

CONTROLLED UNCLASSIFIED INFORMATION

Sole Source (Including Brand Name) Justification - Simplified Procedures for Certain Commercial Items

NOTE: If a Justification was approved for the preceding acquisition, a copy of the approved Justification for the predecessor action must be included in the staff package for approval of the instant Justification. This applies to Justification staff packages that are submitted for review and approval at a level above the contracting officer. The predecessor Justification will be used as a reference document by the approving official.

Is this a new or amended J&A Document? [X] New [] Amended (Prior to Award Only!)

Is this a Bridge Action as defined in the AF Bridge Action Reduction Plan? [] Yes [X] No

Funding level for this acquisition: [REDACTED]

Contracting Activity: AFTC/PZZD

Purchase Request / Local ID Number: [REDACTED]

Program / Project (and PE, if applicable): [REDACTED]

Program Type (PEO or Other Contracting): Other Contracting

Authority: [X] AFFARS 5313.501 - 10 U.S.C. 2302b, Implementation of Simplified Acquisition Procedures (41 U.S.C. 1901)
[] AFFARS 5313.501 - 10 U.S.C. 2304a, Special Emergency Procurement Authority (41 U.S.C. 1903)

Estimated Contract Cost (including options): \$748,700 Justification Type: [] Class [X] Individual

COORDINATION (AFFARS 5306.304(a))

[REDACTED]

APPROVAL (AFFARS 5306.304(a))

Table with 2 columns: Date (07 Aug 2023) and Contracting Officer (Craig O'Neill). Includes a large redacted area.

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I. Contracting Activity.

Specialized Contracting (PZZD) at Eglin AFB is the responsible contracting activity.

II. Nature and/or description of the action being processed.

This limited source justification and approval authorizes the procurement of a Infiniium UXR Real-Time Oscilloscope (UXR) with additional options and add-ons. This purchase is a manufacturer sole source procurement to Keysight Technologies, Inc. and competed as a small business set-aside as brand name to Keysight Technology resellers.

III. Description of supplies/services required to meet agency needs.

The Contractor shall provide one (1) Infiniium UXR Real-Time Oscilloscope (P/N: UXR0404B) with the following options.

- a. (P/N: UXR0404B) Infiniium UXR Real Time Oscilloscope, 40 GHz, 256 GSa/s, 4 channel
- b. (P/N: D91UXR02A) UXR Core Software for 256 GSa/s
- c. (P/N: D91UXR02A-R-B5X-001-A) Core software node-locked perpetual license
- d. (P/N: D91UXR02A-R-B6X-001-L) Core software updates and enhancements; node-locked - 1 year
- e. (P/N: PS-S20-01) Recommended Startup assistance; daily
- f. (P/N: UXR0000-801) Removable SSD drive for UXR-Series - 1 TB
- g. (P/N: UXR0000-02G) 2 Gpts/CH memory option
- h. (P/N: UXR0404A-809) Standard Oscilloscope hardware
- i. (P/N: UXR0000-602) Hardware Accelerated DDC for UXR-Series; 2 GHz BW
- j. (P/N: MXR000-500) Standard 500 GB Removable SSD
- k. (P/N: MXR000-200) Standard 200 Mpts/ch memory
- l. (P/N: N2156A) Rack mount kit for Infiniium UXR Real-Time Oscilloscope
- m. (P/N: N2158A) Transportation Case for Infiniium UXR Real-Time Oscilloscope
- n. (P/N: D9120WSAA) Wideband Signal Analysis Acceleration Extended Package
- o. (P/N: D9120WSAA-R-B5P-001-A) WSSA Extended Package Node-locked perpetual license
- p. (P/N: UXR002-555) Complimentary MXR Oscilloscope with Core Software License and 1 year subscription KeysightCare Assured
- q. (P/N: Y1903B) Adapter; 1.0 mm ruggedized (f) to 2.92 mm (f); DC to 40 GHz
- r. (P/N: N2126A) UXR Scope Calibration Module; 1.85 mm
- s. (P/N: 89601200C) Basic vector signal analysis and hardware connectivity
- t. (P/N: 89601200C-R-Y5A-004-D) Transportable perpetual license
- u. (P/N: 89601200C-R-Y6A-004-L) KeysightCare software support subscription; transportable - 60months
- v. (P/N: 89601BHQC) Pulse Analysis
- w. (P/N: 89601BHQC-R-Y5A-004-D) Transportable perpetual license
- x. (P/N: 89601BHQC-R-Y6A-004-L) KeysightCare software support subscription; transportable - 60months

The above items to be purchased must be compatible with existing Keysight UXG N5193A and VXG N519A signal generators owned by the [REDACTED]

IV. Statutory authority permitting other than full and open competition.

IAW FAR 13.501, acquisitions conducted under simplified acquisition procedures are exempt from the requirements in part 6. However, contracting activity is required to follow the format of FAR 6.303-2. Thus, Title 10 U.S.C 2304(c)(1), as implemented by FAR 6.302-1(a)(2)(iii)(B), required by FAR 6.303-2(b)(4), Only One Responsible Source and No Other Supplies or Services Will Satisfy Agency Requirements is the authority for permitting Other Than Full and Open Competition.

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V. Demonstration that the contractor's unique qualifications or nature of the acquisition requires the use of the authority cited above (applicability of authority).

The items being procured are to be used in support of the [REDACTED]. The Infiniium UXR Real Time Oscilloscope and associated accessories must be compatible with the existing UXG N5193As and VXG N519As. The UXGs and VXGs will be utilized to convert from the ascii file format to a Keysight system usable format. In order for the [REDACTED] to fully verify and validate that the files have been converted properly a UXR system is needed to properly analyze the output from the threat simulators with the converted threat simulations. Additionally, the UXR will be used in the future lab to allow for proper testing and analysis of results from the Keysight threat simulator. A Keysight UXR system is the only option available that will offer the connectivity and future time savings capability in analysis of results from EW testing. Development of this capability by another vendor would take several years and lead to unacceptable delays of mission capability of a least 3 years.

VI. Description of efforts made to ensure that offers are solicited from as many potential sources as practicable.

UXR software is propriety to Keysight systems and will not provided interconnectivity required for this program with other leading RF Threat Generation Systems like [REDACTED]. Additional quotes were received from third party vendors. The direct Keysight purchase was deemed as the best option to the government to work with the already established Keysight Threat Simulator System owned by the [REDACTED].

VII. Determination by the Contracting Officer that the anticipated cost to the Government will be fair and reasonable.

UXRs prices with options and add-ons are shared publicly on their website. Additional third party vendors of Keysight hardware are with in similar cost to direct Keysight purchases. IAW FAR 15.404-1(2), price analysis shall be utilized when certified cost or pricing data are not required. Other Than Certified Cost or Pricing Data will be utilized to determine that the price fair and reasonable such as comparison to historical prices paid.

VIII. Description of the market research conducted and the results, or a statement of the reasons market research was not conducted.

The 16 EWS did thorough market research for this requirement culminating in [REDACTED] responses and direct Keysight purchase over emails. All offerers were given the same specifications and options detailed above for cost and delivery schedule comparison.

IX. Any other facts supporting the use of Other Than Full and Open Competition.

N/A

X. List of any sources that expressed, in writing, an interest in the acquisition.

N/A

XI. A statement of the actions, if any, the agency may take to remove or overcome any barriers to competition before making subsequent acquisitions for the supplies or services required.

Initial full acquisitions of RF Threat Simulators are made in full and open competition to obtain lowering of prices. Additional emphasis is put on offerers to provide as close to compatibility with other RF Threat Simulators companies by providing similar COTS hardware and software along with compatible RF threat simulation files to be shared between sources.

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XII. Certification by the Contracting Officer.

As evidenced by my signature above, I have determined this document to be both accurate and complete to the best of my knowledge and belief.

XIII. Certification by the technical/requirements personnel.

As evidenced by my signature above, I certify that any supporting data contained herein, which is my responsibility, is both accurate and complete.