Army Watercraft Master Plan (AWMP)

- Update of November 1996 Version
- Incorporates AWRP and Implementation Order
- Draft to COT: July ’02
- Edit and Publish: Aug-Sep ’02
- Web/CD/hardcopy
Theater Support Vessel (TSV)

**Purpose:**
- Update AWRP Conference on Program and Strategy
- HSV-X1 Joint Venture Program Overview
- Highlight AOR TSV Requirement

**Descriptive Statement:**
TSV represents the next generation of Army watercraft to support the Army’s doctrinal intra-theater lift mission. Capable of operational maneuver from stand-off distances and into five times as many ports, it provides rapid, intra-theater lift of ready-to-fight combat forces *together* with their equipment. TSV offers the Joint Force Commander a multi-modal and multi-purpose platform to support joint operations and that *complements* C-17 and C-130 airlift capabilities.

*Title 10 U.S.C., Sec. 3062, Para. b:*
“...the Army... includes land combat and services forces and such aviation and water transport as may be organic therein.”

*Joint Pub 4-01.4, page II-8:*
“...Commander, Army Forces to provide management of coastal and inland waterways to U.S. land-based forces of all DoD components.”
TSV Impact on RSO&I

Requirements for AOR’s

**RECEPTION**

- C-17 (Personnel)
- LSV (Equipment)

**STAGING**

- APOD
- JLOTS
- SPOD

**ONWARD MOVEMENT**

**INTEGRATION**

**Notional Force Structure Required:**

- LOGCAP
- Truck Company
- Cargo Transfer Company
- QM Company (Force Provider)
- Security Elements
- Medical Support
- LSV
- Ordnance Support
- Medium Boat Company
- Aircraft Maintenance Support
- Theater Transportation Command
- Admin/Finance Support
- Port Movement Control
- Engineer Support
- Movement Control Company
- QM Battalion
- Transportation Harbormaster Ops
- Terminal Operations
- Rail Operating Company
- Airfield Control

**Redefining RSO&I for Future AOR’s**

- *Combat Ready*  
  *Full Armor*
- *Full Ammunition*  
  *Full Fuel*
- *Full Communications*
TSV Objective Capabilities

- **Increased Deployability**: 40+ Knots Loaded
- **Increased Payload**: 30,000 Sq Ft/1250 ST Capacity
- **Increased Range**: 4700+ NM @ 40+ Knots
- **Increased Survivability**: Sea State 7+ (Waves up to 40 Feet)
- **Improved Situational Awareness**: Enroute Mission Planning Joint Interoperable C4ISR
- **Increased Responsiveness**: Integrated Unit Delivery By-Passed Theater Chokepoints Access to Austere Ports Reduced Asymmetric Threats
- **Improved Velocity**: Sustains Deployment Momentum Offsets/Complements Strategic Airlift Improves Throughput

**Increases Ports Accessible To JTF Commander**

**By a Factor of 5**
Acquisition Strategy

- Open Competition
- Dual Source
  - Provides surge capability for Army
  - Technology leap for U.S. Shipbuilding
  - Creates catalyst for commercial development
  - Rebuilds nation’s shipbuilding industrial base
  - Generates political clout
  - Secures funding program
- ACAT III Migrating to ACAT 1C
- Program Documentation
  - ORD/MNA/AoA
  - Draft TEMP
  - Market Research
  - Evolutionary Acquisition
  - Lease vs. Buy Cost Analysis

NOTICE: This May Contain Pre-Decisional Information. Do Not Release Outside of U.S. Government Agencies.
HSV-X1 Army Perspective

• CENTCOM AOR
  - Reduce backlog of:
    * 463L pallets and 20’ containers on flatbed trailers
    * Wheeled or tracked vehicles up to 35 tons
  - Transport soldiers to and from mission locations
  - Relocate units and equipment during tactical maneuvers in support of operations
  - Sponsoring ACTD vessel
• Load IBCT MCO2 from Port Hueneme, CA to Tacoma, WA
HSV-X1 Emerging Results
Army

- **Cargo Handling**
  - Ramp: 35 S-ton capacity is insufficient
  - Ramp: Break-over point limits (drive on)
  - Ammo/weapon storage
  - Tie downs
  - Internal traffic patterns
- **Helo-deck** - under evaluation
  - UAV launching (potential)
- **Crew habitability**
- **Force Protection**

- **C4I**
  - Existing
    * Automated Voyage Management Navigation System
    * Commercial communications
  - Added
    * En route mission planning (Navy suite)
    * Commo on bridge (Army suite)
  - Proposed
    * Telelogistics
    * En route mission planning (Army suite)
Bottom Line...

- Delivers combat effective force: costs 1/2 of airlift and 4 times faster than current systems
- Complements Intra-theater Airlift: C-17, C-130
- Replaces the way we logistically support the force
- Observing other Services’ activity: USN plans on replacing USS Inchon; USMC (WestPacExpress); and USSOCOM (Special Operations Fleet)
- Critical to the Army’s relevance in operational intra-theater warfare

TSV represents the only Army system (intra-theater) that can meet the Army Transformation Vision deployment goals

A viable program and paradigm shifter, TSV will change the way the Army deploys, sustains, and fights.

TSV Delivers Ready-to-Fight Combat Units.