DEPARTMENT OF THE NAVY
NAVAL RESEARCH LABORATORY
4555 OVERLOOK AVE SW
WASHINGTON, DC 20375-5320

Purchase Request No.: 57-4001-26
J&A No.: J&A12.102-26-DH01
Estimated Cost: [redacted]

Justification for Other than Full and Open Competition Under Simplified Procedures For Certain Commercial Items In Accordance With Federal Acquisition Regulation (FAR) 12.102

On the basis of the following, I, as the Contracting Officer, hereby approve the use of a brand name contractual action pursuant to the authority of: ☒ *41 U.S.C. 1901* ☐ *41 U.S.C. 1903*

1. Contracting Activity

The U.S. Department of Navy, Naval Research Laboratory (NRL) Contracting Division, Code [redacted] proposes to include brand name specifications for the procurement of a UXG Agile Signal Generator system, which will be issued utilizing the procedures described in FAR Subpart 12.2.

2. Description of the Action Being Approved

This action requests approval for the use of other than full and open competition, on a brand name basis, as implemented by FAR 12.102 for the procurement of a Keysight Technologies, Inc. (Keysight) UXG Agile Signal Generator system.

3. Description of Supplies/Services

The NRL Tactical Electronic Warfare Division (TEWD), Surface Electronic Warfare Systems Branch, Code [redacted], is seeking one UXG Agile Signal Generator system, comprised of the following:

- UXG Agile Signal Generator System; includes:
  - KeysightCare Assured First Year Support Warranty (includes Return to Keysight Warranty – 1 year); (Part No. N5193A); Quantity 1
  - Frequency range 10 MHz to 40GHz; (Part No. N5193A-540); Quantity 1
  - 0.001 Hz frequency resolution (Part No. N5193A-FR1); Quantity 1
  - AM, FM; phase modulation; LF output, and narrowband chirp license (Part No. N5193A-UNT); Quantity 1
  - Wideband chirp (Part No. N5193A-WC1); Quantity 1
  - Pulse modulation (Part No. N5193A-PM1); Quantity 1
  - 180ns PDW update rate (normal or list mode) or 370ns latency (fast CW mode) (Part No. N5193A-SS4); Quantity 1
  - Enhanced phase noise (Part No. N5193A-EP1); Quantity 1
  - Mechanical + solid state attenuator assembly (Part No. N5193A-AT2); Quantity 1

  - 10 Gigabit Ethernet I/O interface with 14 trigger ports (Part No. N5193A-CC4); Quantity 1
- Value Discount Bundle: Includes options 540; AT2; CC4; PM1; SS4; UNT; WC1; EP1; FR1 (Part No. N5193A-031)
- Signal Studio for MESG, multiple emitters from one or more UXGs; Node-locked perpetual license (Part No. N7660EMBC); Quantity 1

Delivery is required approximately eight-weeks after receipt of the order. The Government's minimum needs have been verified by the certifying technical and requirement personnel. The estimated dollar value is [redacted], which will be funded by the FY25 RDT&E funds.

4. Statuary Authority Permitting Other than Full and Open Competition

The authority for permitting other than full and open competition is 41 U.S.C. 1901(e)(2), implemented by FAR 12.102.

☒ *41 U.S.C. 1901* ☐ *41 U.S.C. 1903*

5. Rationale Justifying Use of Cited Authority

The UXG device will be used to generate complex signal environments in support of communications, radar, electronic warfare (EW), and antenna testing applications. It is capable of producing advanced, high-fidelity waveforms that accurately replicate real-world operational conditions. These items are required to ensure full compatibility with established Keysight programming commands, enable seamless interoperability with similar equipment previously procured by the laboratory, and support efficient integration with the existing test infrastructure. This approach allows for incorporation into the current system architecture without requiring software redevelopment or modification.

The source for the specific instrument listed in Paragraph 3 has been selected to ensure the overall system meets TEWD's configuration and compatibility requirements. This equipment has been identified as the only solution possessing the necessary form, fit, and function to satisfy Government requirements. Use of any alternative brand or equipment would require additional labor to rewrite existing software, retrain end users, and resolve likely technical challenges associated with synchronization incompatibilities. These impacts would result in unacceptable delays estimated at one quarter to one half of a man-year, or approximately $215,000.00 and approximately one-year of delay. Additionally, failure to complete this purchase through the selected provider will result in the forfeiture of a $120,000 negotiated cost-savings discount. These costs could not be recovered through full and open competition.

The Contract Specialist has determined through market research that the required products offered by Keysight are commercial in nature, valued greater than the SAT, but less than $9.0 million, and as such, this action permits the use of FAR 12.201-1.

6. Description of Efforts Made to Solicit Offers from as Many Offerors as Practicable

Market research was performed through contacting knowledgeable individuals in Government, conducting internet searches, and contacting the original equipment manufacturer (OEM), Keysight. The Contract Specialist, [redacted], contacted the Account Manager at Keysight supporting the NRL, [redacted] via email on 15 May 2026. [redacted] confirmed that Keysight utilizes two authorized resellers, Tevet and Technical Communities (dba TestMart), for its equipment. Technical Communities (dba TestMart) was the only vendor authorized to sell the required equipment via GSA; however, the Contract Specialist confirmed with [redacted] from Testmart on 21 May 2026, that they do not currently have an active GSA schedule for the UXG Axile Generator system. In accordance with FAR 8.104, agencies are encouraged to consider satisfying requirements from or through non-mandatory sources, which includes the use of Federal Supply Schedules (e.g. GSA), before considering commercial sources in the open market. Since there are no vendors presently authorized to resell Keysight's equipment via GSA, the Government intends to procure the required equipment on a brand name basis via SAM.gov.

This acquisition does not meet the requirement at FAR 19.104-1(a), and therefore will not be set-aside for small businesses. Additionally, the Non-Manufacturer Rule (NMR) requires small businesses to either manufacture the product itself, supply a product manufactured by another small business if it is a nonmanufacturer, or supply the product of any sized manufacturer if the Small Business Administration (SBA) has granted a waiver to the NMR. Keysight, the OEM, is a large business, and the SBA has not granted a waiver under NAICS 334515.

7. Determination of Fair and Reasonable Cost

The Contracting Officer has determined the anticipated cost to the Government for the equipment covered by this J&A will be fair and reasonable.

8. Actions to Remove Barriers to Future Competition

For the reasons set forth in Paragraph 5, NRL has no plans at this time to compete future contracts for the type of equipment covered by this document. Code [redacted] routinely monitors the commercial marketplace using the internet and publications to stay informed on current state-of-the-art laboratory equipment alternatives that could be used to further work at NRL. If another potential source emerges, NRL will assess whether competition for future requirements is feasible.

In accordance with FAR 12.202(b)(1)(iii) this justification, redacted as necessary, will be made publicly available with the solicitation.

CERTIFICATIONS AND APPROVAL

TECHNICAL/REQUIREMENTS CERTIFICATION

I certify that the facts and representations under my cognizance, which are included in this Justification and its supporting acquisition planning documents, except as noted herein, are complete and accurate to the best of my knowledge and belief.

[redacted]

6/1/26

Date

[redacted]

Telephone No.

LEGAL SUFFICIENCY REVIEW

I have determined that this Justification is legally sufficient.

[redacted]

06/08/2026

Date

[redacted]

Telephone No.

CONTRACTING OFFICER CERTIFICATION

I certify that this Justification is accurate and complete to the best of my knowledge and belief.

[redacted]

Date

[redacted]

Telephone No.

CONTRACTING OFFICER APPROVAL

Upon the basis of the above justification, I hereby approve, as the Contracting Officer, the solicitation of the proposed procurement described herein using other than full and open competition, pursuant to the authority of 10 U.S.C. 2304(c)(1).

[redacted]

Date

[redacted]

Telephone No.