DEPARTMENT OF THE NAVY
NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION

IN REPLY REFER TO:
J&A_12_22740

JUSTIFICATION AND APPROVAL
FOR USE OF OTHER THAN FULL AND OPEN COMPETITION

1. Contracting Activity.

Naval Air Warfare Center Aircraft Division (NAWC-AD) Lakehurst, NJ

2. Description of the Action Being Approved.

This Justification and Approval (J&A) authorizes and approves the procurement of Radio Integrated System (RIS) and RIS-Lite antenna masts, on a sole source basis with Blue Sky Mast, 1515 Gunn Hwy, Odessa, FL 33556, CAGE: 3JWX5. This requirement is in support of the United States Special Operations Command (USSOCOM) Program Management Office (PMO) and Special Operations, Research, Development, and Acquisition Center, Program Management Command, Control, Communications, and Computers (SORDAC – C4).

3. Description of Supplies/Services.

RIS is a full scale deployable and scalable transit case variant that replaces the existing Joint Base Station (JBS) mobile, and transit case variants that currently support deployed Combatant Commanders. RIS provides initial command and control, communications, computers, and intelligence (C4I) among deployed Special Operation Force (SOF) bases and Liaison Office (LNO) teams to SOF, SOF headquarters, and SOF support elements. It interfaces, enhances, and combines multiple single channel radios into one integrated C2 suite. It gives SOF commanders "on the go" essential communications connectivity. RIS-Lite is a deployable small scale transit case variant that provides the SOF commander, small teams, and other SOF teams with an on the move C2 capability in a suitcase size package capable of both Government and commercial aircraft carry-on capability.

The RIS systems are required to provide a mixture of satellite communications (SATCOM) and Line of Sight (LOS) radio channels to support the RIS communications. These LOS circuits cover the High Frequency (2MHz – 30MHz), Very High Frequency (Low band) (30MHz – 88MHz), Very High Frequency (High band) (114MHZ – 174MHz), and Ultra High Frequency (225MHz – 400MHz) ranges and require a variety of antennas. To operate correctly and provide maximum communications distances, the LOS antenna needed for these radio channels must be mounted at the top of a fifty-foot tall antenna mast. NAVAIR technical experts indicate that the antenna masts as listed in the table below are required to support the currently deployed sloping V long wire antenna and other LOS antennas which are components of the overall RIS system:

Description: RIS Mast, P/N: BSM2-W-M215-RIS-000, Qty: 33 each, [redacted]
Description: RIS Lite Mast, P/N: BSM2-W-M215-RIL-000, Qty: 14 each, [redacted]

The RIS system utilizes a combination of different discrete band antennas that are deployed simultaneously to cover a wide range of communications frequencies. This deployment strategy requires that the RIS program procure a portable mast solution that is capable of supporting at least four antennas simultaneously. The types of antennas used vary from Omni-directional antennas to Long-wire HF antennas. The mast must come equipped with the following antenna mounting:

a. NATO mount
b. COM201B
c. Adjustable Antenna Mount

In addition to the antenna mounts listed above, the antenna must also be capable of having primary and secondary guy wires attached to the top and mid-section of the mast as to assure that the mast stays erect in a minimum wind load of 70 mph while antennas are deployed. The antenna must be capable of being easily lowered and raised without having to lower the mast. The mast must come in a kit which is to include all tools necessary for erecting and securing the mast. The mast must be capable of supporting a minimum of a 70 lb. payload at a height of up to 15 meters. The mast kit must be man portable.

The program also requires the mast to have sloping V long wire antennas. The lightweight and versatile antenna mast must be built for strength yet flexible enough to bend without breaking, even in the event of extreme conditions, thus preventing a catastrophic failure.

See Appendix A for Estimated Dollar Value

4. Statutory Authority Permitting Other Than Full and Open Competition.

10 U.S.C. 2304(c)(1), Only one responsible source and no other supplies or services will satisfy agency requirements.

5. Rationale Justifying Use of Cited Statutory Authority.

The antenna masts are currently integrated and deployed on existing RIS and RIS Lite systems. This effort is to acquire additional units that in the past have proven to meet the requirements of the mission. The RIS and RIS-Lite masts from BlueSky Mast meets the sponsor's requirement for single person deployment as it is delivered in a durable rollaway bag; making for easy transportation and set-up. The BlueSky mast has a winch that allows one person to raise the mast. Ultimately, the antenna mast will provide the RIS and RIS-Lite systems with continuous-uninterrupted communication capabilities by securing the antennas, which transmit and receive signals. The mast, manufactured from military grade aluminum alloy, is commercial equipment that is kitted by Blue Sky Mast specifically for RIS.

BlueSky Mast is the only known source capable of providing the required equipment that meets all of the USSOCOM RIS height, weight and deployability requirements.

In addition, if an alternative source is selected for this requirement, the Government will incur significant, unrecoverable costs that would include nonrecurring engineering services to modify the current design and alternative solutions to meet user functional requirements of approximately $300k. Estimated efforts include:

* Proposed Solution Analysis - $150k
* Design Modifications to Include Changed Equipment - $100k
* Initial IA Design for Changed Equipment - $50k

In addition, testing and validation would need to occur to ensure the functionality of the alternative solution with the JBS legacy and RIS and RIS-Lite systems. There would also be logistical support costs for design and drawings to maintain the configuration management, interoperability and interchangeability within the fielded systems. These costs would value approximately $550k. Estimated efforts include:

* Drawing Package Modification - $150k
* Configuration Management System Changes to Include NewConfiguration - $150k
* IA Baseline OS Design for New Configuration - $50k
* IA Package Updates for Program - $25k
* IA Testing for New Configuration - $25k
* Spares for Separate Configuration - $50k
* Additional Training for Support Desk - $50k
* Interoperability Testing for New Configuration - $50k

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

A market search of antenna mast distributors revealed that Blue Sky Mast is the sole distributor of its antenna mast solutions. Other manufacturers researched include [redacted]

[redacted]

[redacted]

[redacted]

In accordance with FAR 5.201, this procurement synopsized on the FedBizOpps webpage on 1 June 2012 and closed on 18 June 2012. No responses were received.

7. Determination of Fair and Reasonable Cost.

In accordance with FAR 15.402, the Contracting Officer shall ensure that the price negotiated for this acquisition is fair and reasonable. An independent government estimate has been provided for this effort. The Contractor will submit a formal price proposal with other than cost or pricing data and sufficient information to support the accuracy and reliability of the estimate.

The proposal will be reviewed by experienced technical personnel at SCR, Cost Analysts and the Contract Specialist. The Contracting Officer will utilize cost and price analysis in accordance with FAR 15.404-1, including a review of historical data, as the basis for negotiating a fair and reasonable price.

8. Actions to Remove Barriers to Future Competition.

For the reasons set forth in paragraph 5 and 6, NAVAIR has no plan at this time to compete near-term requirements for this equipment. NAVAIR will post an RFI in the next six months detailing the salient characteristics in an effort to identify potential sources.

Appendix A

Estimated Dollar Value in Thousands

	FY12	FY13	FY14	FY15	FY16	FY17	FY18	Total
[redacted]								
Total								

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.

Technical Cognizance:

[redacted] [redacted]

Signature Name (Printed) Phone No. Date

LEGAL SUFFICIENCY REVIEW

I have determined this Justification is legally sufficient.

[redacted] [redacted] [redacted]

Signature Name (Printed) Phone No. Date

CONTRACTING OFFICER CERTIFICATION

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

[redacted] [redacted] [redacted]

Signature Name (Printed) Phone No. Date

APPROVED

Upon the basis of the above justification, I hereby approve the solicitation of the proposed procurement(s) described herein using other than full and open competition, pursuant to the authority of 10 U.S.C. 2304(c)(1), Only one responsible source and no other supplies or services will satisfy agency requirements.

[redacted] [redacted]

Date