SINGLE SOURCE DETERMINATION USING
SIMPLIFIED ACQUISITION PROCEDURES (SAP)
FOR AN ACTION NOT EXCEEDING THE SIMPLIFIED ACQUISITION THRESHOLD
(AUTHORITY: FAR 13.106-1(b)(1))

Requisition Number 143021-26-0041 / Requirements-26-1987

1. **Agency and contracting activity.** Department of Commerce (DOC), NOAA Acquisition and Grants Office (AGO),National Oceanic and Atmospheric Administration (NOAA), National Marine Fisheries Service (NMFS), Northeast Fisheries Science Center (NEFSC), Population and Ecosystems Monitoring and Analysis Division (PEMAD), Ecosystems Surveys Branch (ESB).

2. **Description of supplies or services required to meet agency needs (including the estimated value).** This requirement is for the procurement of a suite of specialized Scanmar acoustic sensors and supporting hardware. These sensors are utilized on the NOAA vessel *Henry B. Bigelow* and *Pisces* to facilitate the ESB Bottom Trawl Surveys. The equipment includes one (1) TrawlEye-NB system, one (1) Flowsensor HC4-TSS, one (1) SS4 Depth/Temperature sensor, and four (4) SS4 Door/Clump sensors, along with associated mounting and charging kits. This determination covers the Brand Name portion of the requirement for Scanmar equipment. The procurement is a firm-fixed-price action [redacted]. Expected delivery is required September 1, 2026 to support upcoming survey sea days.

3. **Identification of the brand name to be solicited.**
   Brand Name: Scanmar
   Authorized Reseller: OptimERA Marine
   Address: 1101 NW 45th Street
   [redacted]

4. **Supporting rationale.** Only one source or brand name is reasonably available as detailed below:

   □ Compatibility to existing systems or equipment - The required supplies must be compatible in all aspects (form, fit, and function) with existing systems or equipment, and the source is uniquely qualified to meet the requirement.

   The required supplies must be compatible in all aspects (form, fit, and function) with existing systems and equipment. The Henry B. Bigelow and Pisces are currently equipped with the Scanmar ScanBas 365 bridge system, which serves as the central processing and visualization hub for all trawl telemetry. The sensors requested (TEY-2, HC4-TSS, and SS4 series) are designed to interface specifically with this existing Scanmar architecture. Other brands of sensors (e.g., Marport or Simrad) utilize different acoustic telegrams and transmission frequencies that are not natively compatible with the installed Scanmar bridge system without significant and costly hardware overhauls. Furthermore, the ESB Bottom Trawl Surveys rely on long-term data continuity; introducing non-Scanmar sensors would alter the standardized measurements of gear

performance, potentially compromising the integrity of decades-old fishery-independent time-series data used in stock assessments.

☐ Exclusive Licensing Agreement/Restrictive Rights/Authorized Reseller - The source has one or more of the following: an established exclusive licensing agreement, proprietary data, limited rights in data, patent rights, OEM required certifications or OEM authorized reseller, copyrights or secret processes with regard to the supplies or services required.

The source, OptimERA Marine, is the only US authorized reseller and service provider for Scanmar equipment. They provide the proprietary SS4 double-cast electronics and specialized programming units (QBC-X1) required to configure the sensors for NOAA's specific operational frequencies.

5. Market Research.

Market research was conducted by reviewing the current NOAA-approved IT list, which includes these specific Scanmar part numbers. A formal sales proposal was obtained from Network Innovations Maritime on November 25, 2025, confirming the availability of the required SS4 and TrawlEye units. Research indicates that while other manufacturers exist (Simrad, Marport), none can provide the direct "plug-and-play" compatibility required for the Henry B. Bigelow's existing infrastructure without a complete replacement of the vessel's acoustic receiving system. [redacted]

6. Technical/Requirements Representative Certification

[redacted]

7. Determination *(Required)*