

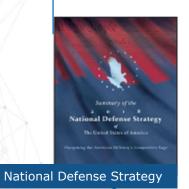
JANUARY 12, 2022



NAVY STRATEGY HIGHLIGHTS UNMANNED



"...advanced autonomous systems...to gain competitive military advantages" (NDS)



Memos: Project

Overmatch & Novel Force

Advantage at Sea

"...accelerating the development of the unmanned capabilities and long-range fires enabled by [Project Overmatch]" (Novel Force)





"Through a capabilitiesbased approach, we can build a future where unmanned systems are at the front lines of our competitive advantage." (UCF)

Unmanned Campaign Framework

2018

2020

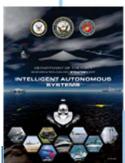
2021

"Cost-effective platforms and manned-unmanned teaming will increase the capacity of the fleet and expand our ability to distribute our forces" (AaS)



CNO Navigation Plan

"Unmanned platforms play a vital role in our future fleet" (NAVPLAN)



Intelligent Autonomous **Systems**

"To seamlessly integrate [Intelligent Autonomous Systems] as trusted members of the Naval Enterprise" (IAS)



UNMANNED MARITIME SYSTEMS ACQUISITION





PEO Unmanned and Small Combatants (PEO USC)

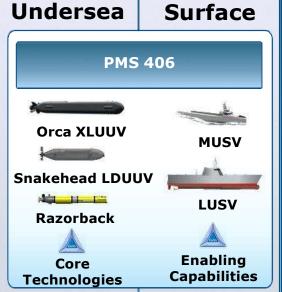
Expeditionary





MESR



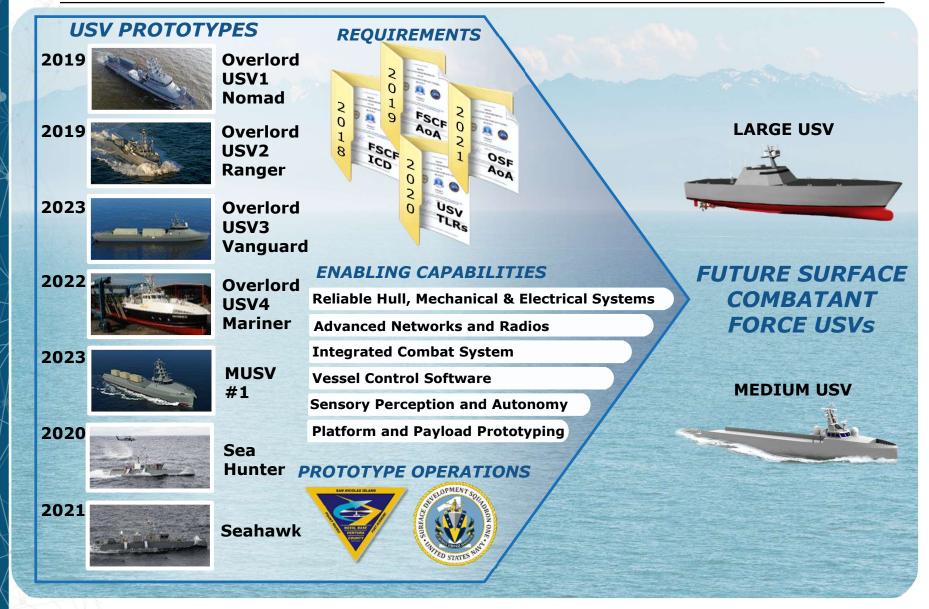


ACCELERATE | INNOVATE | DELIVER



UNMANNED SURFACE WARFARE







UNMANNED UNDERSEA WARFARE



SNAKEHEAD PHASE 1 PROTOTYPE



LTV 38/48/54" PROTOTYPES



RAZORBACK DRY DECK SHELTER (DDS)



TORPEDO TUBE LAUNCH & RECOVERY (TTL&R)



REQUIREMENTS





CORE TECHNOLOGIES

Autonomy and Command and Control

Payloads

Endurance

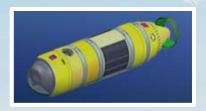
Platform Integration

PROTOTYPE OPERATIONS





SNAKEHEAD PHASE 2



SUBMARINE-HOSTED DIVERLESS LAUNCH AND RECOVERY UUVS

RAZORBACK TTL&R





UNDERSEA PAYLOAD DELIVERY





ORCA XLUUV



MEDUSA DEMONSTRATION



REQUIREMENTS





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PROTOTYPE OPERATIONS



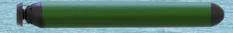


XLUUV + PAYLOADS



UNDERSEA PAYLOAD DELIVERY

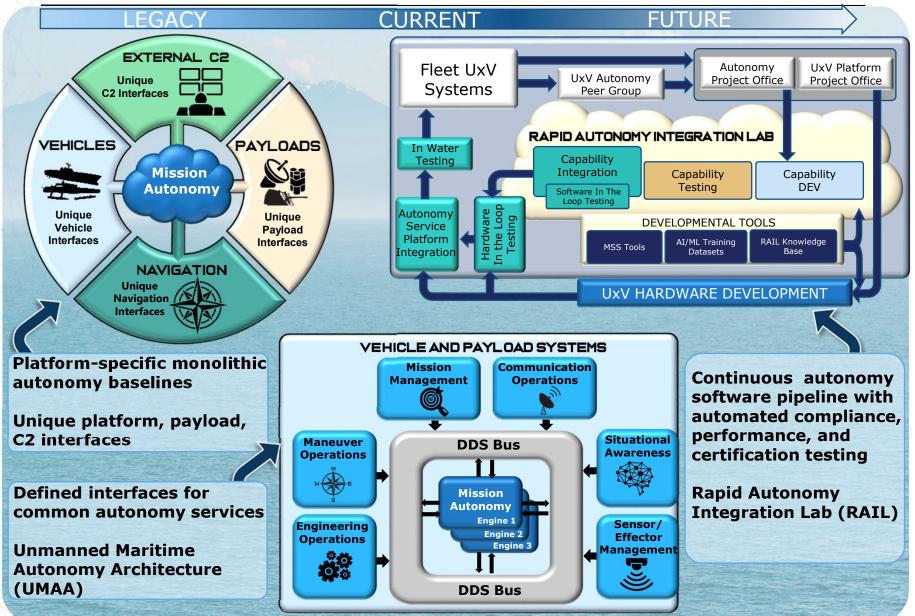
MEDUSA + PAYLOADS





AUTONOMY DEVELOPMENT



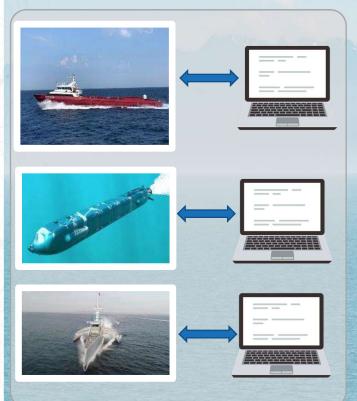




COMMAND AND CONTROL SYSTEM DEVELOPMENT









One to One C2 Solutions

Not Integrated Ashore or Afloat

Not Interoperable

Common core software (Common Control System-CCS)
Common Government developer and Software Support
Activity

Integration into ashore control centers (UOC) and afloat combat systems by Government PMOs