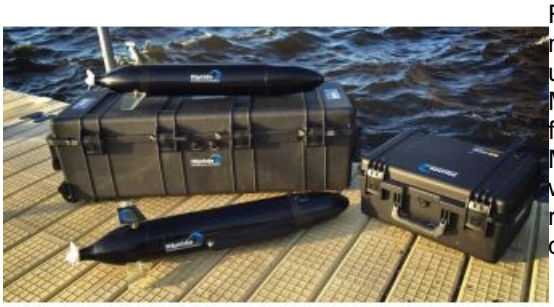
Riptide Autonomous Solutions and Draper Deliver Maritime Open Architecture Autonomy



Riptide Autonomous Solutions and Draper have agreed to implement maritime open architecture autonomy (MOAA) on all Riptide unmanned undersea vehicles (UUVs) delivered to the US government. Draper developed MOAA for the US government as an extensible open architecture framework for autonomous mission controllers for autonomous undersea vehicles (AUVs). MOAA capabilities have been demonstrated at-sea on multiple AUV classes with capabilities applicable to various undersea mission areas. This work represents millions of dollars of investment and decades of research and development.

Approval

Draper has requested and received approval from the Naval Undersea Warfare Center Division Newport (NUWC-NPT) to provide MOAA as an option on all Riptide UUVs sold to the US Government or Government purposed vehicles. This will be a no cost option on all Riptide UUVs for eligible users.

Dr. Dani Goldberg, leading the software effort for Riptide, noted "the availability of MOAA on Riptide UUVs is a direct result of our flexible and open software architecture." Joel Parry of Draper added "MOAA provides a great number of proven capabilities for Government UUV customers and Draper is pleased to collaborate with Riptide to significantly increase the number of MOAA enabled platforms in the field with Riptide's rapidly growing vehicle fleet."

Riptide UUVs with MOAA will be available for delivery in the second quarter of 2018.