

Navy Orders Unmanned Influence Sweep System from Textron



A developmental, early variant of the Common Unmanned Surface Vehicle (CUSV) autonomously conducts maneuvers on the Elizabeth River during its demonstration during Citadel Shield-Solid Curtain 2020 at Naval Station Norfolk. A development of the vehicle, the Mine Countermeasures USV, is part of the Unmanned Influence Sweep System. *U.S. NAVY / Mass Communication Specialist 2nd Class Grant G. Grady*

ARLINGTON, Va. – The Navy has ordered another Unmanned Influence Sweep System (UISS) unmanned surface vehicle (USV) from Textron, the Defense Department announced.

The Naval Sea Systems Command awarded Textron Systems a \$12.9 million contract for one low-rate initial production (LRIP) UISS, the Navy's first USV program of record. The UISS was approved for LRIP in February 2020, after which the Navy placed an order for three systems. This latest award brings the LRIP lot to four systems.

The UISS is a stand-off, semi-autonomous system designed with the capability to counter acoustic and/or magnetic mines. It includes a magnetic cable that tows a modified Mk104 sound source towed by a Mine Countermeasures USV (MCM USV). The Mk104 uses cavitation to create sound while the cable establishes a magnetic field to detonate mines. Developmental test and operational assessment was completed in November 2019. The UISS is to be deployed in the mine countermeasures package for LCSs and also on vessels of opportunity.

The MCM USV is a development of Textron's Common USV (CUSV), a multi-mission vehicle capable of carrying multiple payloads including side-scan sonar, mine neutralization, non-lethal

weapons, and intelligence, surveillance and reconnaissance sensors.