Ultra Wins Subcontract as Part of the Underwater Warfare Suite Upgrade Project

DARTMOUTH, Nova Scotia – Ultra Electronics Maritime Systems (Ultra) has been awarded a significant contract award from General Dynamics Mission Systems–Canada to supply the new in-line transmitter and receiver array as part of General Dynamics' successful win of the Underwater Warfare Suite Upgrade (UWSU) project for the Royal Canadian Navy, Ultra said in an Oct. 2 release.

Combined with the recently completed Halifax-class modernization program, the UWSU project will enable a step-change in underwater search capability that will see Canada's Halifax-class frigates well-equipped for antisubmarine warfare (ASW) operations long into the future.

Ultra's transmitter solution for UWSU is a made-in-Canada solution originally conceived at Defence Research and Development Canada Atlantic Research Laboratory. The solution enables sound energy to be steered only in the direction of interest, and with the transmitter and receiver combined in-line in a single towed array, the requirement for a second independent tow for the transmitter is eliminated – allowing the single reelable array to be installed on the Halifax class with minimal modification.

The single-tow, in-line transmitter also significantly increases the ship's operational envelope because of the transmitter's ability to operate at full power in shallow waters. Ultra's array solution for UWSU is second-generation technology that has been operationally proven with international customers.

"We are proud that our UWSU passive-active, in-line, reelable

sonar brings to Canada an innovative low-frequency active ASW solution that will provide a significant increase in capability for the Royal Canadian Navy," said Bernard Mills, president of Ultra Electronics Maritime Systems.