



The Ship Acquisition Process Status and Opportunities

*NDIA
Expeditionary Warfare Conference*

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Program Executive Office, Ships*

21 Oct 08



San Antonio (LPD 17) Class Today



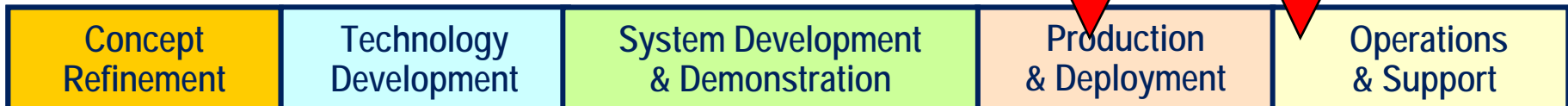
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• Class Capabilities

- 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



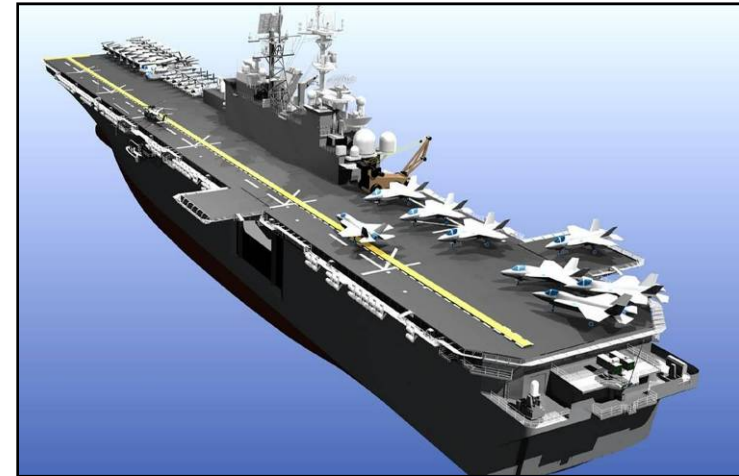
• Class Capabilities

- 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**



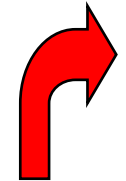
General Purpose Amphibious Assault Ship Replacement
MPF (F) LHA(R) **2**



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**

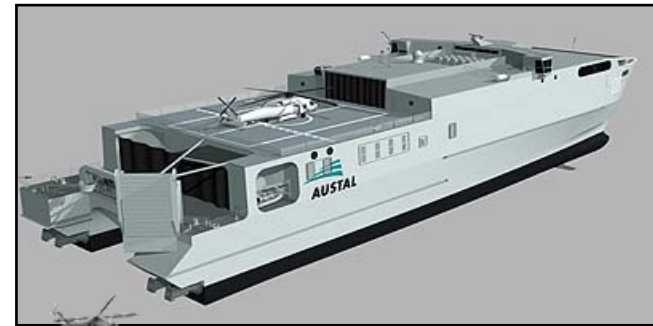
Joint High Speed Vessel (JHSV)



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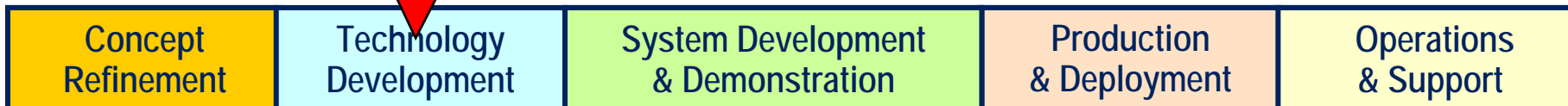
• Program Capability

- 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

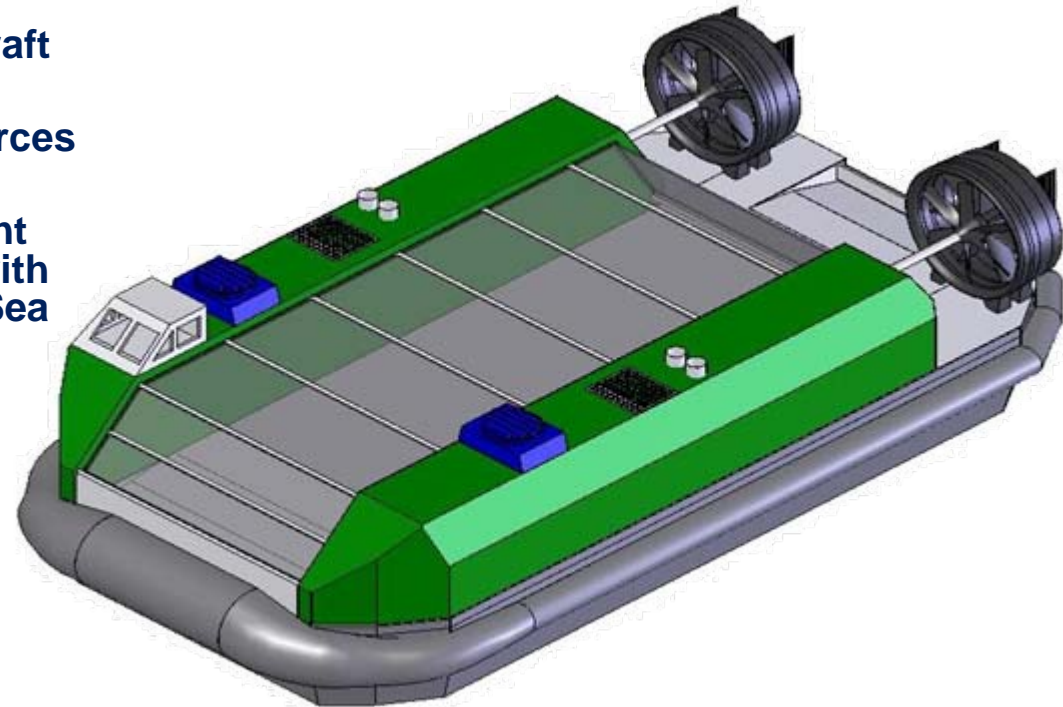
- Start of AoA approved 22 Sep 08 to study options including T-AKE and LPD 17
- ICD approved by JROC on 17 Jul
- Program has been renamed from JCC(X) to LCC(R)



Joint Maritime Assault Connector

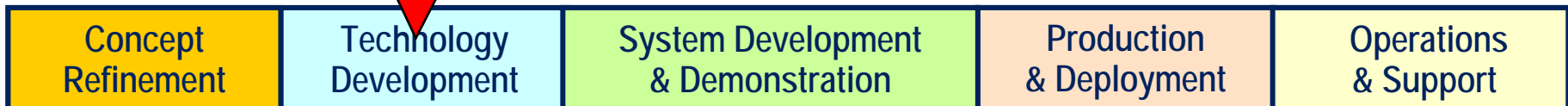
• Program Capability

- 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**