
  - 27 Yrs/10 Yrs (LSV7-8)

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

Landing Craft Towing & Terminal Support

Large Tug (LT)
- AAO (16): 2 AC/6 RC/8 APS
  - 1999 – First Fielding
  - 17 Yrs

Small Tug (ST)
- AAO (3): 1 AC/0 RC/2 APS
  - 1998 – First Fielding
  - 16 Yrs

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

Towing & Terminal Support

Roll-On/Roll-Off Discharge Facility (RRDF)
- AAO (6): 2 AC/0 RC/4 APS
  - 1994 – First Fielding
  - 23 Yrs

Modular Warping Tug (MWT)
- AAO (18)*: 5 AC/0 RC/11 APS
  - 1996 – First Fielding
  - 20 Yrs

Ship-to-Shore Enablers

AAA (34): 7 AC/7 RC/20 APS
  - 1990 – First Fielding
  - 26 Yrs

AAO (3): 1 AC/0 RC/2 APS
  - 1998 – First Fielding
  - 17 Yrs

Crate Ferry (CF)
- AAO (3): 1 AC/0 RC/2 APS
  - 1999 – First Fielding
  - 22 Yrs

Floating Causeway (FC)
- AAO (18)*: 5 AC/0 RC/11 APS
  - 1996 – First Fielding
  - 20 Yrs

Modular Causeway System (MCS)
- AAO (18)*: 5 AC/0 RC/11 APS
  - 1996 – First Fielding
  - 20 Yrs

- 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

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
• 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