Naval Expeditionary Warfare in the 21st Century

MajGen Thomas Benes, USMC
Director, Expeditionary Warfare Division, N85
Maritime Strategy—Execution 2008

Growing Demand for Expeditionary Forces

- Forward Deployed Naval Forces
- GFS Operations
- MARSEC Operations
- Humanitarian/Disaster Relief
Amphibious Force Development

Assault Echelon Long Range Plan: 33-34 Ships

- (3) LHA(R)—New Construction
- (8) LHD—ESL 2038
- (11) LPD-17—9 Under Contract
- (12) LSD-41—ESL 2035
- LSD Replacement—2018
- LHD Replacement—2023

A flexible, balanced Expeditionary Force to meet warfare demands
Connectors

- Joint High Speed Vessel (JHSV)
- Landing Craft Air Cushion (LCAC) / (SLEP)
- Sea Base to Shore Connector
- Landing Craft Utility (LCU)
- T-CRAFT S&T Initiative
Mine Warfare

- Rapid Airborne Mine Clearance System
- Assault Breaching System
- EOD Mobile Unit One
- Airborne Laser Mine Detection System
- Laser (Hunt)
- Super-cavitating Projectiles (Kill)
- Magnetic Acoustic Influence Sweep
- Unmanned Surface Vehicle / Organic Airborne and Surface Influence Sweep
- Littoral Combat Ship
- Minefield Detection and Neutralization
- Airborne Mine Neutralization System
- Remote Minehunting System – AN/AQS-20A
- Self propelled explosive charges (Kill)
- Unmanned Underwater Vehicle and Low Frequency Broadband
- Buried Mine Detection
- Sonar (Hunt)
- Surface Mine Countermeasures
- Obstacles
- Anti-Invasion
- Bottom
- Moored
- Floating
- Surf Zone & CLZ 0' - 10'
- Very Shallow Water 10' - 40'
- Shallow Water 40' - 200'
- Deep Water Over 200'
- Buried Mine – Promising Potential with Low Frequency Broad Band
NECC / NSW / NSFS

- NECC Modernization—C4ISR, NLW
- NSW—Equipment Upgrades, ISR
- Naval Surface Fire Support—ERM AOA
- Green Water—Capability Development
### Maritime Prepositioning Force

**2 T-LHA(R)**

**3 MLP**

**1 T-LHD**

**3 T-AKE**

**3 T-AKR**

**2 Legacy T-AK**

**Maritime Prepositioning Force (Future):**

- Close joint forces to the sea base
- Arrival and assembly at sea
  - Integration of personnel and equipment
  - Vehicle and equipment transfer
- Employment of “combat ready” forces from Over-the-Horizon
  - Surface
  - Vertical
- Sustainment of Joint forces ashore
  - Delivered via vertical connectors from T-AKE
  - Delivered via surface connectors from MLP
  - TEU handling at sea and throughput to shore
- Reconstitution and redeployment of forces

**Trans-load Force onto HSV**

**Deliver force via HSV**

**Deliver Supplies**

**Washdown + Backload + Reset**

**Arrive / Assemble onboard LSD-43**

**Assemble Roll on / Roll off Discharge Facility**

**Off-load MPF Equipment onto Lighterage System**
Questions?