LCS Mission Modules Program

Delivering Capability to the Warfighter

NAVSEA
Supporting the Fleet Today

- Surface Warfare MP has deployed on three different Littoral Combat Ships supporting operations in South East Asia
- Mine Counter Measure (MCM) Aviation capabilities (Airborne Mine Neutralization Module and Near Surface Detection Module) and COBRA have reached Initial Operational Capability
Supporting the Fleet Today
Surface Warfare (SUW) Mission Package

- SUW MPs with Gun Mission Module (GMM) and Maritime Security Module (MSM) are in the Fleet and successfully deployed to South East Asia aboard USS Freedom, USS Fort Worth, and USS Coronado
- On track to complete testing of the Surface-to-Surface Missile Module (SSMM) in FY 2018
  - SSMM with Hellfire Longbow testing to date has resulted in 20 successful engagements out of 24 total missile shots (success rate of 83%)
  - Embarked an SUW MP with SSMM on LCS 5 in August 2017 to support testing in FY 2018
  - Plan on track to transition SSMM to production in FY2018 and deliver first production asset in FY 2020
  - Complete procurement of SSMMs in FY 2023
SSMM Testing
Anti-Submarine Warfare (ASW) Mission Package

- **Escort Mission Module (EMM)** - Utilizes a continuously active Variable Depth Sonar (VDS), integrated with a Multi-Function Towed Array (MFTA), to provide a revolutionary surface ship anti-submarine capability by allowing LCS to move the acoustic source and receiver above or below the thermal layer
  - Awarded EMM development and production contract in Q2FY2017
  - Design level engineering complete and Pre-Production Test Article (PPTA) delivers in 2018
  - AUTEC Acoustic Testing scheduled for FY2019

- **Light Weight Tow (LWT) Torpedo Defense Module (TDM)**
  - being installed on all LCS ships, regardless of MP
  - Four Engineering Development Models (EDMs) produced to support testing in FY2018
  - White ship test at the Canadian Forces Maritime Experimental & Test Ranges (CFMETR) in Q2FY2018

- **ASW MP IOT&E planned for late FY2019**

- **Navy looking to leverage LWT and EMM technologies for FFG(X)**

*Provides a game changing ASW capability not fielded on any other surface combatant*
MCM Mission Package

- Achieved IOC for the aviation based systems (ALMDS/AMNS) in November 2016 and have certified for deployment off LCS-2 variant
- COBRA completed system-level operational testing in June FY 2017 and achieved IOC from MQ-8B in July 2017 with LCS integration testing being conducted in Q2FY2018
- Unmanned Minesweeping and Knifefish testing planned in FY2019
- Plan to conduct MCM MP developmental/operational testing in FY2020 and achieve IOC in FY2021
PMS420 is delivering deployable capability to the Fleet today
Mission Packages have transitioned from design to test with a push to IOC and transition to production

Continuing to deliver Warfighting Capability
QUESTIONS?