

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2025-067
Item to be Scouted	Acoustic Receiver
Days to be scouted	15
Response Due By	03/20/2025
Description	<p>The National Oceanic and Atmospheric Administration (NOAA) Great Lakes Environmental Research Lab (GLERL) are a multidisciplinary environmental research laboratory that provides scientific understanding to inform the use and management of Great Lakes and coastal marine environments, such as tag deployments. The necessary components for these tag deployments include products equivalent in form, fit, and function to 48 Innovasea acoustic release receivers (VR2AR-69khz) and 1 live acoustic receiver (RX-LIVE 69 kHz) and the necessary supplies (e.g. cable, VR100 Surface Transponder).</p> <p>These receivers will record pings from tagged fishes within range of a given receiver in the Lake, recording the time and information from any other sensors with which the tag is equipped, which is one of their core missions in the lab. Taken together, the receivers will detect nearby tagged fishes in Lake Michigan. This will include fishes tagged by other research projects as well as from planned NOAA tag deployments. These data will provide new information regarding the habitat preferences and movement patterns of the fish community in Lake Michigan. The GLERL requires receivers like the Innovasea VR2AR-69khz and RX-LIVE 69 kHz to support their data collection in the Great Lakes.</p>
Notify Requester Immediately	
State item to be used in	

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Unknown except as provided in attached specs sheet.

<p>Provide dimensions / size / tolerances / performance specifications for the item</p>	<p>Frequency 69 kHz</p> <p>Depth 500 m</p> <p>Weight VR2AR: 2350 g (air); 500 g (water) VR2AR-X: 2746 g (air); 812 g (water)</p> <p>Dimensions VR2AR: Length 401 mm VR2AR-X: Length 465 mm</p> <p>Diameter: 81 mm</p> <p>Mooring bracket width: 170 mm</p> <p>Storage Capacity 32 MBytes non-volatile flash memory (~3-million detections)</p> <p>Power VR2AR: One 3.6 V Lithium D VR2AR-X: One 3.6 V Lithium DD</p> <p>Release: One 4 V Lithium AA</p> <p>Battery Life VR2AR: Approx. 14 months VR2AR-X: Approx. 26 months</p> <p>Release: 5-6 years</p> <p>Max Test Load 1000 lbs Max Safe Working Load 250 lbs Max Release Load 250 lbs</p> <p>Magnetic Activation Probe for acoustic receivers RX-LIVE 69 kHz Cabled Acoustic Receiver with External Connector ASCII output enabled, RS485 cable not included, Requires external power High Speed RS-485 Communication Interface for HR2 and HR3 receivers Includes Fathom software, USB interface box and 10m of cable (software requires Windows 7 or higher) VR100 – Surface Transponder and Manual Tracking Acoustic Receiver. (Model VR100-300) Supports 8 channels and detection of 69kHz and 180kHz PPM transmitter platforms.</p> <p>VHTx 69kHz Transponding Hydrophone 25 meter waterproof cable for VR100</p> <p>For additional information, see attached forms</p>
<p>List required materials needed to make the product, including materials of product components</p>	<p>Various as needed to support production of a quality product with comparative lifespan</p>
<p>Are there applicable certification requirements?</p>	<p>No</p>
<p>Are there applicable regulations?</p>	<p>No</p>

Are there any other standards, requirements, etc.?	No
NAICS 1	334513 Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables
NAICS 2	
Additional Technical Comments	Any offered product must be completely compatible (form, fit, and function) with the existing system, without the need for modification to the product or system.

Section 4: Business Information

Estimated potential business volume	<p>One-time purchase</p> <p>Quantity of 48 VR2AR-69khz Coded Acoustic Receivers with Acoustic Release \$4,840.00 each</p> <p>Quantity of 3 Magnetic Activation Probe for acoustic receivers \$38.00 each</p> <p>Quantity of 1 RX-LIVE 69 kHz Cabled Acoustic Receiver with External Connector \$7,880.00 each</p> <p>Quantity of 1 High Speed RS-485 Communication Interface for HR2 and HR3 receivers \$1,280.00 each</p> <p>Quantity of 1 VR100 – Surface Transponder and Manual Tracking Acoustic Receiver (Model VR100-300) \$6,840.00 each</p> <p>Quantity of 1 VHTx 69kHz Transponding Hydrophone 25 meter waterproof cable for VR100 \$2,525.00</p>
Estimated target price / unit cost information (if unavailable explain)	approximately \$251,000.00 total
When is it needed by?	Anticipate contract award by 07/01/2025, with delivery by 08/01/2025
Describe packaging requirements	Best available. Delivered undamaged. Specifics discussed in negotiation.
Where will this item be shipped?	Ann Arbor, MI

Additional Comments

Is there other information you would like to include?	<p>Funding Agency: Commerce, U.S. Department of / National Oceanic and Atmospheric Administration (NOAA) / Great Lakes Environmental Research Lab (GLERL)</p> <p>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: Marcelle Loveday, Director, Acquisition Policy & Workforce, Office of Acquisition Management, 202-941-7641, MLoveday@doc.gov.</p>
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