MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2025-072
Item to be Scouted	Flow Sensor and Batteries
Days to be scouted	15
Response Due By	03/27/2025
Description	Purchase of a flow sensor equivalent in form, fit, and function to the Scanmar Flowsensor HC4-TSS and two additional, compatible batteries to install on a currently owned sensor that is failing. The sensor will be used on bottom trawl surveys to monitor net performance during towing operations and to ensure optimal towing speed and trawl symmetry. NOAA is acquiring a spare or additional part (FLOW sensor and spare batteries for FLOW sensor) of a Scanmar trawl monitoring system currently aboard the vessel. The FLOW sensor is deployed in the trawl. It communicates with hydrophones on the vessel, which then relay the data signals to the Scanmar processor/computer onboard.
Notify Requester Immediately	
State item to be used in	Massachusetts

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	The electronic components are assembled, and then a protective coating/mounding process is applied. This is to protect the sensor from water intrusion and the physical pounding when hauling in trawl gear.
Provide dimensions / size / tolerances / performance specifications for the item	- Capability to measure the speed of waterflow into the trawl opening and trawl symmetry - Compatibility of ScanBas365 software to monitor performance in real time. - Measurement - Across trawl path: 0 to +/- 3 knots - Along trawl path: 0 to 6.0 knots (TSS mode) - Resolution: 0.1 knots - Accuracy: +/- 10% (of reading) - Transmission - Frequency range: 38.9 – 43.4 kHz - Source level: 186 dB - Beam width: 55 deg (-3dB) - Range to vessel: Approx. 2200 m
List required materials needed to make the product, including materials of product components	Includes but is not limited to Printed circuit board (PCB), battery house, battery, metal, and sounders NOAA is acquiring a spare or additional part (flow sensor and spare batteries for flow sensor) of a Scanmar trawl monitoring system currently aboard the vessel. The flow sensor is deployed in the trawl. It communicates with hydrophones on the vessel, which then relay the data signals to the Scanmar processor/computer onboard

Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other stndards, requirements, etc.?	No
NAICS 1	334511 Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing
NAICS 2	
Additional Technical Comments	Anticipated awardee is the sole distributor of this manufacturer

Section 4: Business Information

Estimated potential business volume	one (1) Scanmar Flowsensor HC4-TSS and two (2) additional batteries
Estimated target price / unit cost information (if unavailable explain)	As close as possible in price to the Scanmar Flowsensor HC4-TSS = $14,883.00 and Scanmar - 110403 - Smart Battery = $571.90 each $1,143.80 total
When is it needed by?	Delivery to Woods Hole, Massachusetts by 03/21/2025
Describe packaging requirements	The sensor will ship from the factory wrapped in air-cushioning aka bubble wrap material in carboard boxes. It will be sent to NOAA in the same packaging, additional packaging requirements are not needed.
Where will this item be shipped?	DELIVERY LOCATION: DOC/NOAA/NEFSC 166 Water Street. Woods Hole, MA 02543

Additional Comments

Is there other information you would like to include?	Agency funding purchase of this item: Commerce, U.S. Department of / National Oceanic and Atmospheric Administration (NOAA) / Northeast Fisheries Science Center (NEFSC) This is a Simplified Acquisition, which has a shorter lead time to completion than an action over $250,000.00. It is expected that this requirement will be awarded within the next 30-60 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. Department of Commerce Point of Contact for BABA questions related to this item: Marcelle Loveday Director, Acquisition Policy & Workforce, Office of Acquisition Management MLoveday@doc.gov.

STATEMENT OF NEED

BACKGROUND / SCOPE / MISSION:

The NEFSC conducts a spring and fall bottom trawl survey every year to collect biological and oceanographic data. Multiple sensors are attached to the bottom trawl net to monitor net performance to ensure survey standardization.

INTENDED USE / PURPOSE:

Purchase of a Scanmar Flowsensor HC4-TSS and two additional batteries to install on a currently owned sensor that is failing. The sensor will be used on bottom trawl surveys to monitor net performance during towing operations and to ensure optimal towing speed and trawl symmetry. This is important to ensure survey standardization.

Salient Features:

- Capability to measure the speed of waterflow into the trawl opening and trawl symmetry
- Compatibility of ScanBas365 software to monitor performance in real time.
- **Measurement**
    - Across trawl path: 0 to +/- 3 knots
    - Along trawl path: 0 to 6.0 knots (TSS mode)
    - Resolution: 0.1 knots
    - Accuracy: +/- 10% (of reading)
- **Transmission**
    - Frequency range: 38.9 – 43.4 kHz
    - Source level: 186 dB
    - Beam width: 55 deg (-3dB)
    - Range to vessel: Approx. 2200 m

DELIVERY LOCATION:

DOC/NOAA/NEFSC
Technical Point of Contact (TPOC) :
Woods Hole, MA 02543

DELIVERY SCHEDULE:

Deliver By: 02/24/2025. Delivery of sensor would need to be before spring 2025 bottom trawl survey.