



LPD 17 Amphibious Transport Dock & LX (R) Shipbuilding Programs



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**National Defense Industrial
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Conference*



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LPD / LX(R) Program Overview



- **LPD Program Profile (12 ships)**

- Replacement for LPD 4 and 3 other amphibious ship classes
- Ten ships delivered to the Fleet
- Two ships in construction at HII
- 20 successful deployments



- **LX(R) Program Profile (11 ships)**

- Replace LSD 41/49 Class
- Leverage LPD hull and major equipment
- Competitive acquisition
- Cost cap ensures affordability
- Lead ship delivers in 2025





LPD 26 – USS John P. Murtha



LPD 26

- Delivered (May 2016)
- Commissioned (Oct 2016)
- Arrive San Diego (Nov 2016)
- Combat Systems Qualifications Trials (CSSQT) (Apr 2017)
- Final Contract Trials (July 2017)
- PSA (Aug 2017 - Feb 2018)
- First Deployment (early 2019)



DISTRIBUTION STATEMENT A: Approved for public release



LPD 27 – Portland



LPD 27

- Launched (Feb 2016)
- 85% Complete
- Acceptance Trials (June 2017)
- Delivery (July 2017)
- Complete Post Delivery (Feb 2019)
- First Deployment (early 2020)

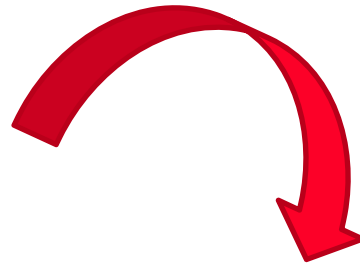




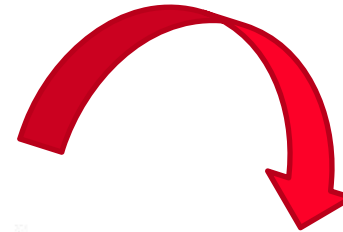
Capability Transition



LPD 27



LPD 28 – Comply with LPD ORD



LX(R) – Comply with LXR CDD

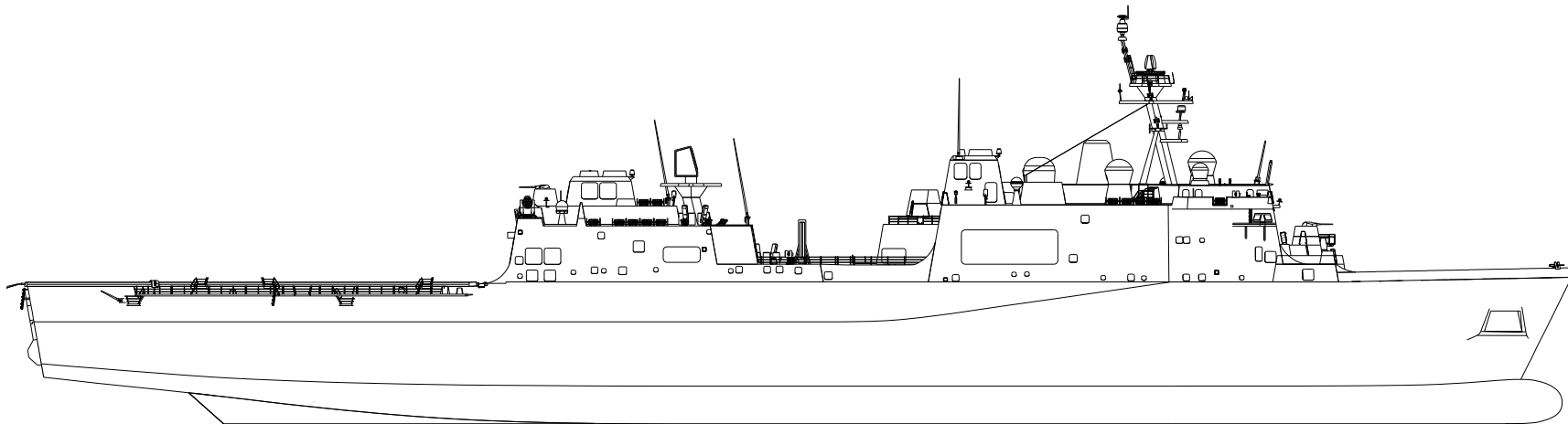




LPD 28 Configuration



- Leverage LPD hull and propulsion plant
- Update self-defense capabilities
- Reduce troop capacity to LPD minimum
- Improve reliability, maintainability, producibility
- Update obsolescence issues
- Incorporate LXR cost reduction initiatives



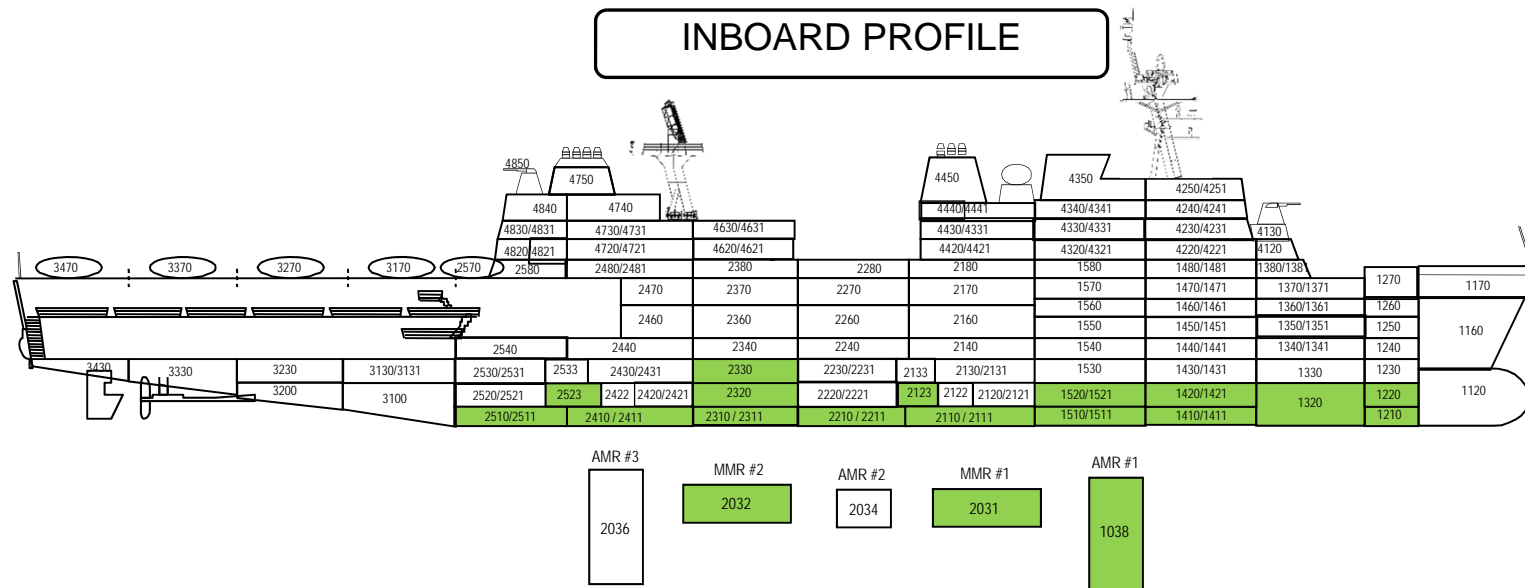


LPD 28 – Fort Lauderdale



LPD 28

- Advanced Construction and LLTM Commenced (2016)
- Full Contract Award (2016)
- Keel (2017)
- Launch (2020)
- Delivery (2021)
- Complete Post Delivery (2023)





LX(R) Overview



- Leverage LPD hull form and propulsion plant
- Meet LSD replacement cost targets
 - Continue cost reduction initiatives
 - Further improvements on production efficiencies
- Program plan to support LSD decommissioning's
 - Competitive RFP release planned for 4th quarter FY17
 - Contract award planned for 4th quarter FY18
 - First delivery planned for 2025





LPD 17 vs. LXR

High Level Capability Comparison



LPD 17

LXR

LSD 41/49

	LPD 17	LXR	LSD 41/49
C2	LINK 11,16, HF/ VHF/ UHF Voice/Data, UHF/ SHF SATCOM, SCI Network, ISNS	LINK 11,16, 75% HF/ VHF/ UHF Voice/Data and UHF/ SHF SATCOM, SCI Network, CANES	50% capacity (compared to LPD 17) HF/ VHF/ UHF Voice/Data and UHF/ SHF SATCOM
Vehicle Storage	22.2K square ft	22.2K square ft	11.6 / 16.3 square ft (CV)*
Cargo Capacity	34K cubic ft	28K cubic ft	5.1 / 50.7 cubic ft (CV)*
Troop Capacity	699 + 101 surge	552 + 78 surge	403 + 99 / 406 + 101 surge
LCAC Capacity	2	2	4 / 2
Aviation	Level 1, Class 1 with 2 primary spots / 4 expanded spots with hangar	Level 1, Class 1 with 2 primary spots / 4 expanded spots with hangar	Level 1, Class 2 with 2 primary spots, no hangar
Medical	Level 2, CRTS with 2 OR, 6 ICU, 22 Ward beds, Dental OR	Level 2, CRTS with 2 OR, 6 ICU, 22 Ward beds, Dental OR	Non-CRTS, 1 OR (minor), 10 beds
Self Defense	SSDS Mk 2 with CEC	SSDS MK2 with CEC	SSDS MK 1
Mobility	22 kts sustained	22 kts sustained	20-21 kts sustained

USN and USMC Consensus: LPD 17 Derivative Optimizes Capability



LPD Successes



AMPHIBIOUS WARSHIPS "THE SWISS ARMY KNIFE OF U.S. NAVY SHIPS"

Amphibious Combat Operations: ship to shore movement for forcible entry

Vehicle & Weapon Deployment

Logistical Support & Humanitarian Assistance and Disaster Relief

Flexibility/ Rapid Response

Medical Facilities

Aviation: fully capable for vertical takeoff/ landing aircraft

Survivability

Command & Control/Intelligence, Surveillance and Reconnaissance

