



DEPARTMENT OF THE NAVY  
PORT HUENEME DIVISION  
NAVAL SURFACE WARFARE CENTER  
4363 MISSILE WAY  
PORT HUENEME, CALIFORNIA 93043-4307

HUE NO. 50,025  
Code: CM012  
P.R. Number: 02996625

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

**1. Contracting Activity**

The Naval Sea Systems Command, Corona Division, Naval Surface Warfare Center (CRNA NSWC) Acquisition Division, Code 012.

**2. Description of the Action Being Approved**

Award of a contract on a sole source basis for specialty engineering services for the CRNA NSWC in support of the Aegis Combat System (ACS), the Naval Integrated Fire Control-Counter Air (NIFC-CA) and the SM-6 In Flight Control (IFC) programs. The specific company utilized for this service is Simulation Systems Technologies, Incorporated (hereafter referred to as "SSTI"), 703 White Horse Road, Suite 1, Voorhees, New Jersey, 08043. The Justification and Approval (J&A) shall be effective from the date of approval to the end of the contract term. The solicitation number for this procurement is N63394-11-R-5055.

**3. Description of Supplies/Services**

This J&A covers award of a contract to SSTI for performance-based engineering and technical services in support of the ACS, the NIFC-CA and the SM-6 IFC programs. The contract will provide for an enterprise solution encompassing technical and engineering expertise in support of design, development, integration, and assessment of ACS performance and upgrades for new capabilities and related combat performance assessment service programs. The contract will include a base-year period and four one-year options. The anticipated base Period of Performance for this acquisition is 1 January 2011 through 31 December 2012 with an ultimate contract expiration of 31 December 2016.

The total estimated value of the contract is \$3,876,994.82, and will be funded with a mixture of Research Development Test and Evaluation (RDT&E) and Ship Construction Navy Funds (SCN) by fiscal year, see table below for funded breakout.

Source	FY11	FY12	FY13	FY14	FY15	TOTAL
RDT&E	\$387,295.13	\$388,003.81	\$388,726.98	\$389,466.66	\$390,221.83	\$1,943,714.41
SCN	\$387,295.13	\$388,003.81	\$388,726.98	\$389,466.66	\$390,221.83	\$1,943,714.41

**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**

SSTI is the sole designer, developer, and/or engineering agent capable of providing the unique combination of SM-6 security access and assessing Aegis data. This is an initial requirement for CRNA NSWC. SSTI developed and implemented the unique software concepts, resulting in a functional software product

that performs distinctive functions not envisioned or identified in any Statement of Work. Moreover, the software products were developed using a mix of Government and private funds. SSTI assigns unlimited rights of use to the Government. However, the software is proprietary to and the sole property of SSTI. SSTI is in the process of obtaining a copyright for the software.

SSTI is the only contractor with the requisite knowledge, experience, and technical data that can meet the Government's requirements on a timely basis and provide the required performance-based engineering and technical services in support of Aegis, NIFC-CA and SM-6 IFC design, development, integration, coding, testing, evaluation expertise; and related combat performance assessment services. In support of these activities, SSTI developed a unique method of assessing Aegis data.

The requirements of the NIFC-CA and SM-6 IFC programs require detailed technical knowledge of the ACS, Aegis Weapon System (AWS), communications protocol, and computer program architecture. In addition, the ability to conduct AWS ship to SM-6 missile performance assessment, Aegis Weapon Control System performance assessment, AN/SPY-1 performance assessment, and other ACS element assessment is required. Data analysis must be conducted in a rapidly changing test environment at Land Base Test Site and at sea aboard U.S. Naval vessels. Analysis is conducted at a detailed level and in accordance with established Aegis Combat System Ship Qualification Trial, Measures of Effectiveness, and Measures of Performance. SECRET and up to TOP SECRET security clearances are required, in order to conduct the aforementioned analysis. SSTI personnel currently possess the required clearances and expertise. SSTI is currently performing NIFC-CA program support and possesses the security provisions and technical background spanning Planning and Scheduling through Analysis and Reporting leading to deployment that is required to support this program. This work is being performed at Dahlgren. SSTI developed unique software to record key Aegis system events during land-based and at-sea testing (AutoScribe). The unique nature of the Uplink Analyzer, Downlink Analyzer, and Missile Downlink Analyzer Report software aids the U.S. Navy in the assessment of ship to SM-6 and SM-3 missile communications, assessment of functional requirements, and analysis of data that is not readily discerned with conventional methods. Use of the AutoScribe software facilitates the recording and reporting of key Aegis observable data during land-based and at-sea test events. No other products perform this functionality and SSTI is the organization solely responsible for the conception, development, implementation, and maintenance of the software. Thus, the software is unique and not available to any other contractor.

Based on the information provided above, the software developed by SSTI is the sole proprietary property of SSTI. SSTI is currently in the process of having the software copyrighted. SSTI is the only contractor that can provide the required services without duplication of cost and additional labor effort, which is not in the best interest of the Government. The cost to develop similar tools would encompass approximately 3 man-years effort; approximately \$2,400,000.00 per year.

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

The proposed contract was synopsisized on the Federal Business Opportunities website on 13 October 2010, and only SSTI expressed an interest in this requirement. No additional market research was conducted because it is not practicable, for the reasons discussed in paragraph 5 above, for any company other than SSTI to provide the required services.

**7. Determination of Fair and Reasonable Costs**

The Contracting Officer has determined that the anticipated cost to the Government for the services 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, CRNA NSWC has no plans at this time to compete future contracts for this type of services covered by this document. If another potential source emerges, CRNA NSWC will assess whether competition for future requirements is feasible.

HUE NO. 50,023

Code: CM012

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**TECHNICAL AND REQUIREMENTS CERTIFICATION REQUIRED BY FAR 6.303-2(b)**

I certify the facts and representations under my cognizance which are included in this justification and its supporting data, except as noted herein are complete and accurate to the best of my knowledge and belief.

**TECHNICAL COGNIZANCE:**

[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	Phone No.	Date

**REQUIREMENTS COGNIZANCE:**

[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	Phone No.	Date

**LEGAL SUFFICIENCY REVIEW (NMCARS 5206.303(90)):**

I have determined this justification is complete and accurate.

[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	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]
[REDACTED]	Phone No.	Date

**APPROVAL BLOCK (FAR 6.304 for Approving Official):**

Upon basis of the above justification, I here approve as the Competition Advocate for the Contracting Agency, the solicitation of the proposed procurement described herein using other than full and open competition pursuant to the authority of 10 U.S.C. 2304(c)(1).

*[Signature]* [REDACTED] 12/10/2010

DAVE RUEHLIN, CAPT SC. USN, [REDACTED]	Phone No.	Date
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