

NOAA Uncrewed Marine Systems Division



Office of Marine and Aviation Operations

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Development, Transition, and Innovation

- Develop and transition the latest technologies and innovative solutions to substantially enhance and sustainably expand NOAA's operational capabilities.

Operations and Support

- Provide enduring UxS capabilities, support, and expertise to fundamentally advance NOAA missions and impacts.

UxS Leadership and Collaboration

- Be NOAA's authoritative source of UxS policies and oversight to ensure safe operations, and promote collaboration, sharing of best practices, and visibility of UxS activities.



DriX Operations

- Fisheries

- Working in tandem with OSCAR DYSON (trawling + acoustic sampling) using EK80 echo sounder.

- Hydrography

- Using in tandem with THOMAS JEFFERSON performing hydrographic surveys using EM 2040 Multibeam.
- Efficiency:
 - TJ produced 740 LNM/30 DAS
 - Drix produced 2041 LNM/30 DAS
 - **What can we do with two DriXs?**

- Shore Based Operations

- Gulf of Maine (Two DriX)
- 2683 LNM/16.7 days
- 420 square nautical miles surveyed
- **Force (Vessel) Replacement**



Doing Business with UxS Operations Center (UxSOC)

We offer two different Request for Proposals (RFP) annually (internal).

1. **NOAA Breakthroughs with Uncrewed System Technology.**

This RFP includes approximately \$2.5M for the research, development, evaluation, and advancement of aircraft and marine uncrewed systems, is open to all Line Offices, and must have a NOAA Federal Principal Investigator. Collaboration and partnership with Cooperative Institutes and Academic Institutions is strongly encouraged, as Congressional direction requires that the majority of these funds must go to academic institutions. (3 year funding)



Doing Business with UxS Operations Center (UxSOC)

2. NOAA Uncrewed Marine System (UMS) Services.

This RFP includes approximately \$8.0M for contracting private sector assets and data buys to execute NOAA missions where the value proposition is highest, per Congressional direction. This solicitation is open to all Line Offices, and submissions must have a NOAA Federal Principal Investigator. Co-Investigators may be Federal, state/territory, or tribal employees, private industry personnel, NOAA Cooperative Institute partners, or other academic personnel. (2 year funding)



UxS Industry Engagement

- **The UxS Operations Center hosts a regularly UxS Industry Engagement Forum the last Wednesday of each month (3-4pm EST).**
- **The purpose is the following:**
 - Allow NOAA scientists to understand new industry capabilities
 - Allow industrial partners to hear more about NOAA requirements
 - Allow NOAA and industry to directly engage, with connections made for continued engagement
- <https://www.oma.noaa.gov/uncrewed-systems/external-partners>