



DEPARTMENT OF THE NAVY
NAVAL AIR WARFARE CENTER WEAPONS DIVISION
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IN REPLY REFER TO:
J&A_11_7805

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

1. Contracting Activity.

Naval Air Warfare Center Weapons Division (NAWC-WD) - China Lake, CA

2. Description of the Action Being Approved.

The Naval Air Warfare Center, Weapons Division (NAWCWD) anticipates awarding a Firm Fixed Price contract to QuinetiQ North America Inc. located at 4100 N. Fairfax Drive, Suite 800 Arlington, VA 22203 in support of the Joint Advanced Missile Instrumentation (JAMI) program for the purchase of 100 each of QuinetiQ JAMI GSU GPS Sensor Units. This award will be made under 10 U.S.C. 2304(c)(1), Only one responsible source and no other supplies or services will satisfy agency requirements.

3. Description of Supplies/Services.

The Government intends to purchase 100 each QuinetiQ JAMI GSU GPS Sensor Units, Part Number 1001204. Funding is provided through (b) (2) High funds.

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 JAMI Ground Station provides a real time GPS Time Space Position Information (TSPI) solution that is displayed on the range displays. The JAMI Ground Station is installed in the majority of DOD Ranges. It is specifically designed to meet the high dynamic and fast TSPI acquisition solutions to support GPS tracking of missiles. The ground station utilizes the QuinetiQ JAMI Ground Segment Card to process the incoming GPS Sensor data and converts it to meet the JAMI data interface Spec (NAWCH-3132). The incoming data is from the QuinetiQ GPS Sensor Unit (GSU) that is formatted and sent down a telemetry data link to the ground. The requirement for a time to first fix of less than 3 seconds requires that the ground station has to have GPS ephemerides, almanac and time to apply to the QuinetiQ proprietary airborne data stream. Therefore, in order to support the real-time TSPI displays, ground station, and missile, the QuinetiQ GSU GPS Sensor Unit is the only compatible item with the existing systems presently installed.

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

No market research was done because this is the only item that can support the current system. There are no distributors for this item. QuinetiQ only sells this item for Government end use. It would be impractical to redesign the entire ground system and missile to accommodate a new GPS system. According to the technical expert on this requirement, the Government has spent approximately \$4.4M in the redesign of the missile to include the current units. Three ranges have ground stations that have been updated at approximately \$240,000 per location to interface with the current design. It is estimated that it would require 1200-1400 hours and \$1.5M to \$2M for a completely new redesign. The time and money for the redesign, integration and testing would not be in the Government's best interest. Therefore, no other component can be substituted for this QuinetiQ GSU and no other source is capable of providing this part. A synopsis including numbered note 22 will be posted to FedBizOpps.

7. Determination of Fair and Reasonable Cost.

In accordance with FAR 15.402, the Contracting Officer shall ensure that all supplies and services provided under this contract are procured at a fair and reasonable price. The Contractor will submit a formal price proposal with certified cost or pricing data and sufficient information to support the accuracy and reliability of the estimate. The proposal will be reviewed by experienced contract specialists with the aid of necessary field pricing support. The Contracting Officer will utilize cost and price analysis as the basis for negotiating a fair and reasonable price.

8. Actions to Remove Barriers to Future Competition.

NAWCWD is buying a large quantity of the JAMI GSU at this time and does not anticipate another buy in the near future. NAWCWD does not foresee opening this requirement up for competition in the future because it would be impractical to redesign the ground station and missile to accommodate a new GSU GPS unit as stated in block 6.

Appendix A**Estimated Dollar Value In Thousands**

	FY11	FY12	FY13	FY14	FY15	FY16	FY17	Total
(b) (2) High	155	0	0	0	0	0	0	155
Total	155	0	0	0	0	0	0	\$ 155 k