Agenda

♦ 2016

  – Testing
  – Serial Production
  – Performance

♦ 2017

  – Events
Operational Testing

SeaRAM Firing

Swarm Raid
Live Fire

FSST - LCS 5

FSST - LCS 6

FSST - LCS 5

FSST - LCS 6

FSSS - LCS 4

Distribution Statement A: Approved for public release
Delivery

LCS 8

LCS 7

LCS 10

Distribution Statement A: Approved for public release
Commissioning

LCS 7

LCS 8
LCS Post Delivery Timeline

SCN Acronyms

- CMA: Crew Move Aboard
- OWLD: Obligated Work Limiting Date
- IPDA: Industrial Post Delivery Availability
- CMAV: Continuous Maintenance Availability
- FCT: Final Contract Trial
- WOO: Window of Opportunity
- CSSQT: Combat Systems Ship Qualifications Trial

1. PMS 501 Production Team
2. New Construction (PMS 501)
3. PMS 501 Post Delivery
4. Construction & Test
5. IPDA
6. Post Sail
7. CSSQT DT/OT
8. CSSQT DT/OT
9. Pre PSA WOO
10. PSA
11. Post PSA WOO
12. Sea Trials
13. Commissioning
14. FCT
15. SCN OWLD (11 months after fitting-out)

In service (PMS 505)
Fleet & Life Cycle Support

Distribution Statement A: Approved for public release
Major Improvements Incorporated

LCS 1-3-5AF

- Lethality Upgrade
  - OTH Missiles
- Changed to ALEX Decoy System (DLS) – Common with GD Design
- Changed to BAE FCS-57 Gun Fire Control System
- TRS 4D Radar LCS (17AF)
- Survivability Upgrade
  - Magazine Protection
- Survivability Upgrade
  - Lightweight Tow (LWT)
- SeaRAM LCS (17AF)
- Change to LM Machinery Control System (MPCMS)
- Hangar Mezzanine
- Raised Anchor
- Split Stern Tube Seals
- Additional Buoyancy Tanks
- Corrosion Improvement in Water-borne Mission Zone
- Reinforced Stern Ramp
- GT Electric Start
- Main Space Ventilation
- Berthing Increased to 98
- Axial Flow Waterjets
- Replace 2 Adrick with 3 York Chiller Plants (17AF)
- Renk Reduction Gear
- Fin Stabilizer Removal (9AF)
- Seawater Service Redundancy (9AF)
- High Pressure Common Rail SSDG
- Change to 7m RHIB (23AF)
- LCS 1 to 3
- LCS 3 to 5AF
- Lethality/Survivability
Major Improvements Incorporated
LCS 2-4-6AF

- New anchor winch & improved bow configuration
- Increased berthing capacity to 98
- Added 4th Fire Pump
- Improved Load Shed
- GRP Black and Gray Water Tank
- Machinery Room Ventilation
- New Oil-Water Separator
- Improved AT/FP
- Added Impressed Current Cathodic Protection System in water jet tunnels
- Upgraded MPDE exhaust material to CRES
- Cosser/2002064
- Added Impressed Current Cathodic Protection System in water jet tunnels
- Improved berthing capacity to 98
- Increased berthing capacity to 98
- Added 4th Fire Pump
- Improved Load Shed
- GRP Black and Gray Water Tank
- Machinery Room Ventilation
- New Oil-Water Separator
- Improved AT/FP
- Added Impressed Current Cathodic Protection System in water jet tunnels
- Upgraded MPDE exhaust material to CRES

Distribution Statement A: Approved for public release
2017 Events

♦ Launches

- Billings (LCS 15), Tulsa (LCS 16), Indianapolis (LCS 17), Charleston (LCS 18)

♦ Trials

- Little Rock (LCS 9), Sioux City (LCS 11), Omaha (LCS 12), Wichita (LCS 13), Manchester (LCS 14)

♦ Commissionings

- Little Rock (LCS 9), Gabrielle Giffords (LCS 10), Sioux City (LCS 11), Omaha (LCS 12)

♦ Post Delivery Test and Trial Period

- Milwaukee (LCS 5), Jackson (LCS 6), Detroit (LCS 7), Montgomery (LCS 8), Little Rock (LCS 9), Gabrielle Giffords (LCS 10), Omaha (LCS 12)