

TECHNICAL INSTRUCTION (TI)

Issue Date of TI	28 September 2007
TI No.	TI01
Contract No.	N00178-06-D-4829
Task Order No.	FC02
Government Agency	NSWC Crane
Vendor	Next Wave Systems, LLC
Vendor POC	Doug McDaniel
Human Capital Checklist Approval Number	N/A
Tasking (Severable/Non-Severable)	Severable
Special Skills Required	<u>J-STD-001 Certification for Soldering Electrical and Electronic Assemblies Certified Welding Technologies. American Bureau of Shipping (ABS) or equivalent is acceptable.</u>
Task Description and Applicable SOW Paragraphs	<p>Utilizing GFI, the Contractor shall provide all labor, material and administrative costs to support the following tasks under this level of effort TI.</p> <p><u>3.1 Installation Support.</u> The Contractor shall provide technical support for both hardware and software to assist in oversight of SSM installations. This oversight support shall be performed by qualified personnel with substantial experience in SSM installations and with the required technical certifications and capabilities. The Contractor shall report all activities undertaken in providing installation support in the Monthly Status Report (see CDRL A003). The Government will provide installation schedules as GFI as schedules develop.</p> <p><u>3.2.1 Software Programming.</u> The Contractor shall program the SSM software in accordance with the Government-approved drawings for each SSM ship installation as determined by GFI as schedules develop.</p> <p><u>3.2.2 Software Test Procedure.</u> The Contractor shall develop and maintain an SSM software test procedure for Government approval as provided as GFI as schedules develop. (see CDRL A0011).</p>

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3.2.3 Software Testing and Validation.

The Contractor shall test the SSM software in accordance with the Government-approved software test procedure prior to each SSM ship installation. Testing shall ensure that the software functions as intended, is free from defects and corrupt files, operates with the applicable SSM hardware, and is ready to be installed. The results of this testing shall be documented in a test report to be delivered to the Government as provided as GFI as schedules develop. (see CDRL A005).

3.2.4 Software Installation.

As determined by the results of completing the laboratory software testing described above, the Contractor shall make all final modifications, corrections, additions, and/or deletions to the software required to ensure it is ready for shipboard installation and operational testing. Any changes, alterations, or modifications made to the software pursuant to this paragraph shall be documented in accordance with paragraph 3.2.5 below. The contractor shall install the software and perform operational testing in accordance with the Government-approved software test procedure. The results of this operational testing shall be documented in an operational test report to be delivered to the Government (see CDRL A005).

3.2.5 Software Reporting/Configuration Management

The Contractor shall develop and maintain a software reporting and configuration management system. This system shall be sufficiently robust such that the Government will know the exact software baseline, "as-built" configuration of software deployed on each ship, and all software revisions applied to the configuration baseline. This system will reside at the Contractor's data repository, and the Contractor shall allow Government access to this repository. In addition, the Contractor

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shall provide periodic backup of all SSM-related data so that catastrophic loss of information does not occur. The Contractor shall provide a security plan which includes backup media to be delivered to the Government (see CDRL A005). Title and ownership of all Government-supplied data within the repository shall remain with the Government and its use shall be limited to that which is consistent with the requirements of this PWS and all applicable terms and conditions of the contract.

3.2.6 Software Laboratory Facility.

The Contractor shall develop and maintain an SSM laboratory facility. This facility will provide a software/hardware test platform that will be utilized during software testing documented in accordance with paragraph 3.2.3 above. In addition, the Contractor can utilize this facility for troubleshooting, design and development, and SSM System training. Upon request by the Government, the Contractor shall provide Government access to the laboratory facility during normal work hours and shall provide work spaces for Government personnel for with a minimum of 3000 square feet of continuous floor space. The Contractor shall provide two office areas collocated with the SSM Laboratory and each having a minimum of 100 square feet of floor space available.

3.3.1 Hardware Test Procedure.

The Contractor shall develop and maintain an SSM hardware test procedure for Government approval. (See CDRL A010.)

3.3.2 Hardware Testing and Validation.

The Contractor shall test all SSM hardware prior to installation in accordance with the Government-approved hardware test procedure prior to each SSM ship installation. Testing shall ensure that the hardware functions as intended, is free from defects, operates with the SSM software, and is ready to be installed. The results of this testing shall be documented in a test report to be delivered to the

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Government (see CDRL A005). Upon request by the Government, the Contractor shall provide Government access to the test facility during normal work hours and shall provide work spaces for Government personnel.

3.4.1 Training Plan.

The Contractor shall develop and maintain a training plan for Government approval. This plan shall focus on all aspects of the SSM under Crane's cognizance, and shall include Alteration Installation Team (AIT) personnel, support personnel, and new NSWC Crane Code 404 personnel as required. (See CDRL A012.)

3.4.2 Training Delivery.

The Contractor shall provide training as defined in the Government-approved SSM Training Plan.

3.5 System Engineering Design/Development.

The Contractor shall provide engineering services to improve existing SSM software and hardware. This will assist in the deployment, development, troubleshooting, improvement and overall evolution of the SSM product.

3.6 Acquisition Planning and Logistics.

The Contractor shall provide acquisition support, to include, but not limited to, inventory maintenance and management, for SSM-related items specifically identified by the Government as GFI as requirements and schedules develop.

3.7 Security System-Focused Market Research.

The Contractor shall conduct extensive market research to determine the current status of the Physical Security industry, including the available products, their capabilities, and estimated costs; top industry performers; and the direction technology is heading. The Contractor shall deliver a technical report that outlines these findings and conclusions (see CDRL A005).

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Applicable Documentation	<p>29CFR 1910 General OSHA Standard for Industry Information Security</p> <p>DOD 5200.1 Program Regulation Industrial Security</p> <p>DOD 5220.22M Manual for Safeguarding</p> <p>Classified Information ADP Security</p> <p>DODINST 5200.28M JTR Joint Travel Regulations (Civilian)</p> <p>DI-MGMT-80227 Status and Contractor's Progress, Management</p> <p>Report DI-MISC-80508A Technical Report-Study/Services</p>										
GFI, GFE, GFM	<p><u>Government Furnished Information (GFI)</u>. The Contractor will be provided project source documentation in sufficient time to allow for completion of tasking.</p> <p><u>Government Furnished Property (GFP)</u>. The Contractor shall be furnished GFP in order to finalize deliverables tasked via this PWS. All GFP shall be provided to the Contractor via an approved property pass.</p>										
Duty Location	It is anticipated that the majority of assigned tasking will be performed at Contractor's facility or onboard Naval ships with a small portion of the work being completed at NSWC Crane.										
Temporary Duty/Travel Requirements	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Trips</th> <th style="text-align: left;">Persons</th> <th style="text-align: left;">Days</th> <th style="text-align: left;">From</th> <th style="text-align: left;">To</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>1</td> <td>5</td> <td>Contractor Facility Washington</td> <td>DC</td> </tr> </tbody> </table>	Trips	Persons	Days	From	To	2	1	5	Contractor Facility Washington	DC
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SLIN Number(s)	100001, 100002, 100003, 300001, 300002, 300003
Period of Performance	The period of performance shall not exceed 27 September 2008. PoP is contingent upon execution of award terms.
Data Deliverable (s)	CDRL A001- Monthly Contractor's Progress, Status and Management Report. Submit electronically to Tamba.Reed@navy.mil and Mathew.Hardman@navy.mil . CDRL A002 – Financial Expenditures Report/Active. Submit electronically to Tamba.Reed@navy.mil and Mathew.Hardman@navy.mil CDRL A004 - Technical Report- Trip Report.

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	<p>Submit Technical Report electronically to Mathew.Hardman@navy.mil</p> <p>CDRL A005 - Technical Report. Submit Technical Report electronically to Mathew.Hardman@navy.mil.</p> <p>CDRL A006 – Presentation Material. Submit Presentation Material electronically to Mathew.Hardman@navy.mil</p> <p>CDRL A007 - Conference Agenda . Submit Conference Agenda electronically to Mathew.Hardman@navy.mil</p> <p>CDRL A008 – Conference Minutes. Submit Conference Minutes electronically to Mathew.Hardman@navy.mil</p> <p>CDRL A009 –Developmental Design Drawings and Associated Lists. Submit Documents electronically to Mathew.Hardman@navy.mil</p> <p>CDRL A010 – Operating Instructions. Submit Operating Instructions electronically to Mathew.Hardman@navy.mil</p> <p>CDRL A011 - Computer Program End Item Documentation. Submit Documentation electronically to Mathew.Hardman@navy.mil</p> <p>CDRL A012 – Training Materials/Documentation. Submit documentation electronically to Mathew.Hardman@navy.mil</p>
Security Classification	SECRET
Hazard and Safety Information	The requirements of this technical instruction may require Contractor personnel to come in contact with or be exposed to hazardous conditions. The Contractor shall abide by all applicable federal, local and state occupational safety and health requirements. The Government will provide Standard Operating

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	<p>Procedures (SOP) when applicable. The Contractor must have on record a corporate safety plan and shall provide a copy to the COR when instructed. The Contractor shall provide personal protective equipment (PPE), training, testing and explosive qualification/certification, as may be required by federal regulations, to support assigned tasking. Personnel shall be trained in the proper use, care and maintenance of PPE required to perform the assigned tasking to meet federal safety standards. The Contractor may be subjected to chemicals; heavy equipment; flying particles in the air; loud noises; etc. The Contractor shall ensure employees have all required training and certifications related to Occupational Safety and Health Requirements.</p>
<p>Requiring Technical Activity (RTA)</p>	<p>Mat Hardman, Code 4043 (GXQQ), 812-854-2234, mathew.hardman@navy.mil</p>
<p>Task Order Manager (TOM)</p>	<p>Tamba Reed , Code 401 (JXLL), 812-854-2848, Tamba.Reed@navy.mil</p>

 Contingent Upon Task Order Modification Issuance to Increase Funding
 Funding is currently available on the Task Order

XXXXXX = Gray areas to be completed by the Task Order Manager (TOM)