

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2025-243
Item to be Scouted	Doppler Current Profiler
Days to be scouted	15
Response Due By	08/14/2025
Description	Seeking a doppler current profiler similar in form, fit, and function to the SeaGuard II SW multiparameter instruments with current, temperature, and pressure sensors, battery, shell, and instrument case.

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Electronic assembly. The manufacturing process is not known outside of the attached statement of work.
Provide dimensions / size / tolerances / performance specifications for the item	<p>These data are critical for maintaining NOAA's scientific and operational capabilities that support U.S. economic interests, including the management of commercially valuable fisheries and protection of maritime resources.</p> <p>Quick Specifications:</p> <p>Physical</p> <p>Diameter: 139mm</p> <p>Length: 356mm</p> <p>Depth rating: 300m</p> <p>Data Storage: SD card up to 4GB</p> <p>External supply voltage: 6-14v DC</p> <p>Current Meter</p> <p>Resolution: 0.1mm/s</p> <p>Range: 0-300 cm/s</p> <p>Optode</p> <p>Resolution: 0-500 µM</p> <p>Range: < 0.1 µM</p> <p>Pressure sensor</p> <p>Resolution: .0001%</p> <p>Range: 0-4,000KPA</p> <ul style="list-style-type: none">• Continuous, fixed-depth measurements over long deployment periods — a critical requirement• The required included sensors (current, temperature, pressure) must be integrated within a single modular instrument housing
List required materials needed to make the product, including materials of product components	Various as required to meet specifications.
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
Additional Technical Comments	Similar products manufactured by Teledyne Instruments do not meet the requirements.

Section 4: Business Information

Estimated potential business volume	One time purchase of 2 doppler current profilers
Estimated target price / unit cost information (if unavailable explain)	Aggregate price of \$50,000.00 for instruments with all accessories listed above.
When is it needed by?	Immediate
Describe packaging requirements	No packaging requirements specified by the program. Best available. Delivered undamaged. Specifics discussed in negotiation.
Where will this item be shipped?	Seattle, WA

Additional Comments

Is there other information you would like to include?	<p>This is a Simplified Acquisition, which has a shorter lead time to completion than an action over \$250,000. It is expected that this requirement will be awarded within the next 30 days, and any timely scouting (requested completed within 15 days from submission) would be appreciated to align with Simplified Acquisition requirements for posting and the Buy American Act Waiver process.</p> <p>Agency providing funds: DOC/NOAA Name/POC for BABA related questions: Marcelle Loveday Email address of contact: mloveday@doc.gov</p>
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STATEMENT OF NEED

(145027-25-0074)

PURPOSE:

The NOAA EcoFOCI program at NOAA PMEL requires a SeaGuard II current meter to collect long-term measurements of ocean currents, temperature, and oxygen at key mooring sites in the Bering and Chukchi Seas to support ecosystem monitoring and fisheries management.

BACKGROUND:

The EcoFOCI program at DOC – NOAA – PMEL seeks to acquire two Aanderaa SeaGuard II current meter instruments to upgrade NOAA's long-term biophysical mooring arrays in the Northern Bering and Chukchi Seas. These moorings support NOAA's only sustained biophysical time series in the region, with core sites active for over 30 years. The SeaGuard II provides high-resolution measurements of ocean currents, dissolved oxygen, and pressure—key parameters for monitoring ecosystem change in Alaska's marine environments. These data are critical for maintaining NOAA's scientific and operational capabilities that support U.S. economic interests, including the management of commercially valuable fisheries and protection of maritime resources. This effort supports federal mandates under the Magnuson-Stevens Fishery Conservation and Management Act (16 U.S.C. §§ 1801–1882), as well as initiatives to modernize infrastructure and streamline federal operations under Public Law No. 117-58 and Public Law No. 117-169. Investing in modern, cost-effective instrumentation like the SeaGuard II ensures the continuity and integrity of foundational datasets that directly support sustainable fisheries, reduce long-term maintenance and operational costs, and advance American leadership in ocean science. Failure to replace outdated instruments threatens NOAA's ability to support the billion-dollar commercial fishing industry in the Bering Sea and U.S. Arctic—jeopardizing regional food security and the economic vitality of Alaska and the US.

TECHNICAL SPECIFICATIONS:

Physical

Diameter: 139mm

Length: 356mm

Depth rating: 300m

Data Storage: SD card up to 4GB

External supply voltage: 6-14v DC

Current Meter

Resolution: 0.1mm/s

Range: 0-300 cm/s

Optode

Resolution: 0-500 μ M

Range: < 0.1 μ M

Pressure sensor

Resolution: .0001%

Range: 0-4,000KPA

- Continuous, fixed-depth measurements over long deployment periods — a critical requirement
- The required included sensors (velocity, temperature, pressure, and dissolved oxygen) must be integrated within a single modular instrument housing

DELIVERY SCHEDULE:

Sep 30, 2025

DELIVER TO:

David Strausz
7600 Sand Point Way NE
Seattle, WA 98125

SHIPPING INSTRUCTIONS:

When items are ready, PMEL can provide a shipping account to ship them under.

GOVERNMENT POINTS OF CONTACT:

Administrative (SEND INVOICES TO):

Weiming Tan
7600 Sand Point Way NE
Seattle, WA 98125
516-737-1332

Technical:

David Strausz
david.strausz@noaa.gov
206-526-4510