LCS Mission Modules Program

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Program Manager
LCS Mission Modules (PMS 420)
Mission Package Milestones

- **Surface Warfare Mission Package:**
  - All Mission Modules Certified for Deployment

- **Anti-Submarine Warfare Mission Package:**
  - Completed integration on FRE Variant (LCS 3)
  - LCS testing continuing

- **Mine Countermeasures Mission Package**
  - Completing final unmanned systems integration & testing
Surface Warfare (SUW) Mission Package

**SUW MP Supporting Fleet Deployments**
- Four SUW MPs deployed to 4th Fleet AOR
- Three MPs deployed to 7th Fleet AOR (1 SUW, 2 Hybrid OAMCM/Maritime Security)
- Five Surface-to-Surface Missile Module (SSMM) units in production. 1st unit ready for deployment Q3 FY22
- Gun Mission Modules (GMMs) and Maritime Security Modules (MSMs) in sustainment and operationally deployed

**Ongoing Advanced Experimentation Efforts**
- Jaded Thunder (May 2022)
- Coalition Warfare Program

SUW MP deployed in numbers supporting Fleet Operations

Distribution A: Approved for Public Release; Distribution Unlimited
Progressing Through Integration and DT Events
- Testing hydrodynamic stability through the full range of operational requirements with active controls
- System suitability and reliability improvements in progress

Testing Continues in FY22
- Hydrodynamic testing
- System performance characterization against projected threats and environments on LCS

First Production Unit
- 1st production unit will incorporate improvements as a result of developmental testing
Mine Countermeasures (MCM) Mission Package

- **MCM MP with OAMCM Forward Deployed**
  - Aviation MCM MMs certified for deployment on both LCS variants

- **Finishing Unmanned MM Integration on IND Variant**

- **MCM MP Progressing Toward IOC**
  - MCM MP IOT&E FY22 on IND variant

Distribution A: Approved for Public Release; Distribution Unlimited
MCM USV (Unmanned Influence Sweep System/Minehunt)

- **Completed UISS IOT&E June 21 - (LCS 14)**
  - MCM USV + Sweep (UISS) completed Shipboard IOT&E FY21
  - UISS on track to achieve IOC FY22.

- **MCM USV Minehunt**
  - MCM USV Minehunt DT/OT- FY22

- **MCM USV / Payload Production**
  - MCM USV LRIP – Delivery FY22
  - AQS-20C deliveries commence in FY23
  - Payload Production—RFIs on the street- RFP release planned FY22

Completed Sweep Payload (UISS) IOTE
MCM USV in Low Rate Initial Production

Distribution A: Approved for Public Release; Distribution Unlimited
Knifefish

- **Knifefish in Low Rate Initial Production**
  - Two Block 0 Systems to support system suitability and MCM MP integration and testing through FY22
  - Block 1 Retrofit contract will upgrade all five Block 0 systems
  - Block 1 IOTE planned FY23 and production contract planned FY24

- **Knifefish Block Improvement Program**
  - Bolstering performance in deeper and complex bottom types to meet Fleet challenges

Distribution A: Approved for Public Release; Distribution Unlimited
LCS MCM Mission Package UXS

**MINE NEUTRALIZATION**

- Mine Neutralization Payload Deployment System
- Barracuda Neutralizer

**MINESWEEPING**

- MCM USV Craft
- • Mine Sweep Payload Deployment System
  • Magnetic sweep cable and Mk 104 acoustic generator

**MINEHUNTING**

- Minehunting Payload Deployment System
- • Knifefish UUV Block 0
  • Bottom & Buried Mine Hunting
- • Knifefish UUV Block 1, 2
  • Deeper, Improved sensors
- • AN/AQS-20C Sonar

**MCM Mission Packages (24)**

- 24 Knifefish Systems (48 UUVs)
- Mission Package Portable C2 System

- Littoral Combat Ship (LCS)
- Vessel of Opportunity (VOO)

Distribution A: Approved for Public Release; Distribution Unlimited
Mission modules deliver critical combat capability to LCS
MCM MMs are completing final integration testing
ASW MM continuing to test to address hydro/reliability issues
Aviation MCM Mission Modules certified for deployment on both variants
All SUW Mission Modules certified for deployment
LCS MMs are in production, fielding and deploying to the Fleet