SINGLE SOURCE DETERMINATION USING

SIMPLIFIED ACQUISITION PROCEDURES (SAP)

FOR AN ACTION NOT EXCEEDING THE SIMPLIFIED ACQUISITION THRESHOLD

(AUTHORITY: FAR 13.106-1(b)(1))

*(Insert PR/RFQ number, as applicable)*

1. Agency and contracting activity. Department of Commerce, NOAA Acquisition and Grants Office (AGO), *(Insert Acquisition Division)* and *(Insert Line or Staff Office)*
2. Description of supplies or services required to meet agency needs (including the estimated value).

Design, test, and build self-contained timed burn-wire releases.

Design requirements: Releases must be able to hold 75 lbs, operate in temperatures to -2°C, withstand pressures to 100m, be programmed with a time-to-release of at least 1 year, and release with an accuracy of +/- 30 minutes from programmed release.

Testing requirements: Testing must include pressure test, cold actuation test (0°C), and weight load test.

Delivery requirements: Delivery must be completed by 30 JUL 2018. Delivery must contain at least 2 release units and necessary equipment to program releases.

Total Estimated value: $6,500

1. Identification of the single source or the brand name to be solicited.   
   DBV Technology

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North Kingstown, RI 02852

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

* Urgency – The nature of the requirement has been deemed urgent due to unusual and compelling circumstances. Following competitive procedures would result in unacceptable delays resulting in serious injury to the Government.   
    
  A new underwater release mechanism is required for deployment of PMEL’s low-cost under ice buoy in August 2018. For much of the 2018 planning period, galvanic timed releases manufactured by International Fishing Devices, Inc. were planned to be used as a release mechanism. However, the company contacted PMEL at the end of May 2018 to notify that they determined during their development/redesign process they were unable to manufacture reliable release mechanisms within the specifications required. The original quote was below micro-purchase thresh-hold so no PO was required. The inability of the vendor to meet the requirements has forced PMEL to locate and obtain a new release mechanism before the deployment takes place. The vendor lead time for this item is 45-60 days.   
    
  Delivery must occur by 30 JUL 2018 for equipment to be deployed on the U.S. Coast Guard Cutter Healy in the Chukchi Sea in August 2018. Missing the delivery deadline will result in being unable to deploy equipment in 2018, due to the nature of conditions and ship availability in the Arctic. Missing delivery deadline will result in a full year of lost data and delaying development timelines on new equipment by a full year.
* Other - Only one source is capable   
    
  Burn-wire technology for releasing underwater equipment is highly specialized and only a few companies make burn-wire releases. No existing burn-wire technology meets the design requirements needed for PMEL’s application of releasing low-cost under-ice buoys in the Arctic (see market research). DBV Technology has existing burn-wire technology and timers which can be integrated together in the short time required to produce the required burn-wire release product.

Delivery must occur by 30 JUL 2018 for equipment to be deployed on the U.S. Coast Guard Cutter Healy in the Chukchi Sea in August 2018. Missing the delivery deadline will result in being unable to deploy equipment in 2018, due to the nature of conditions and ship availability in the Arctic. Missing delivery deadline will result in a full year of lost data and delaying development timelines on new equipment by a full year.

1. Market Research.

-Sub Sea Sonics, LLC produces an underwater burn-wire release, but it has a maximum time-to release of 170 days. A maximum time-to release of 1 year is required for PMEL’s application of low-cost under-ice buoys. Sub Sea Sonics, LLC is unable to change the design specifications on their product to increase the time-to-release.

-Teledyne Marine Technology utilizes burn-wire components for use in acoustic transponders, but components only mate with proprietary technology used on glass sphere housings which are not used in PMEL’s application.

-No other potential sources for a burn-wire release were found in market research.

1. **Technical/Requirements Representative Certification**

I certify that this requirement constitutes the Government’s minimum needs and the supporting data provided herein is accurate and complete to the best of my knowledge and belief.

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*(Insert name)* Date

*(Insert title – i.e., Program Office/COR)*

1. Determination *(Required)*

I hereby determine that the circumstances of this action deem only one source is reasonably available. This determination is accurate and complete to the best of my knowledge and belief.

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*(Insert name)* Contracting OfficerDate