



# RHUMB LINES

*Straight Lines to Navigate By*



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## The Status of Shipbuilding – Surface Forces

*“The PEO Ships Team strives to deliver high-quality, mission-capable ships on cost and on schedule. Our team of military and civilian professionals is committed to a relentless drive for affordability and efficiency to drive down the total cost of the surface Navy.”*

– Rear Adm. Bill Landay, Program Executive Officer Ships

### Programs underway to build the Future Surface Force

Delivering high-quality ships to the Fleet, on schedule at an affordable cost, is key to supporting the Maritime Strategy.

- **Littoral Combat Ship** – USS Freedom (LCS 1) was delivered to the fleet in Sept. 2008 and is currently preparing for her first deployment. Independence (LCS 2) was delivered to the fleet in Dec. 2009 and will be commissioned in Jan. 2010. Fort Worth (LCS 3) and Coronado (LCS 4) are under construction and are expected to deliver to the fleet in 2012. Both ships were awarded under fixed-price contracts, and key lessons learned during the construction of both lead ships are being leveraged to drive down the costs of the next ships.
- **DDG 1000** – The future USS Zumwalt (DDG 1000), currently under construction at Bath Iron Works and Northrop Grumman Shipbuilding, continues to meet cost and schedule goals.
- **DDG 51** – Five ships of the class are currently under construction and these highly capable ships continue to be delivered at the highest possible quality allowing seamless transition to the fleet. Serial production of DDG 51 class ships has allowed cost to be reduced while increasing capabilities.
- **LPD 17** – Five ships of the class have been commissioned and four more are currently under construction. The LPD 17 program has matured as it moves further into serial production.
- **Joint High Speed Vessel** – JHSV is a joint Army-Navy program to deliver high-speed, shallow-draft surface ships capable of rapid transport of cargo and personnel to areas without developed infrastructure. Construction on the first JHSV began in Dec. 2009. The program is driving down cost and reducing risk by leveraging proven commercial technology, ensuring stable requirements, and implementing modular manufacturing techniques.
- **T-AKE** – Eight T-AKE class ships have been designed, constructed, and delivered to the Navy with a substantial reduction of build cycles from hull to hull. T-AKEs have recently been delivering two-three months early, and with fewer than 50 percent of the man-hours required to build the first ship. These are the most flexible underway replenishment ships designed to date.
- **High-performance boats and combatant craft** – Successful execution of the maritime strategy requires the acquisition and construction of high performance boats and craft for the U.S. Navy, other government agencies and our foreign allies. Annually, more than 300 boats and combatant craft are built at more than 20 U.S. shipyards.

### Key Messages

- The Navy is committed to reinforcing affordability and efficiency in shipbuilding programs by working with shipbuilders to identify production improvements and efficiencies.
- The Navy is committed to ensuring a high degree of design and production-planning maturity prior to the start of construction to minimize cost and schedule risk in shipbuilding programs.
- Achieving and sustaining a capable fleet depends on getting ships into stable production, which will lead to significant cost and schedule efficiencies.

### Facts & Figures

- The [2010 Surface Navy Association National Symposium](#) is being held in Arlington, Va., Jan. 12-14.
- In 2009, seven ships were delivered to the fleet, including two T-AKEs, two DDG 51s, LPD 21, LHD 8 and LCS 2.
- This year, more than 270 high performance boats and craft were delivered, including almost 90 Foreign Military Sales deliveries.
- PEO Ships is currently managing the design and construction of 21 major surface ships and a wide range of high-performance boats and combatant craft.