



**DEPARTMENT OF THE NAVY**  
NAVAL AIR WARFARE CENTER WEAPONS DIVISION  
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CHINA LAKE, CA 93585-6100 POINT MUGU, CA 93042-5049

IN REPLY REFER TO:  
J&A\_13\_22992

**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) China Lake, CA intends to procure on an other than full and open competition basis (FAR 6.302-1 Only One Responsible Source) the commercial upgrade for the existing GSS8000 Global Navigation Satellite Systems (GNSS) simulator to Spirent Federal systems in support of JATO testing, Point Mugu, CA.

3. Description of Supplies/Services.

JATO requires a GPS constellation simulator system for the laboratory. This simulator must encompass the full complexity and diversity of GPS classified and unclassified parameters to deliver a credible GPS environment for a variety of test objectives. The primary purpose is to enable fulfillment of the requirements for JATO to test functionality and performance of a variety of GPS/navigation receivers when in the presence of specific and various forms of interference. This commercial upgrade is required to provide simulation of encrypted military GPS broadcast with high precision and unique features for various environments and provide specific forms of interference which is vital for testing the effectiveness of the GPS/navigation receivers.

The contractor shall upgrade the existing GSS8000 system to add the following capabilities:

P(Y) code on L1 and L2 Frequencies

M-code with AES encryption and L1 and L2

Classified True M-code on L1 and L2

This will be a Firm Fixed Price contract with a period of performance of 4 months starting approximately January 2013 and ending April 2013 for a total value of approximately \$271,000

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.

In accordance with 6.302-1(b)(1)(f), only Spirent possesses the unique capability and expertise that can satisfy the minimum needs of the government. As the sole designer, developer, integrator, manufacturer, and supplier of the GSS8000 Global Navigation Satellite Systems (GNSS) simulator, Spirent is the only firm that possesses the requisite knowledge of the GSS8000 simulator software, FPGA firmware and hardware architecture. The GSS8000 software is proprietary to Spirent, therefore the requested software and hardware upgrades can only be accomplished by Spirent.

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

In accordance with FAR 5.210(b)(1), this requirement was synopsisized via the Federal Business Opportunities website on November 14, 2012 with a closing date of November 20, 2012. A combined synopsis/solicitation for commercial items was prepared in accordance with the format in Subpart 12.6. This announcement constituted the only solicitation; proposals were requested and a written solicitation was not issued. The only response received was from Spirent Federal Systems Inc.. The Government intends to negotiate solely with Spirent Federal Systems Inc., 22345 La Palma Ave., Suite 105, Yorba Linda, CA.

7. Determination of Fair and Reasonable Cost.

In accordance with FAR 15.402(a), the Contracting Officer must ensure all supplies and support are procured at a fair and reasonable price. Analysis of the proposal will be performed by technical analysts and Contract Specialist, with the assistance of DCMA analysts and DCAA auditors as required. The Contracting Officer will analyze the various cost elements presented in the proposal. The Procuring Contracting Officer will use Government expertise, including DCMA, DCAA, the Project Management Office (PMA) and other Government resources to evaluate the proposal's labor, travel and subcontract positions. A detailed report developed as part of the Government's evaluation will be utilized to establish a NAVAIR position.

8. Actions to Remove Barriers to Future Competition.

For the reasons set forth in paragraph 5, at this time NAWCWD has no plan to compete future contracts for this requirement. The commercial software is proprietary software developed exclusively at the private expense of Spirent. If another source emerges that can integrate into the existing GPS software without affecting performance or Spirent makes available additional rights NAWCWD will assess whether competition for future requirements is feasible.

NOTE: Code 45P100E

**Appendix A**

**Estimated Dollar Value in Thousands**

	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Total
(b)(2)High	270	0	0	0	0	0	0	270
<b>Total</b>	<b>270</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$ 270 k</b>

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