The Ship Acquisition Process
Status and Opportunities

NDIA
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San Antonio (LPD 17) Class Today

• 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
LHD 8 / LHA 6 Today

• 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

• 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) Squadon Composition

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

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

Legacy Sealift Ships (Dense Pack)
T-AK 2
Joint High Speed Vessel (JHSV)

• 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
**LCC(R)**

**• 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

- 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