

JUSTIFICATION REVIEW DOCUMENT

NATIONAL GUARD BUREAU
111 South George Mason Drive
Arlington, VA 22204-1373



1. OVERVIEW

a. Program/Equipment Name

165 ASOS - Tactical MESH Network

b. Estimated Price

c. Authority

41 U.S.C. 1901 as implemented in FAR 13.106-1(b)(1) Soliciting from a single source.

d. Technical Representative

Name

Title

Email

Phone

Date

e. Contracting Officer

Name

Title

Email

Phone

Date

☐ Requirements Representative *(If different from Technical Representative.)*

☐ Prepared by *(If different from Contracting Officer.)*

2. REVIEWS

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

☐ Program Manager *(If applicable.)*

☐ Program Executive Officer *(When item is Program Executive Officer managed.)*

Controlled by: National Guard Bureau

Controlled by: Local Office

CUI Category: SOURCE SELECTION

Limited Dissemination Control: FEDCON

POC:

(Populates from the 1.e. Contracting Officer.)

Single Source Determination

Guidance

Local Control Number

NGB Control Number (if applicable)

1a. CONTRACTING ACTIVITY

165 MSC

b. Requiring Activity

165 ASOS

c. POC

2a. NATURE OF ACTION

Sole source; Individual Basis

b. Contract Action

New Contract

c. Contract Type

Firm Fixed Price

d. Fund Type

O&M, Air

3a. ESTIMATED PRICE

4a. Name of Requirement

165 ASOS - Tactical MESH Network

b. Description of Requirement

Silvus StreamCaster radio ecosystem Part Number: WAG-SIL-RPTR-R-NOTW including Includes 2x Silvus Streamcaster 4200 with antenna's and cable accessories.

c. Demonstrate, in Detail, Why This Specific Item or Service, is the Only One That Meets Your Requirements

The Silvus StreamCaster radio ecosystem provides an unmatched, mission-critical communications capability rooted in proprietary Mobile Ad Hoc Network (MANET) technology developed exclusively by Silvus Technologies. Centered on patented Mobile Networked Multiple Input Multiple-Output (MN-MIMO) waveform technology, the StreamCaster architecture establishes self-forming, self-healing tactical mesh networks capable of delivering high-throughput voice, video, and biometric/telemetry data across complex, non-line-of-sight (NLOS) and contested electronic environments. To support tailored operational reach, this requirement necessitates high-power dual-transceiver configurations operating under part number WAG-SIL RPTR-RNOTW-165 (2x Silvus StreamCaster L/S Band 10-watt radios complete with proprietary software licensing and essential accessories). Because the underlying modulation schemes, dynamic channel routing, and encryption interfaces are wholly owned intellectual property of Silvus Technologies, no alternative communication system can natively mesh with existing fielded Silvus equipment or replicate its low-latency multi-path processing without introducing mission compromising latency, technical incompatibilities, and substantial duplicative engineering costs. To achieve immediate operational readiness and survivability across mission phases, these radios must be procured as an integrated, rapid-deployable capability with dedicated peripheral hardware tailored specifically to the form factor and ODU interface protocols of Silvus units. This procurement incorporates mission-specific OEM accessories including the SCWGDNGLODU(T) StreamCaster WiFi/GPS dongle with a 1-inch flex neck for ODU AUX ports providing 2.5-meter positioning accuracy; the SC42-QRMNTKITMAG quick-release magnetic mounting kit engineered with rubberized neodymium magnets for rapid SC4200-series platform installation; and the SCHS5-PTTODU-D dual-PTT handset featuring customized ODU pinouts designed specifically for SC4200 and SC4400 transceivers. Sourcing these precision components—alongside operational batteries, RF cabling, tailored antennas, and waterproof protective transit cases—ensures certified electrical and physical interoperability. Crucially, single-source procurement through WEP TAC A.G. covers these specialized assemblies under an extended warranty and provides continuous on-call technical support, guaranteeing factory engineering reach-back to manufacture, prioritized component replacement, and firmware sustainment throughout rigorous pre-deployment training and active operational lifecycles.

5a. HAS THIS BEEN PREVIOUSLY PROCURED?

☐ Yes, details are below. ☒ No.

6a. AUTHORITY CITED

41 U.S.C. 1901 as implemented in FAR 13.106-1(b)(1) Soliciting from a single source.

b. Reason for Authority Cited :

WepTac A.G. tailors Silvus StreamCaster radios and accessories for specific unit/mission requirements. Additionally, as this radio system is tailored for specific use by the 165th ASOS, only WepTac can provide warranties and network support.

7. POSTING REQUIREMENTS

None.

8. CONTRACTING REQUIREMENTS

a. Efforts to Obtain Competition :

Silvus StreamCaster is an exclusive radio network and is required for connection to existing network capabilities. Additionally, WepTac A.G. has configured a system specifically to meet the mission requirements of 165 ASOS.

b. Actions to Increase Competition :

As technology advances, there is potential for other companies to produce radio networks capable of the interconnectivity required by the 165 ASOS.

c. Market Research ⓘ

Market research of Part Number: WAG-SIL-RPTR-R-NOTW produced negative results in google.com, GSA Advantage, and Fedbid.

d. Interested Sources ⓘ

WepTac A.G. are currently the only interested source in producing this specific package for 165 ASOS.

e. Other Facts ⓘ

N/A.

9. REQUIRING ACTIVITY CERTIFICATION

Technical and Requirements

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.

Name	Date	Title
[REDACTED]	[REDACTED]	[REDACTED]
Phone	Email	
[REDACTED]	[REDACTED]	[REDACTED]

11. APPROVAL

Contracting Officer (KO)

1. I hereby determine that the anticipated cost to the government for this contract action will be Fair and Reasonable.
2. I certify that this Justification is accurate and complete to the best of my knowledge and belief.

(This certification shall be made by the contracting Officer who will sign the contract resulting from this Justification and Approval.)

Name	Date	Phone
[REDACTED]	[REDACTED]	[REDACTED]
Email		
[REDACTED]		[REDACTED]

12. REDACTION INSTRUCTIONS

After completion and signatures, print to PDF. Then redact items such as, but not limited to:

1. Dollar amounts.
2. Names.
3. Signatures.
4. Proprietary information.

FAR 5.401, FAR 24.1, and FAR 24.2