



# ***Maritime Academies Marine Board Fall Meeting***

**5 November 2019**

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Program Executive Officer  
Unmanned and Small Combatants**



# PEO USC Portfolio

**LCS delivers mission-focused capability to the Fleet**



ASW Mission Pkg



MCM Mission Pkg



Comms



Software



Fire Scout



MH-60 Helo



LCS Training

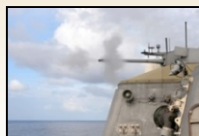


In-Service Support (Ships & Mission Packages)



LCS 1 Variant

LCS 2 Variant



SUW Mission Pkg

**International Small Combatants**



KNIFEFISH



XLUUV/AUP



LDUUV



RAZORBACK



LUSV



MUSV



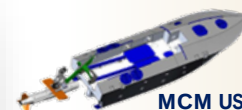
GHOST FLEET



MHUs



UISS



MCM USV



AN/AQS-20

**PEO USC SUMMARY**  
(ACAT or Equivalent)

- 3 - ACAT I
- 4 - ACAT II
- 3 - ACAT III
- 0 - ACAT IV
- 7 - Pre-ACAT
- 9 - Non-ACAT/Other



**Frigate (FFG(X))**



Hammerhead



QUICKSTRIKE



ALMDS



MH-53 AMCM



COBRA



MCM 1 Ship Systems



AMNS



BARRACUDA



MIW C2

Distribution A: Approved for Public Release; Distribution Unlimited.

**ACCELERATE | INNOVATE | DELIVER**



# Unmanned Maritime Systems

## Unmanned Surface Warfare



PROTOTYPES



LARGE USV



MEDIUM USV



## Unmanned Expeditionary Warfare



MINE COUNTERMEASURES USV



MINEHUNTING USV



KNIFEFISH

## Unmanned Undersea Warfare



SNAKEHEAD LDUUV



ORCA XLUUV



RAZORBACK

The Navy's 2020 budget request includes over \$1B of funding to invest in this technology

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# Core Technology Enablers

## ➤ Endurance

- Improved reliability & safety
- Increased endurance & range
- Support additional & more capable sensors

## ➤ Autonomy & Precision Navigation

- Increased levels of autonomy & decision making
- Increased accuracy & reliability

## ➤ Command, Control, and Communications

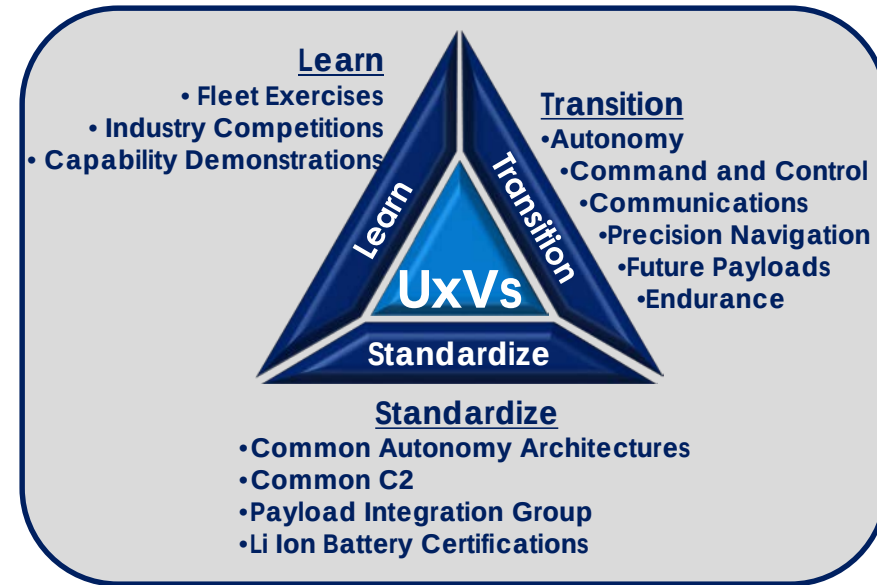
- Safely, autonomously & reliably launch & recover
- Standard Command, Control, & Communications

## ➤ Payloads & Sensors

- Increased capacity for sensors & payloads
- Increased capability

## ➤ Platform Integration

- Increased capability to launch & recover
- Increased coordination with host platforms



**Increasing the Maturity of Critical Technologies is Integral to Success**

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