

Navy Proposes Elimination of Snakehead LDUUV program



Cheryl Mierzwa, Naval Undersea Warfare Center Division Newport's technical program manager for the Snakehead Large Displacement Unmanned Undersea Vehicle, christens the underwater vehicle at the Narragansett Bay Test Facility in Newport, Rhode Island, on Feb. 2. *U.S. NAVY*

ARLINGTON, Va. – Even as the U.S. Navy was christening the first prototype of the Snakehead large-diameter unmanned underwater vehicle (LDUUV) in February, planning was underway to cancel the program.

The Navy is proposing in its 2023 budget to eliminate the Snakehead program, according to the Navy Department's recently released Fiscal 2023 budget highlights book.

The Snakehead is intended to be a major advance in UUVs and designed to be the largest UUV to be deployed on the interfaces of the Navy's attack submarines. It is designed to be autonomous, modular and reconfigurable, equipped with a government-owned architecture. It features innovative hull materials and certified lithium-ion batteries. It is designed to be deployed from a modernized dry-deck shelter.

According to the budget highlights book, the major problem in the program was "Misalignment of Snakehead LDUUV design and procurement efforts with submarine hosting interfaces result[ing] in limited availability of host platforms to conduct Snakehead operations."

The book also said that "cost and schedule delays associated with LDUUV development and Virginia Class SSN [attack submarine] integration prohibited further investment."

The only alternative launch and recover interface for the

Snakehead is the Modernized Dry Deck Shelter. The U.S. Special Operations Command in conjunction with the Navy is modernizing three Dry Deck Shelters between 2022 and 2026. They are scheduled to become available for use in 2022, 2023, and 2026, respectively.

Under Phase One of the Snakehead program, only one vehicle was built.

The Navy estimates the cancellation of Phase Two of the program and future Snakehead procurement will save the Navy \$185.9 million in fiscal 2023, resulting in a total savings of \$516.8 million over the Future Years Defense Plan.

The Snakehead Phase One prototype was christened on Feb. 2 at the Narragansett Bay Test Facility in Newport, Rhode Island, by a team from the Naval Undersea Warfare Center Division Newport and the Program Executive Office for Unmanned and Small Combatants.