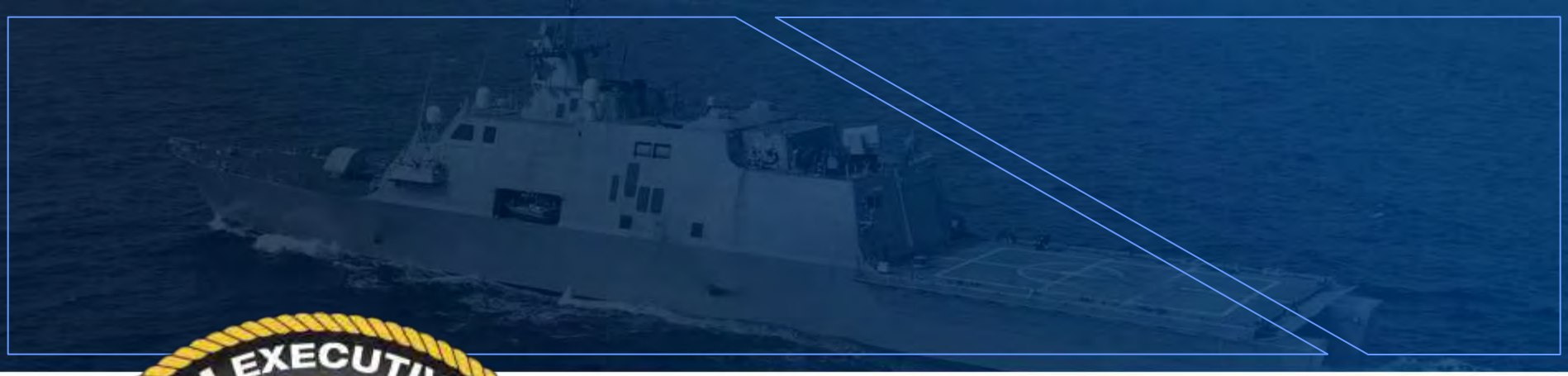

Expeditionary Warfare Systems Acquisition Challenges

26 October 2011

RDML Jim Murdoch, USN
PEO LCS

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The Business of PEO LCS

LCS Seaframes

Mission Modules

Accelerating Innovation through Open Architecture!

Fleet Introduction

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Littoral Combat Ships

- Modular open systems architecture
  - Flexible system for dynamic battle space
  - Advanced unmanned air, surface, and underwater vehicles
  - Onboard sensors, weapons, command & control
  - Mission modules interchangeable
  - Maximizing interchangeable components within modules
- Optimized for warfighting in the littoral
  - Unique designs for unique environment
  - Fast, maneuverable, shallow draft
- Targeted at critical capability gaps
  - Reconfigurable single mission focus
  - Mines, small fast surface craft, diesel submarines
- Joint Force multiplier
  - Fully netted with battle force

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What is different about LCS?

- Small crew size – Smaller organic workforce aboard ship
- Train to Qualify/Train to Certify
- Ship designed with less redundant systems, but more planned Steaming Hours with multiple crews
- Programmed operating and shortened regular maintenance cycles
- Mission Module maintenance ashore
- Management and execution of "Command Programs" moved ashore
- First class of ship with Material Reliability and Availability metrics in the Acquisition Strategy

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PEO LCS History

- ☑ 01 Feb 02 — ASN (RDA) Established LCS Program Office
- ☑ 17 Mar 03 — PEO (Ships) given overall responsibility for Program Management, PEO (LMW) for Mission Modules and PEO (IWS) for Warfare System development and integration
- ☑ 05 May 11 — ASN(RDA) memo directs formation of PEO LCS:

THE ASSISTANT SECRETARY OF THE NAVY
(Research, Development and Acquisition)
WASHINGTON, DC 20350-1000

MAY 5 2011

MEMORANDUM FOR DISTRIBUTION

SUBJECT: ESTABLISHMENT OF PROGRAM EXECUTIVE OFFICE (LITTORAL COMBAT SHIPS) [PEO LCS]

The Littoral Combat Ship (LCS) is a critically important shipbuilding program and demands the very best skill and effort from our acquisition and industry teams to be successful. It also demands that we look carefully at how we are organized to succeed. The LCS program, its mission systems, and its mission modules include very complex interdependencies that through improved alignment would lead to improved program execution and effectiveness. To ensure that we declined this program to the Fleet successfully, I am establishing a new Program Executive Office (Littoral Combat Ships) [PEO LCS] that will align several program offices into one consolidated PEO, dedicated entirely on delivering the LCS program. It will include the LCS Ship Program Office, plus necessary mission module and mission systems program offices. Fleet introduction program offices, and functional offices, such as Test and Evaluation, will under a single PEO. The Secretary of the Navy has approved Rear Admiral Jim Murdoch to be the Program Executive Officer and he, Jane Dunbar to be Executive Director, providing the new PEO strong leadership and experience in these two DOMAINS.

Establishment of the PEO will be accomplished as "zero-sum." We will disestablish PEO (Littoral and Mine Warfare) [PEO LMW] and assign its LCS-mission system/module programs and staff to the newly established PEO [LCS]. Other PEO LCS programs or appropriate. The transferred to other PEOs or SYSCOM Directorates as appropriate. The LCS Program Office within PEO [SHIPS] will transfer to the new PEO. and a Fleet Introduction office will be established under this new PEO. Naval Sea Systems Command, we, Brian Persons, will work with my staff and the affected PEOs to implement the details of these assignments and stand up the new PEO on or about July 1, 2011.

I want to emphasize that the work accomplished by the leadership and workforce in PEO [LMW] and PEO [SHIPS] on the LCS program has put it on a stable trajectory to succeed as we go forward. This realignment will build upon those accomplishments.

Sean J. Stackley

- **Reorganization will include the following offices:**
  - **Littoral Combat Ship program (PMS 501)**
  - **LCS Mission Modules (PMS 420)**
  - **Remote Minehunting System (PMS 403)**
  - **Unmanned Maritime Systems (PMS 406)**
  - **Mine Warfare (PMS 495)**
  - **Fleet Introduction (PMS 505)**

EFFECTIVE 11 JUL 2011, THE OFFICES THAT MANAGE THE SEAFRAME AND MISSION MODULE PROGRAMS WERE COMBINED UNDER A SINGLE PROGRAM EXECUTIVE OFFICE – PEO LCS

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Near Term Focus

- Improve program **integration and execution**
  - Balancing the demands of program cost, schedule and performance requirements so that we may deliver and sustain timely, credible Littoral Combat Ship capability to the Fleet
- Formally establish a LCS **Fleet Introduction Program Office,** with defined roles, missions and staff
  - Support the **requirements** of Littoral Combat Ships, the **integration** of aviation capabilities, and improve test and evaluation efforts
- Assess proposed LCS new mission capability, ensuring that we sustain ship design **stability and affordability** throughout our contracted block procurements.

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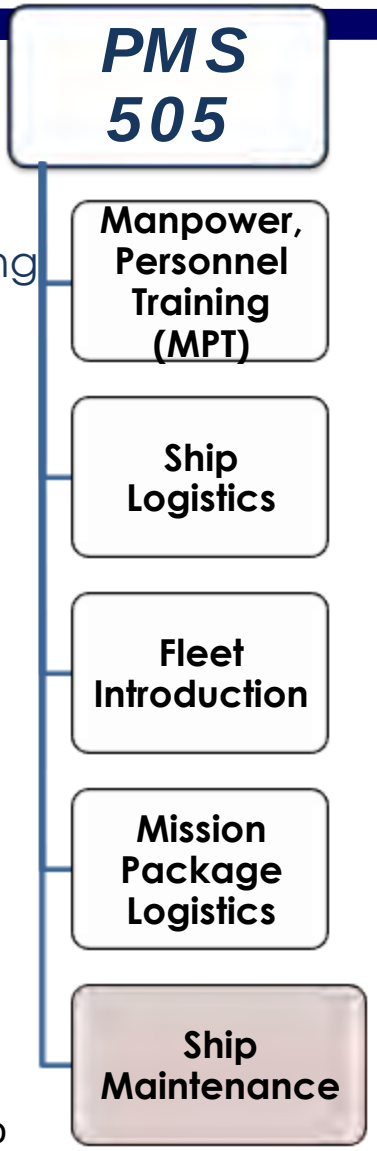
PMS 505 Fleet Introduction and Sustainment

- Combine all aspects of LCS Fleet Introduction and Sustainment under one Program Office
  - Encompasses the functions and responsibility currently residing in multiple program offices within NAVSEA
  - Provides a single point of entry for the Fleet, Type Commander, and the Maintenance and Sustainment communities
  - Seaframe and Mission Package training will be broken out from their respective Logistics departments (under PMS 501 and PMS 420) and integrated in one department under PMS 505
    - Increased focus on Manpower, Personnel, Training
  - New construction and in-service Logistics support will be combined to leverage experienced support personnel
  - Establish and manage maintenance processes that will support the full service lives of the ships and mission modules



= HQ(DC) = San Diego

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It is time to:

- Bring together the focused mission capabilities we need to address today's and tomorrow's threats, while retiring yesterday's systems
- Seek, more actively, the thoughts of the fleet and learn from the past two years of LCS operation
- Get these capabilities through operational testing
- Consider, in innovative ways, where the unique LCS design philosophy can take us in new mission roles

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Questions