

Justification Review Document  
For Sole Source - FAR Part 13.501

Program/Equipment: L3 Harris VIDA (Voice, Interoperability, Data and Access) core system servers and software, replacement/upgrade of L3Harris user consoles (Symphony), and installation/setup, testing, and product services.

Authority: 41 United States Code 1901 as implemented in Federal Acquisition Regulation 13.501(a)(1)(ii), sole source (including brand name) under the authority of the simplified procedures for certain commercial items.

Amount: [REDACTED]

Prepared by:

Typed Name: [REDACTED]

Title: Contract Specialist Date: 23 June 2023

E-mail: [REDACTED]

Contracting Officer:

Typed Name: [REDACTED]

Date Reviewed: 14 July 2023 E-Mail: [REDACTED]

Technical Representative:

Typed Name: [REDACTED] DSN: [REDACTED]

Title: 142 CF Plans Branch Superintendent Date Reviewed: 14 July 2023

Controlled by: National Guard Bureau  
Controlled by: NGOR-PFO-PC  
CUI Category: General Procurement and Acquisition  
Limited Dissemination Control: FFD ONLY  
POC: James Vogt [REDACTED]

Requirements Representative:

Typed Name: [REDACTED] DSN: [REDACTED]  
Title: Base Comm. Planner Date Reviewed: 14 Jul 23

Reviews

I have reviewed this justification and find it adequate to support other than full and open competition.

Legal Counsel

Typed Name: [REDACTED] DSN: [REDACTED]  
Signature: [REDACTED] Date: 8/3/2023

Command Adv

Typed Name: [REDACTED] DSN: \_\_\_\_\_  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Sole Source Justification and Approval  
Under FAR 13.501

1. Contracting Activity: 142 MSG/MSC

2. Description of Action: This requirement is for a new Firm Fixed Price contract to acquire repairs to the 142 WG base radio trunking system. This requirement is currently funded for [REDACTED] with FY23 O&M funds PR number [REDACTED]

3. Description of Supplies/Services: The 142WG radio trunking system requires main system components to be refreshed. The system hardware has exceeded its normal life expectancy. The current system is a L3Harris 5 channel trunking system.

The core connects to the remote radio sites consisting of 5 L3Harris master 5 radios. The core system also connects to legacy user consoles. This requirement is to replace the core equipment and legacy consoles to regain a high availability radio communication system.

Existing components of the radio trunking system integrate with the system through L3Harris proprietary software, replacing the L3Harris server with another brand would require a complete replacement of all other operational components of the base radio trunking system. The Period of Performance is from 30 September 2023 through 30 November 2023 and the estimated dollar value is [REDACTED].

4. Authority Cited: 41 United States Code 1901 as implemented in Federal Acquisition Regulation 13.501(a)(1)(ii), sole source (including brand name) under the authority of the simplified procedures for certain commercial items.

5. Reason for Authority Cited: This acquisition is for repairs to our current radio Trunking systems Core server and five interfacing PC console units located at several locations across the base. The core server runs on proprietary VIDA Premier L3Harris software. VIDA is the proprietary L3Harris software on which the current radio trunking system operates. The VIDA software provides for interoperability between existing RF Subsystems (RFSS) regardless of whether they are managed by a common administrator nor installed at the same time. This allows for the base to incorporate new elements into the system without taking the entire system offline or needing to replace the entire system.

Additionally, there are eight (8) interfacing units located across the base that require this software to ensure interoperability. These existing outlying units currently are operating on a L3Harris VIDA software solution. VIDA is the only approved software available that ensures consistent interoperability between our existing L3Harris sites. Failure to repair the failing core system would result in a total failure of our system.

Together, the repairs to the trunking system core server and interfacing units constitute a unified outcome.

Lastly, replacing the failing core hardware with a different brand's system/software would require replacing the interfacing units as well which would be upwards of three (3) million dollars. This is unaffordable. Moreover, replacing the entire system instead would be necessary to ensure that outlying units properly interoperate. The existing eight outlying sights are already L3Harris products and could not run on a different brands software without replacing the entirety of the system. Based on the price of \$219,039.62 which was the cost for one outlying site in 2012, a replacement of the core system as well as all eight interfacing sites would be upwards of [REDACTED] which the 142 Air Wing cannot afford. Repair and upgrades to the current L3Harris system is the only viable solution.

6. Efforts to Obtain Competition: Market research was conducted into potential other suppliers. Issues with the current system began in 2020, that time on the Technical Representatives researched potential alternatives to repairing the current L3Harris equipment and identified several incompatibilities with other products. While replacing the entire base trunking system was contemplated the costs were too high and would result in replacing dozens of component systems that are currently operational. In 2012 the 142 WG completed a purchase order, FA8771-04-D-0003 1X01, for \$219,039.62. This purchase was for a single P25 Master site, replacing the entire L3Harris system with a different brand would require replacing a dozen sites such as this one. As it stands replacing the entire system is not currently required as the interfacing sites are operational and would be overly cost-prohibitive.

#### 7. Market Research:

Mandatory sources were checked in accordance with FAR 8.002(a) such as Federal Prison Industries, Inc. and AbilityOne, they were unable to provide the required items. The Dynamic Small Business Search (DSBS) tool was also utilized to find potential sources for the required items. Using the DSBS tool searching under NAICS code 334220 in the State of Oregon 25 companies were returned. Of those 25 companies only 5 could potentially supply the required L3 Harris parts needed for the requirement. These companies information are detailed below:

Vendor Name	CAGE	Point of Contact	Business Type
[REDACTED]	[REDACTED]	[REDACTED] [REDACTED] [REDACTED]	WOSB
[REDACTED]	[REDACTED]	[REDACTED] [REDACTED] [REDACTED]	Non Small Business Entity
[REDACTED]	[REDACTED]	[REDACTED] [REDACTED] [REDACTED]	Small Business
[REDACTED]	[REDACTED]	[REDACTED] [REDACTED] [REDACTED]	SDB, WOSB
[REDACTED]	[REDACTED]	[REDACTED] [REDACTED] [REDACTED]	SB

The technical representatives have been working with local telecom companies since 2020 on workarounds for the degrading system. These companies have provided temporary fixes to the core servers and were consulted on replacing the trunking system. Alternatives, to the current L3Harris Vida system were considered but test ran by these experts indicated that interoperability was not possible and the costs for replacing the entire base radio trunking system were too high.

A Sources sought RFI was posted on GSA Advantage on 31 August 2023 under MAS code 33411 Radio Trunking System to try and identify vendors who were capable of providing the estimated equipment or equivalents for the requirement. Overall, 13 responses were received with only 1 company [REDACTED] indicating they had the required items in stock and available.

Previous awards at Portland Air National Guard base were consulted in determining the cost effectiveness of these repairs. Purchase Order FA8771-04-D-0003 1X01, for \$219,039.62 from 2012 was the most recent example of the potential cost of needing to replace a single interfacing system with the core L3Harris system.

Additionally, awards within the Department of Defense were researched to help identify relative costs for repairs. W911SF22F0047 was awarded in 6 June 2022 for \$296,821.56. This purchase was for a single component LMR system. This purchase had many similar features to out requirement, but only represents 1 system of potentially a dozen that would need to be replaced with repairs to the current L3 Harris core system cannot be acquired.

8. Interested Sources: To date, no other sources have written to express an interest. The notices required by FAR 5.201 shall be published, and any bids or proposals received shall be considered.
9. Other Facts: All of the supplied equipment must comply with FCC/DoD specifications for spectrum operations. (FCC-CIRC2304-01, DODI 8510.01) Additionally, DoDI 4650.10 & AFI 17-210 set forth the requirements for base LMR operations, failure to repair bases failing system would have Portland Air National Guard Base fall out of compliance with these requirements.

10. Technical Certification:

I certify that the supporting data under my cognizance, which are included in the justification are accurate and complete to the best of my knowledge and belief.

Signature:

Typed Name

14 Jul 23

Date: \_\_\_\_\_

Title: 142 CF Plans Superintendent

11. Requirements Certification:

I certify that the supporting data under my cognizance, which are included in the justification are accurate and complete to the best of my knowledge and belief.

14 Jul 23

Date: \_\_\_\_\_

Title: Base Comm. Planner

12. Fair and Reasonable Cost Determination: I hereby determine that the anticipated cost to the Government for this contract action will be fair and reasonable.

An Independent Government Cost Estimate was created establishing a fair and reasonable cost determination for the required items. Certified cost or pricing data is not required p

Signature: \_\_\_\_\_

Typed Name: \_\_\_\_\_

07/21/23

ate: \_\_\_\_\_

Title: Contracting Officer

13. Contracting Officer Certification:

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

Signature: \_\_\_\_\_

Typed Name: \_\_\_\_\_

07/21/23

ate: \_\_\_\_\_



Approval

Based on the foregoing justification, I hereby approve the procurement of upgrades to the base radio trunking system for [REDACTED] on an other than full and open competition basis pursuant to the authority of 41 U.S.C. 1901 as implemented by FAR 13.501, subject to availability of funds, and provided that the services and property herein described have otherwise been authorized for acquisition.

Signature: [REDACTED] Date: \_\_\_\_\_

Typed Name: [REDACTED] Title: \_\_\_\_\_