



**DEPARTMENT OF THE NAVY**

NAVAL SURFACE WARFARE CENTER  
DAHLGREN DIVISION  
6149 WELSH ROAD, SUITE 203  
DAHLGREN, VIRGINIA 22448-5117

IN REPLY REFER TO

J&A Number: DL 13097

Code: CXS11-7

N00178-12-C-1009

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

JUSTIFICATION

1. Contracting Activity

The Naval Surface Warfare Center, Contracts Division.

2. Description of the Action Being Approved

Award of a firm fixed priced contract on a sole source manufacturer basis from Frontier Electronic System Corp.

3. Description of Supplies/Services

This requirement is for one AN/SPQ-14(V) Advanced Sensor Distribution System (ASDS) equipment ship set and spare components.

The Government's minimum needs have been verified by the certifying technical and requirements personnel.

The estimated value of this acquisition is \$520,000. Funding will be provided as follows:

TYPE	FY12	TOTAL
SCN	\$520,000	\$520,000
Total		\$520,000

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

Naval Surface Warfare Center, Dahlgren Division, F31 Department, has contracted for one AN/SPQ-14(V) Advanced Sensor Distribution System (ASDS) for [REDACTED] and also for AN/SPQ-14(V) ASDS spares for [REDACTED]

Frontier Electronic Systems Corp. is the only qualified source to provide the ASDS System hardware. The company possesses the corporate knowledge and technical expertise necessary to manufacture the ASDS equipment to timely satisfy the Navy's requirement. Use of another vendor's product would require unbudgeted and unanticipated test package development, combat systems verification testing, and an unbudgeted complete sequence of Shock, Vibration and Electromagnetic Interference testing which would cost approximately \$2,500,000. This development, certification and environmental qualification testing would place the execution of the [REDACTED] Ship Class ASDS fielding plan at risk.

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

The synopsis was posted on the Federal Business Opportunities (FEDBIZOPS) website on 11 January 2012. No responses were received.

The following information gathered from the market survey is provided:

- a) FES Corp. has listings for the AN/SPQ-14(V) ASDS systems as the original equipment manufacturer.

The following companies, though they have radar distribution capabilities, will not meet the specific delivery and hardware requirements developed for the AN/SPQ-14(V) Advanced Sensor Distribution System installed on the [REDACTED] Class Ships.

- b) Cambridge Pixel (aka Primagraphics) has a capability to distribute radar video and data. They are under contract with NAWCAD Patuxent River to provide radar/sensor distribution systems for Air Traffic Control on board aircraft carriers.
- c) Barco advertises a radar video and display distribution system being used for air traffic control but did not have a reference for shipboard installations.
- d) Performance Technologies, Rochester, NY advertises radar and sensor data distribution capabilities. Their shipboard applications are utilized as components of other Navy

Systems to provide remote monitoring capabilities which pinpoint system problems.

7. Determination of Fair and Reasonable Cost

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

8. Actions to Remove Barriers to Future Competition

For the reasons set forth in Paragraph 5, NSWC Dahlgren Division has no plans at this time to compete future contracts for the types of supplies covered by this document. If another potential source emerges, NSWCDD will assess whether competition for future requirements is feasible.

TECHNICAL/REQUIREMENTS CERTIFICATION (FAR 6.303-2(b))

I certify that the facts and representations under my cognizance, which are included in this justification and its supporting acquisition planning data, including Acquisition Plan No. 12-001, except as noted herein, are complete and accurate to the best of my knowledge and belief.

TECHNICAL COGNIZANCE:

[REDACTED]

LEGAL SUFFICIENCY REVIEW (NMCARS 5206.303(90))

I have determined this justification is legally sufficient.

[REDACTED]

CONTRACTING OFFICER CERTIFICATION (FAR 6.303-2(a)(12))

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

[REDACTED]

Charles E. Thompson, Jr.

[REDACTED]