

Department of the Navy SBIR/STTR Transition Program

Pending SYSCOM Review

Topic # NUWC-4

Point Load Sensor

Naval Undersea Warfare Center Newport

WHO

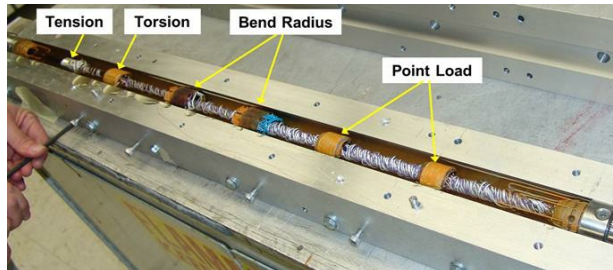
SYSCOM: NAVSEA

Sponsoring Program:

Transition Target:

TPOC:

Other transition opportunities:



Point Load Sensors in the HSMS Sensor Module as it is being Potted

WHAT

Operational Need and Improvement:

Specifications Required:

Technology Developed: Developed as part of the Towed Array Handling System Measurement System (HSMS) for a towed array, the point load sensor measures how much squeeze type forces an array sees in the handler, irrespective of the arrays circumferential orientation as it goes through the handler. A critical part of the HSMS, the invention allows non-acoustic measurement and characterization of forces on the array to test the impact of engineering changes to the handler as well as new handling system concepts. The HSMS is reeled into and out of the handler with the submarine in dry dock or pierside and utilizes the existing ship signal path eliminating the need for ship alterations or diver support. Protected under US Pat. No. 9,176,015.

Warfighter Value:

WHEN

Contract Number: T2-ORTA-NUWC-4

Milestone	Risk Level	Measure of Success	Ending TRL	Date
-----------	------------	--------------------	------------	------

HOW

Projected Business Model:

Company Objectives:

Potential Commercial Applications:

Contact: Technology Partnerships Office,
NUWC_NPT_TPEO@navy.mil 401-832-8728