



# *The Ship Acquisition Process Status and Opportunities*

*NDIA  
Expeditionary Warfare Conference*

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*21 Oct 08*



# San Antonio (LPD 17) Class Today



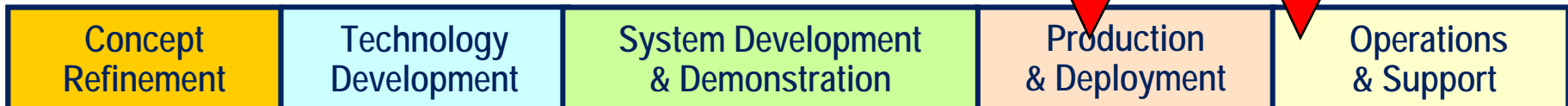
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## • Class Capabilities

- Flight deck accommodates Marine Corps helicopters and MV-22 Osprey tilt-rotor aircraft
- Well deck can launch and recover air-cushioned landing craft and amphibious vehicles

## • Program Status

- *San Antonio* (LPD 17) Delivered Jul 05, *New Orleans* (LPD 18) Delivered Dec 06, *Mesa Verde* (LPD 19) Delivered Sep 07, *Green Bay* (LPD 20) Delivered Aug 08
- *New York* (LPD 21) christened March 08, *San Diego* (LPD 22) keel laid May 07, *Anchorage* (LPD 23) keel laid Sep 07, *Arlington* (LPD 24) started fab. Aug 07, *Somerset* (LPD 25) option exercised Dec 07, LPD 26 (*unnamed*) \$50M AP in FY08
- LPD 17 on maiden deployment, LPD 18 deploys next year, LPD 19 completed shock trials



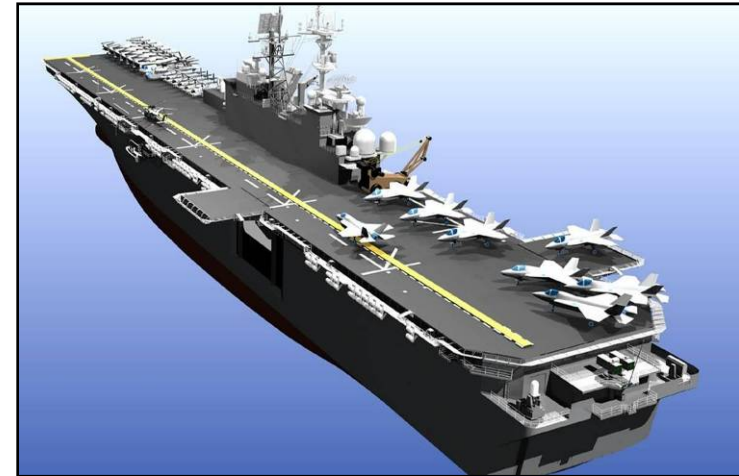
## • Class Capabilities

- LHD 8 (USS Makin Island) is the last ship of the LHD class
  - Hybrid gas turbine/diesel-electric propulsion
- LHA 6 (USS America) is a new class of ship designed for expanded aviation capabilities
  - Expanded aviation capabilities (12 MV-22s, 4 CH-53's, 4 AH-1s, & 6 F-35Bs)



## • Program Status

- Both ships are being built by Northrop Grumman in Pascagoula
- LHD 8 scheduled to deliver in FY09
- LHA 6 construction contract awarded June 07; Start Fab scheduled for Dec 08





# Lewis And Clark (T-AKE 1) Class Today



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## • Class Capabilities

- As a dry cargo and ammunition ship, T-AKE will directly contribute to the ability of the Navy to maintain a forward presence.
- Primary mission roles
  - Provide logistic lift from sources of supply such as friendly ports, or at sea.
  - Transfer cargo at sea to station ships and other naval warfare forces.

## • Program Status

- T-AKE 1 Delivered June 06, T-AKE 2 Delivered Feb 07, T-AKE 3 Delivered July 07, T-AKE 4 Delivered Nov 07, T-AKE 5 Delivered Jun 08
- T-AKE 6-9 are being built by General Dynamics/ National Steel and Shipbuilding Company in San Diego, CA
- Material has been ordered for T-AKE 10-11



# MPF(F) Squadron Composition



Auxiliary Cargo and Ammunition Ship  
**MPF (F) T-AKE** **3**



Mobile Landing Platform  
**MPF (F) MLP** **3**



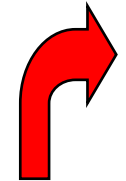
General Purpose Amphibious Assault Ship Replacement  
**MPF (F) LHA(R)** **2**



Multipurpose Amphibious Assault Ship  
**MPF (F) LHD** **1**



Large Medium Speed Roll-on, Roll-off Ship  
**MPF (F) LMSR** **3**



**Increment One:**

- Surface employment of combat ready forces
- Persistent sustainment from the sea

**Increment Two:**

- Vertical employment and command and control

**Increment Three:**

- Prepositioning
- At sea arrival and assembly



Legacy Sealift Ships (Dense Pack)  
**T-AK** **2**

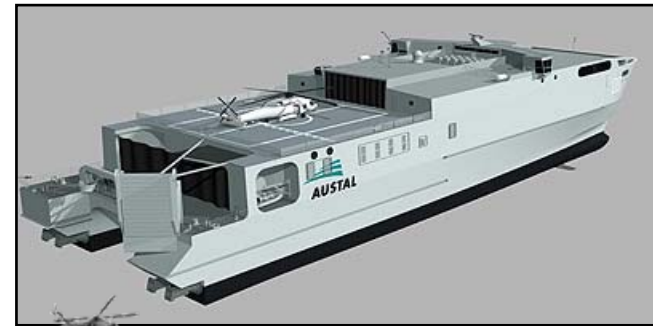
# Joint High Speed Vessel (JHSV)



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## • Program Capability

- High speed lift ship capable of transporting cargo and personnel across intra-theater distances
- Can transport combat ready personnel and equipment
- Can offload in austere ports without reliance on infrastructure
- Phase One preliminary design contracts awarded Jan 08 to Austal, Bollinger and BIW



## • Program Status

- Detail Design and Construction contract for 1 ship with nine options scheduled to be awarded next month





## • Program Capability

- Provides afloat, in-theater command and control capability to support a command staff's presence, persistence and speed of decision. Mitigates reach back and infrastructure vulnerabilities during operations
- Supports the full range of missions and functions of an afloat Maritime Headquarters with Maritime Operations Center in support of forward deployed Fleet Commanders, JFMCC or CJTF
- Replaces LCC 19 and LCC 20

## • Program Status

- Start of AoA approved 22 Sep 08 to study options including T-AKE and LPD 17
- ICD approved by JROC on 17 Jul
- Program has been renamed from JCC(X) to LCC(R)



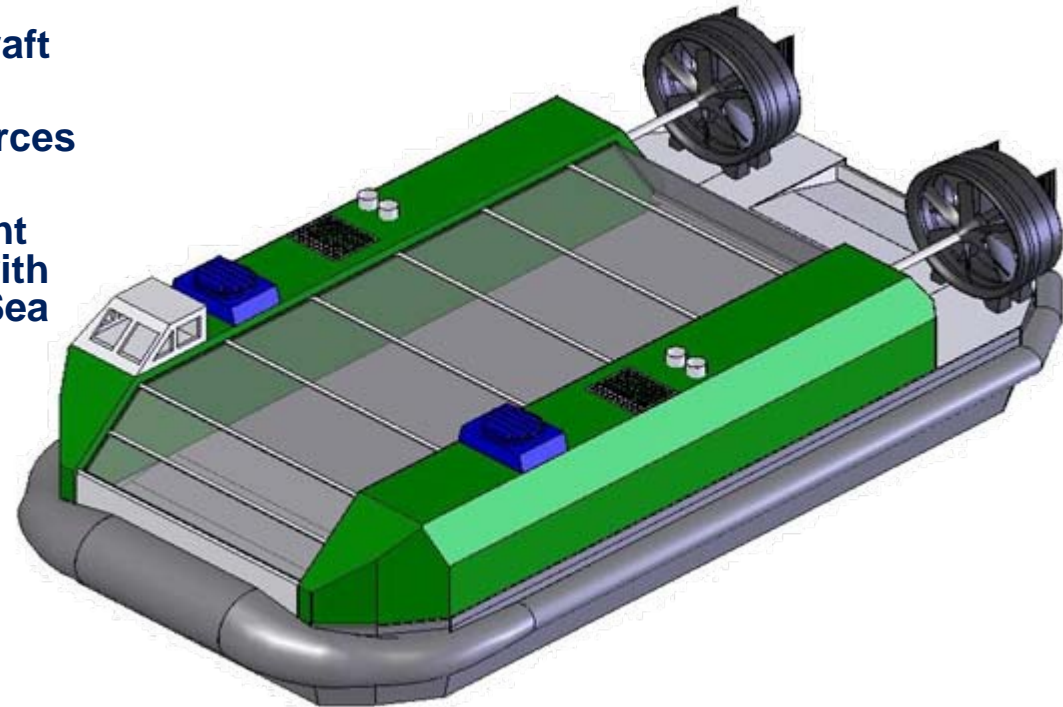
# Joint Maritime Assault Connector



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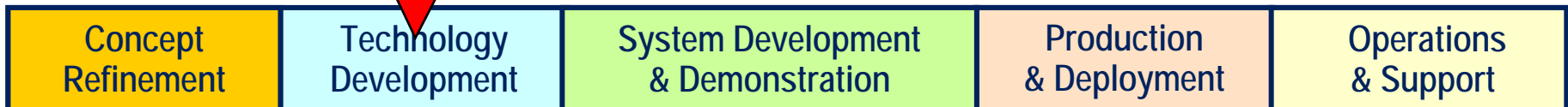
## • Program Capability

- Intended to replace the current LCAC
- The in-service LCAC start to reach end of service life in FY14 and the inventory begins to fall below the existing 72 craft requirement
- Support rapid movement of USMC forces from the sea base over the beach
- Provide greater capability than current LCAC (designed to transport M1A1 with mine plow from 25 nautical miles in Sea State 3/4)
- ICD JROC Approved in Oct 2006



## • Program Status

- AoA approved
- Milestone A Decision in progress
- Capabilities Development Document (CDD) anticipated early FY09
- Milestone B Decision anticipated by end of FY10





# *Reducing costs key to achieving goals*



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- **Maintain mature, steady-state production**
  - Most programs already serial production – LPD, T-AKE
- **Reuse existing military and commercial designs**
  - LCC(R), MPF(F), JHSV
- **Understand capability trades**
  - LHA 6 – well deck vs. expanded aviation support
- **Leverage commercial standards**
  - T-AKE, JHSV
- **Use Fixed-Price Contracts when possible**
  - T-AKE, JHSV, LPD 21 and out
- **Partner with Industry to reduce costs**