SOLES SOURCE JUSTIFICATION AND APPROVAL FOR ACQUISITION UNDER
THE SIMPLIFIED ACQUISITION THRESHOLD

1. Contracting Agency and Activity. The Department of the Interior, United States
Geological Survey, Reston Acquisitions Branch, Reston, VA plans to contract on a sole
source basis. This document sets forth the justification and approval as required by FAR

2. Nature of Action Being Approved. The USGS Woods Hole Coastal and Marine Science
Center requires purchase of three 16plus V2 (SBE16+), Conductivity and Temperature (CT)
Recorders, three Underwater Inductive Modems (UIM) sized with \( W \) diameter clamf for
3/8" nilspin wire, and three SBE 44 cables from Sea-Bird Electronics, Inc., 13431 NE 201
Street, Bellevue, WA 98005.

3. Description of Supplies or Services. USGS scientists conduct studies of sediment and
pollutant transport in the coastal ocean that require long-term observations of conductivity
(salinity), temperature, and suspended sediment concentrations. The instruments must be
self-powered, store data internally, and be capable of sampling temperature, conductivity,
and at least one 5-volt sensor every few minutes for a period of up to 12 months. They must
have an inductive modem to allow data to be transmitted through a conducting mooring wire.

4. Estimated Dollar Value. The estimated dollar amount for this purchase is $39,600.48.

5. Statutory Authority. The proposed action may be awarded on a sole source basis in
accordance with: (Only Cite One Authority)
FAR 13.106-1(b)(1) “Only One Source Reasonable Available”

6. Rationale Supporting Use of Citation in No. 5. Compatibility with existing equipment:
The USGS Coastal and Marine Geology Program has an inventory of Sea-Bird Electronics
temperature-conductivity (TC) recorders. Data processing software has been developed to
work specifically with the data format used by these instruments, and collaborators expect
data delivered in this format. The USGS also maintains a supply of auxiliary sensors
compatible with the Sea-Bird CT recorders, as well as mooring cages designed to hold
Seabird CT recorders so they can be safely deployed for long periods of time on a mooring
beneath the sea surface. Instruments added to the current inventory must be interchangeable
with existing equipment, and compatible with the existing data processing software and
mooring hardware

7. Other Information. Compatibility with collaborator's mooring and telemetry systems:
These instruments will be deployed as part of the Northeastern Regional Association of
Coastal and Ocean Observing Systems (NERACOOS; http://www.neracoos.org/), operated
by University of Maine. NERACOOS maintains seven instrumented moorings year-round in
the Gulf of Maine. The data from underwater instruments are transmitted to a surface buoy
through the mooring cable using the Seabird Inductive Modem technology, then from the
surface buoy to shore via cell-phone technology. The inductive modem is proprietary to
SeaBird. A cooperative agreement between the USGS and the University will allow USGS instruments to be deployed on the existing moorings, and to send data through the moorings and data system to be archived and displayed in real-time on the Web. The SeaBird inductive modem technology is required to insure compatibility with the existing NERACOOS network.

8. The Efforts to Identify Additional Sources Including the Market Research Conducted.

9. Future Plans to Permit Competition.

No other sources are known to possess the unique and essential qualifications outlined in Part 6 of this justification.

10. Recommendation Program Office

Based on the above, I recommend this acquisition be conducted on a sole source basis and certify that the above statements are true and correct.

MARINNA MARTINI  7/3/2014
Signature
Date

11. Certifications from the Contracting Officer

a. The contracting officer must include a determination that the anticipated cost to the Government will be fair and reasonable with a short statement for the basis of that determination. Prices will be determined fair and reasonable by comparison with list prices or invoices for similar or like items.
b. This justification is accurate and complete to the best of my knowledge and belief.

CRISTINA VEGA
Cristina Vega, Contracting Officer

12. Concurrence by Competition Advocate > $25,000 (DIAPR 2008-10 Enhancing Competition)

JENNIFER KELLEY
Jennifer Farrell, Bureau Competition Advocate