

2. AMENDMENT/MODIFICATION NO. 18	3. EFFECTIVE DATE 14-Nov-2013	4. REQUISITION/PURCHASE REQ. NO. 14HR017	5. PROJECT NO. (If applicable) N/A
6. ISSUED BY CODE	N65540	7. ADMINISTERED BY (If other than Item 6) CODE	S3915A

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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) EHS Technologies Corporation 1221 North Church Street Suite 106 Moorestown NJ 08057-1101		9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. N00178-05-D-4309-EHP4 10B. DATED (SEE ITEM 13) 12-Jul-2011
CAGE CODE 1GUU1 FACILITY CODE	[X]	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning one (1) copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
 SEE SECTION G

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(*)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input type="checkbox"/>	
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.)SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input checked="" type="checkbox"/>	D. OTHER (Specify type of modification and authority) IAW FAR 52.232-22 LIMITATION OF FUNDS and ktr email dated 10/28/13

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
 SEE PAGE 2

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Jane M DeMatto, Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 14-Nov-2013
(Signature of person authorized to sign)	BY /s/Jane M DeMatto (Signature of Contracting Officer)

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SECTION C DESCRIPTIONS AND SPECIFICATIONS

Engineering, Technical Services, and Program Management

For Naval Surface Warfare Center Carderock Division (NSWCCD) Codes 965, 966 & 967

1. BACKGROUND:

The Machinery Research and Engineering Department (Code 90) at the Naval Surface Warfare Center Carderock Division (NSWCCD) provides the facilities and expertise for developing the concepts, technologies, equipment, systems, and procedures necessary to enable current Navy ships to operate reliably, affordably and to effectively meet performance and mission requirements.

NSWCCD Code 96 is the Sail, Antenna, Networks and Navigation Systems Division. Code 96's mission is to provide integrated systems and solutions for the Surface and Submarine Fleets.

NSWCCD Code 965 acts as the In-Service Engineering Agent (ISEA) and Life Cycle Manager (LCM) for mission critical interior communication data networks installed on surface ships. The branch's mission is to provide responsive and affordable design, integration, installation, testing & lifecycle support for these networks.

NSWCCD Code 966 acts as the ISEA and LCM for Navigation, Ships Control, and Integrated Bridge Controls (IBC) installed on surface ships. The branch's mission is to provide responsive and affordable design, integration & lifecycle support for shipboard electronics navigation and bridge control systems. The group manages the development, design, installation, testing, verification, configuration and training of/for navigation and IBC systems installed on US Navy surface ships and related land based test sites.

NSWCCD Code 967 acts as the ISEA for Carrier Networks, Navigation and Integrated Bridge Controls. The branch's mission is to provide responsive and affordable design, integration, installation, testing & lifecycle support for these Carrier systems.

2. SCOPE OF SERVICES TO BE PERFORMED:

Upon the issuance of Technical Instructions to be issued by the Contracting Officer Representative (COR) identified under this Seaport Task Order, the contractor shall provide the following services / support:

2.1 Engineering Services

The contractor shall provide the following engineering services to support NSWCCD Codes 965, 966 and 967.

2.1.1 Systems Engineering Services

The contractor shall perform functional analysis and develop functional, performance, and detailed network and Integrated Bridge Control (IBC) design specifications for eventual implementation that will include structuring of system functions into a functional specification. The specification shall describe required interfaces, processing, data storage capacity, environmental operating conditions, performance and system interoperability requirements as well as the actual design that could be used for implementing the specified system. The contractor shall prepare data on human factors/user interface requirements and specify design considerations related thereto. The contractor shall provide systems engineering services in support of the following ship classes and their associated network, navigation and IBC systems:

- DDG 51 Class USQ-82 Family of Networks which include the Data Multiplex (DMS), Fiber Optic Data Multiplex System (FODMS), Gigabit Ethernet (GEDMS)
- DDG 51 Class Integrated Bridge Navigation System (IBNS)
- CG-47 Class Smartship ISC LAN and Integrated Bridge Controls (IBS)
- CVN Distributed Data Controls Network (DDCN), Machinery Controls System Suite (MCSS) and Navigation Critical Distribution System (NCDS)
- CVN Integrated Bridge Controls
- Ship Control System (SCS)
- Ship Control Display System (SCDS)

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- Situational Awareness Bridge Display System (SABDS)
- LSD 4L Class Mid-Life AECS LAN and Ship Control
- LHD 1 Class SDMS
- MCM 1 Class ISCS LAN
- DDG 1000 Total Ship Computing Environment (TSCE) and Engineering Control System (ECS)
- LCS 1 and 2 TSCE
- LPD 17 Ship-Wide Area Network (SWAN) and Steering Control System
- Ship to Shore Connector Networks, Navigation and Steering Control
- CG and DDG Surface fleet Scalable Electronic Charting Display Information System – Navy (ECDISN)
- DDG Modernization Integrated Bridge Navigation System (IBNS)
- Software development projects such as:
 - Organic Network Management Systems (NMS)
 - Equipment/System Simulators
 - Network Switch Configuration Auto Loader
 - Integrated Navigation Simulator (INARS)
 - Consolidated Navigation Display System (CNDS)
 - CVN Ship Control Software
 - Synchro System Module

2.1.2 Hardware Engineering Services

The contractor shall provide hardware engineering services in support of network and navigation systems produced for Fleet missions where systems may be deployed to operational Fleet units. Hardware engineering support under this contract may span from initial concept exploration and requirements definition through development, qualification testing, integration and troubleshooting.

Services include developing modifications to existing hardware designs, when required, and preparing Engineering Change Proposals, Field Service Bulletins and Ship's Change Documents (SCDs).

2.1.3 Software Engineering and Software Support Agent Services

The contractor shall develop software to support developmental efforts, which may necessitate development of prototypes, engineering development models, and proof of concept demonstrations. System operating systems will include, but not be limited to, Windows, Unix and Linux.

The contractor shall define a software development approach appropriate for the computer software effort to be performed under this contract. This approach shall be documented in a Software Development Plan (SDP). The contractor shall follow this SDP for all computer software to be developed or maintained under this effort.

The contractor shall provide Software Support Agent (SSA) services to NSWCCD-SSES Codes 965, 966 and 967 in the design, development and certification of the network and navigation systems and integrated bridge controls in conformance with the established command CMMI Level 3 policies process and procedures. Specific tasking will include, but not be limited to:

- Provide engineering analysis of system requirements and provide system implementation and integration recommendations including embedded systems. These include existing and future system and integration interface architectural analysis leading to the development of system requirements definitions and System Design Documents.
- Prepare recommendations for project specific standard processes and procedures consistent with the command's CMMI requirements, directives, and standards. Develop project status and tracking methods and metrics necessary to support the CMMI Quality Assurance requirements through all phases of the system development and implementation processes.

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- Provide support to ensure that all aspects of the command's CMMI processes are implemented including: Organizational Process Focus, Organizational Process Definition, Organizational Training Program, Integrated Software Management, Software Product Engineering, Intergroup Coordination and Peer Reviews.
- Develop Test Plans and Test Procedures to support required system testing and certification throughout the system life cycle. This tasking includes the analysis, evaluation and review of any test plans and procedures prepared and recommended to support system audit, test and IV&V efforts required by the command.

The contractor shall take their own or other Government agencies or contractors' architectures and develop a detailed software design. The design may include the integration of Contractor Off The Shelf (COTS) and Government Off The Shelf (GOTS) software into a workable system and may require consolidation of various applications on a common platform.

The contractor shall have a defined Software Configuration Management Plan for the control of codes and scripts. The contractor shall develop a Quality Assurance Plan for the handling of software during the project development. Programming Languages are to be standard industry languages. The contractor shall integrate COTS software products and custom applications to form standardized configurations for software systems, and shall develop system images and scripted installation procedures.

2.2 Technical Services

The contractor shall provide technical services to NSWCCD Codes 965, 966 and 967. Services range from research to custom development to compliance assistance needed to operate and support all ship-based information technology networks, computer systems and their shore-based equivalents at the Land Based Test Site in Philadelphia as well as other test sites throughout the county. Services also include: shipboard system installation, testing, configuration, maintenance and training support.

Specific technical services that shall be provided include but are not limited to:

- Monitor proposed hardware and software changes and provide assessment of the impact to the installation process. Support may include the development of cost and performance data required for the installation of systems or equipment and related Fleet Modernization Program (FMP) documentation.
- Provide project management, technical, installation, and coordination services to support systems equipment, and technology insertion for ship-based network systems, IBCs and navigation systems.
- Provide material and equipment procurement support and services to facilitate the development and implementation of alterations, and upgrades to ship-based networks and IBCs.
- Provide maintenance support for system problems or equipment failures.
- Provide operational support for network user-related questions and problems.
- Provide technical support in response to emergent requirements.
- Provide network configuration support, including review of configuration settings, configuration modification for best performance, and troubleshooting, detection and resolution of network connectivity problems.
- Provide program support, system definition, verification, validation and post accreditation for the program to enable (DoD Information Technology Security & Configuration Accreditation Process) DITSCAP, Platform IT (PIT) or equivalent Information Assurance Accreditation procedures.
- Conduct independent trade studies, trade-off analyses and provide technical services and systems engineering support.
- Participate in system design reviews including conceptual, system, hardware/software and critical design reviews.
- Recommend modifications of existing hardware and software for integration or improvements.
- Recommend and perform system configuration, prototype fabrication, test and evaluation, installation and maintenance.

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- Develop product descriptions, user manuals, technical descriptions and fact sheets for networks, navigation and IBC systems. The contractor will support the preparation of Engineering Change (EC) Proposals, Field Service Bulletins and Ship's Change Documents (SCDs).
- Provide EC and SCD installation and verification services for both shipboard systems and land based test sites.
- Perform application analyses of advanced technologies to meet system performance requirements.
- Assist in the development of concept of operations document(s) for the shipboard architectures installed on various ship classes that include, but are not limited to, CG, MCM, CVN, DDG, LSD, LPD and LCS.
- Assist NSWCCD in the environmental testing and procedures regarding hardware for shipboard installation.

2.3 Program Management

The contractor shall provide performance management products and services to help NSWCCD Codes 965, 966 and 967 meet their goals in an effective and efficient manner. The contractor shall execute performance management activities to focus on performance of both organizations and the processes used to build a product or service for their customers. The contractor shall provide program management support to assist in the solution of emergent requirements and issues. The contractor shall provide recommendations to employ new initiatives and best practices to improve areas within networks, navigation and IBC systems. The contractor shall provide business and financial management services to support the planning, organizing, staffing, controlling, and leading of team efforts in managing programs. The contractor shall develop tools to readily track and predict the execution of the budget, prepare status briefings on the execution of work, analyze trends associated with requests received from the Fleet and provide other program management support services as directed under any Technical Instruction. The contractor shall provide support in identifying and coordinating all items of work, and assure that all efforts are directed toward providing the most effective and cost-efficient support services. The contractor shall provide program management for a variety of programs and technology insertion projects. This support shall include the analysis, development, review, maintenance, and tracking of system and equipment support planning, maintenance, training and documentation.

The contractor should provide program management support services to include the following:

- The contractor shall perform cost benefit analysis, risk assessments, market surveys, and budget requirements for naval engineering and technology programs.
- The contractor shall prepare technical reports to include system and/or equipment readiness and identify degradation trends.
- The contractor shall prepare management reports to include a monthly progress and status report.
- The contractor shall provide financial management support including analysis of program planning and other financial planning documentation with respect to budget submissions, spend plans, work plans, and obligation targets and thresholds.
- The contractor shall provide process mapping and business reengineering services.
- The contractor shall develop spreadsheets and briefing forms appropriate for the analysis and presentation of information and providing reports of findings and recommendations.
- The contractor shall deploy short term task teams to accomplish short-term program management and information technology tasks.
- The contractor shall, when required, develop a recommended agenda and establish a system to track action items, identifying problems/issues, and produce meeting information.
- The contractor shall deploy short term task teams to accomplish short-term program management tasks required by NSWCCD Codes 965, 966, 967 and their NAVSEA sponsors.

3. PLACE OF PERFORMANCE

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The majority of work will be performed at the NSWCCD facility in Philadelphia, PA NOB San Diego and NOB Norfolk, as identified under a Technical Instruction. Any additional locations will also be identified under a Technical Instruction, and shall include but shall not be limited to:

- Contractor's facilities
- Other Navy homeport locations such as:
 - o Norfolk, VA
 - o San Diego, CA
 - o Mayport, FL
 - o Everett, WA
 - o Bremerton, WA
 - o Pearl Harbor, HI
 - o Sasebo, Japan
 - o Yokosuka, Japan
 - o Manama, Bahrain
- Other DoD and Federal Agency locations as designated by the client representative, and identified under a Technical Instruction.

4. PERFORMANCE PERIOD

The performance period for completion of work under this order is from date of award through twelve (12) months thereafter with two (2) twelve (12) month options.

5. TRAVEL REQUIREMENTS

Travel to various government facilities, commercial sites, land-based test sites and US Navy ships to gather information, establish requirements, provide system installation, checkout and/or technical troubleshooting assistance and attend the meetings and reviews necessary to accomplish the assigned ISEA/LCM tasks will be required. A summary of the anticipated trips per year is listed in the table below. Actual Travel requirements will be identified under a Technical Instruction.

Trip Description	# of People	Occurrences Per Year
Meetings and Conferences (Local)	4	4
San Diego - Honolulu	2	4
San Diego - Yokusuka	2	4
Phila - Norfolk	3	10
Phila - San Diego	3	4
Meetings and Conferences (Non-local)	2	3
Phila - Wash DC	4	6

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Site Visits 2 10

6. OVERTIME

Overtime is not authorized for this order.

7. SECURITY

Security clearance level will be required in accordance with the attached DD-254 (attachment 3). All contractor personnel are required to comply with computer security requirements applicable to the Government's computer systems being used or accessed by them during the performance of this contract. When a decision is made known to a contractor employee that the employee will no longer need access to a Government computer system (due to dismissal, reassignment or resignation), it is the responsibility of the contractor to immediately notify the Contracting Officer Representative (COR) that the individual will not be permitted access to the computer system, and its data files. A Secret Clearance will be required in order to access specific compartments on surface ships to gain access to network hardware. The contractor shall ensure compliance as per the attached DD254 requirement.

8. NAVY INFORMATION ASSURANCE (IA) WORK FORCE REQUIREMENTS

Contractor shall ensure that employees keep all required certifications current to meet Navy Information Assurance (IA) Workforce requirements. The definitions of the categories in the IA Workforce and the acceptable certification for each category can be found at the following website:

<http://www.dtic.mil/whs/directives/corres/pdf/857001m.pdf>

A table listing the Labor Categories and their associated IA Workforce Categories is as follows:

Task Area	Labor Category	Duties	IAWF Level	Baseline Cert.	OS Cert.
2.1, 2.2	Network System Engineer	Provide technical guidance to lower engineers or software professionals.	IAT-2	GSEC or SEC+ or SCNP or SSCP	LINUX+ Or MCP-WXP
2.1, 2.2	Senior Tech Specialist	Providing network configuration support	IAT-2	GSEC or SEC+ or	LINUX+ Or MCP-WXP

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				SCNP or SSCP	
2.1, 2.2	Tech Specialist	Provide network Support	IAT-2	GSEC or SEC+ or SCNP or SSCP	LINUX+ Or MCP-WXP

This is required as a condition of employment. Each labor category that applies should have this requirement added to the other requirements such as college degrees.

9. MATERIAL

General administrative supplies to include copying, printing, transparencies, binders, reproduction, report bindings, and networks, navigation and IBC systems hardware components for engineering prototype development and R&D. Actual Material requirements will be identified under a Technical Instruction.

10. STAFFING

The contractor shall be responsible for employing technically qualified personnel to perform the tasks to be ordered hereunder. The contractor shall maintain the personnel, organization and administration control necessary to ensure that the work delivered meets the task order specification requirements. In the event an individual proposed for performance under the resultant contract is not currently employed by the offeror, the offeror shall include, with the listing, a letter of intent signed by that individual which states the person's intent to accept employment with that offeror within thirty (30) days of task order award if the contract is awarded to the offeror.

The work history of each employee must contain experience directly related to the task and functions he/she intends to perform under this task order. The Government reserves the right, during the term of this task order, to request work histories on any contractor employee for purposes of verifying compliance with this requirement.

Contractor Personnel Identification:

In the performance of this contract, contractor employees shall identify themselves as contractor personnel by introducing themselves or being introduced as contractor personnel and by displaying distinguishing badges or other visible identification for meetings with Government personnel. Contractor personnel shall appropriately identify themselves as contractor employees in telephone conversations and formal and informal written correspondence.

If the Contracting Officer questions the qualifications or competence of any person performing under the task order, the burden of proof to sustain that the person is qualified as prescribed herein shall be upon the contractor.

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10.1 Key Personnel

Key Personnel - The following labor categories are designated Key Personnel for this task order. Resumes will be submitted for each category in the quantities indicated in parenthesis by the key category description.

In addition, the contractor is responsible for employing those personnel proposed under the “Key Personnel” categories identified under this Task Order. Any substitution / addition of personnel under those identified as Key Personnel shall be subject to the Substitution of Key Personnel Clause identified under the Basic Seaport Contract of this Task Order.

The Target Education and Qualifications for the **key labor categories** below are as follows:

Project Manager (One resume required)

(Contractor Site)

Target Education/Experience: A Bachelors Degree in engineering or related technology field is required and a minimum of 5 years experience with the functional responsibilities described below.

Functional Responsibility: The project manager must have experience defining project requirements, developing project plans, executing technical workload, monitoring and evaluating project performance, and reported progress to the client. The project manager must have demonstrated knowledge of the principals of project management. The project manager must understand customer requirements and will be responsible for all or parts of individual delivery orders. The project manager must be capable of supervising employees, and communicating clearly in writing and orally.

Network Systems Engineer (One resume required)

(On-Site Philadelphia x1)

Target Education/Experience: A Bachelor’s Degree or equivalent in an engineering or technical discipline is required and a minimum of 10 years related experience with the functional responsibilities described below.

Functional Responsibility: The network systems engineer independently performs as a recognized technical expert in the area of network systems integration or project management. The networks systems engineer applies intensive knowledge of hardware and/or software engineering principles. The networks systems engineer assignments will result in studies, evaluations, and recommendations and solutions to highly complex and important engineering or technical problems. He or she may provide technical guidance to lower level engineers or software professionals.

Senior Technology Specialist (One resume required)

(On-Site Philadelphia x1)

Target Education/Experience: A Bachelor’s Degree or Information Technology Degree is required and a minimum of 10 years related experience with the functional responsibilities described below.

Functional Responsibility: The senior technology specialist must have demonstrated experience providing troubleshooting support to shipboard IBCs and networks. Specifically the individual must have experience in providing operational support for user-related questions and problems; providing maintenance support for system problems or equipment failures; providing network configuration support, including review of configuration settings, configuration modification for best performance, and troubleshooting; and providing network support, including detection and resolution of network connectivity problems.

Field Engineer (One resume required)

(On-Site San Diego x1)

Target Education/Experience: Five years experience in an engineering or technology related discipline with the functional responsibilities described below.

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Functional Responsibility: The field engineer provides technical expertise to customers, users or Navy personnel at Navy homeports with a high degree of independence. Supports systems designs, software and equipment layout and develops, implements, installs, tests, modifies and/or operates complex equipment and systems. Develops test plans. The field engineer must have demonstrated experience instructing end users in the operation and maintenance of complex systems.

10.2 Non-Key Personnel

Non-Key Personnel - The following labor categories are designated non-Key Personnel for this task order. The offeror shall provide a listing of non-key personnel who will be assigned to the categories of labor specified below as non-key. Although resumes are not required for Non-Key Personnel, these personnel must meet the qualifications specified in this section to be acceptable and the offeror must certify in writing that all proposed personnel meet the prescribed requirements.

The minimum education and qualifications for the respective non-key labor categories are as follows:

Program Manager

(Contractor Site)

Minimum Education/Experience: A Bachelor's Degree in an engineering-related discipline and 10 years experience with the functional responsibilities described below.

Functional Responsibility: Senior technical professional who possesses supervisory and managerial experience in completing an engineering project development from inception to production. The experience should also include a demonstrated ability to provide guidance and direction for particular tasks. Other duties must have included estimation of manpower needs, scheduling, and assignment of work in order to meet completion dates. The Program Manager shall coordinate and manage the activity of a technical function. Expertise in the management and control of funds and resources is preferable.

Technology Specialist

(On-Site Philadelphia x1)

Minimum Education/Experience: A Bachelor's degree or Information Technology Degree or equivalent with 3 years experience providing troubleshooting support to computer-based system and networks and experience with the functional responsibilities described below.

Functional Responsibility: The technology specialist must have experience with shipboard network systems and associated user systems including Navigation and IBCs. Specifically the individual must have experience in providing operational support for user-related questions and problems; providing maintenance support for system problems or equipment failures; providing server configuration support, including review of configuration settings, configuration modification for best performance, and troubleshooting; and providing network support, including detection and resolution of network connectivity problems

Application Developer

(On-Site Philadelphia)

Minimum Education/Experience: A Bachelors Degree in a computer/math/information technology or engineering related discipline is required and 5 years experience with the functional responsibilities described below.

Functional Responsibility: The application developer must have demonstrated experience developing and modifying customized software applications for networking and navigation systems. The application developer also must have demonstrated experience installing, configuring, administering and maintaining the software and hardware resources necessary for the development and implementation of customized software applications. Additional duties of the application developer include system planning and management of the introduction of hardware and software modifications to the existing system.

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Junior Application Developer

(On-Site Philadelphia)

Minimum Education/Experience: A Bachelors Degree in an engineering or technology related discipline and experience with the functional responsibilities described below.

Functional Responsibility: The junior application developer must be capable of supporting system level design, development, verification and implementation of customized software applications. The developer will support system level engineering and analysis in operational environments. Additional duties include the support of software architecture and modeling in the support of design, development and system implementation. The developer must have demonstrated experience with the quality analysis and control of installation plans and procedures for upgrading computer systems.

Junior Engineer

(On-Site Philadelphia)

Minimum Education/Experience: A Bachelors Degree in an engineering or technology related discipline with 2 years experience with the functional responsibilities described below.

The field engineer provides technical expertise to customers, users or company personnel either at domestic or international field sites with a high degree of independence. Supports systems designs, software and equipment layout and develops, implements, installs, tests, modifies and/or operates complex equipment and systems. Develops test plans and preventative maintenance programs. The field engineer must have demonstrated experience instructing end users in the operation and maintenance of the complex systems.

Data Analyst

(Contractor Site)

Minimum Education/Experience: A high school diploma and a minimum of 3 years experience in implementing technology applications and with the functional responsibilities described below are required.

Functional Responsibility: The data analyst assists in defining the requirements for developing and maintaining data management applications. The data analyst plays a role in developing and analyzing documentation, applications and reports. The data analyst must be capable of utilizing all Microsoft™ Office suite products.

Senior Word Processor

(Contractor Site)

Minimum Education/Experience: A high school diploma and a minimum of 3 years experience with the functional responsibilities described below.

Functional Responsibility: The senior word processor shall have experience in clerical, administrative assistant, secretarial, or office work experience is required. Familiarity with Microsoft™ Office is required.

Administrative Assistant

(On-Site Philadelphia x1)

Minimum Education/Experience: An Associate's Degree or equivalent and a minimum of 3 years experience with the functional responsibilities described below is required or a Bachelor's Degree in Finance/Accounting and a minimum of 1 year experience with the functional responsibilities described below.

Functional Responsibility: The administrative assistant conducts administrative and record keeping aspects of the operation of technical projects/programs. He or she applies knowledge of office management, methods, and procedures in producing and maintaining documentation, correspondence, records, or directives. The administrative assistant must exercise judgment in accomplishing tasking, and works independently. He or she shall have advanced

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skills in Microsoft Office applications including Microsoft Project for program planning and resource scheduling, experience with SLDCADA Timekeeping Information System, and experience with Enterprise Resource Planning (ERP) support and execution.

239.7102-3 INFORMATION ASSURANCE CONTRACTOR TRAINING AND CERTIFICATION

(a) For acquisitions that include information assurance functional services for DoD information systems, or that require any appropriately cleared contractor personnel to access a DoD information system to perform contract duties, the requiring activity is responsible for providing to the contracting officer-

(1) A list of information assurance functional responsibilities for DoD information systems by category (e.g., technical or management) and level (e.g., computing environment, network environment, or enclave); and

(2) The information assurance training, certification, certification maintenance, and continuing education or sustainment training required for the information assurance functional responsibilities.

(b) After contract award, the requiring activity is responsible for ensuring that the certifications and certification status of all contractor personnel performing information assurance functions as described in DoD 8570.01-M, Information Assurance Workforce Improvement Program, are in compliance with the manual and are identified, documented, and tracked.

(c) The responsibilities specified in paragraphs (a) and (b) of this section apply to all DoD information assurance duties supported by a contractor, whether performed full-time or part-time as additional or embedded duties, and when using a DoD contract, or a contract or agreement administered by another agency (e.g., under an interagency agreement).

(d) See PGI 239.7102-3 for guidance on documenting and tracking certification status of contractor personnel, and for additional information regarding the requirements of DoD 8570.01-M.

252.239-7000 Protection Against Compromising Emanations.

As prescribed in 239.7103(a), the following clause is incorporated:

PROTECTION AGAINST COMPROMISING EMANATIONS (JUN 2004)

(a) The Contractor shall provide or use only information technology, as specified by the Government, that has been accredited to meet the appropriate information assurance requirements of—

(1) The National Security Agency National TEMPEST Standards (NACSEM No. 5100 or NACSEM No. 5100A, Compromising Emanations Laboratory Test Standard, Electromagnetics (U)); or

(2) Other standards specified by this contract, including the date through which the required accreditation is current or valid for the contract.

(b) Upon request of the Contracting Officer, the Contractor shall provide documentation supporting the accreditation.

(c) The Government may, as part of its inspection and acceptance, conduct additional tests to ensure that information technology delivered under this contract satisfies the information assurance standards specified. The Government may conduct additional tests—

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- (1) At the installation site or contractor's facility; and
- (2) Notwithstanding the existence of valid accreditations of information technology prior to the award of this contract.
- (d) Unless otherwise provided in this contract under the Warranty of Supplies or Warranty of Systems and Equipment clause, the Contractor shall correct or replace accepted information technology found to be deficient within 1 year after proper installations.
- (1) The correction or replacement shall be at no cost to the Government.
- (2) Should a modification to the delivered information technology be made by the Contractor, the 1-year period applies to the modification upon its proper installation.
- (3) This paragraph (d) applies regardless of f.o.b. point or the point of acceptance of the deficient information technology.

(End of clause)

252.239-7001 Information Assurance Contractor Training and Certification.

As prescribed in 239.7103(b), use the following clause:

INFORMATION ASSURANCE CONTRACTOR TRAINING AND CERTIFICATION

(JAN 2008)

- (a) The Contractor shall ensure that personnel accessing information systems have the proper and current information assurance certification to perform information assurance functions in accordance with DoD 8570.01-M, Information Assurance Workforce Improvement Program. The Contractor shall meet the applicable information assurance certification requirements, including—
- (1) DoD-approved information assurance workforce certifications appropriate for each category and level as listed in the current version of DoD 8570.01-M; and
- (2) Appropriate operating system certification for information assurance technical positions as required by DoD 8570.01-M.
- (b) Upon request by the Government, the Contractor shall provide documentation supporting the information assurance certification status of personnel performing information assurance functions.
- (c) Contractor personnel who do not have proper and current certifications shall be denied access to DoD information systems for the purpose of performing information assurance functions.

(End of clause)

PGI

(Added January 10, 2008)

PGI 239.71-SECURITY AND PRIVACY FOR COMPUTER SYSTEMS

PGI 239.7102 Policy and responsibilities.

PGI 239.7102-3 Information assurance contractor training and certification.

(1) The designated contracting officer's representative will document the current information assurance certification status of contractor personnel by category and level, in the Defense Eligibility Enrollment Reporting System, as required by DoD Manual 8570.01-M, Information Assurance Workforce Improvement Program.

(2) DoD 8570.01-M, paragraphs C3.2.4.8.1 and C4.2.3.7.1, requires modification of existing contracts to specify contractor training and certification requirements, in accordance with the phased implementation plan in

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Chapter 9 of DoD 8570.01-M. As with all modifications, any change to contract requirements shall be with appropriate consideration.

11. RELEASE OF INFORMATION

All technical data provided to the contractor by the government and/or by the contractor for the government shall be protected from public disclosure in accordance with the markings contained therein. All other information relating to the items being delivered or services being performed under this delivery order may not be disclosed by any means without prior approval of the authorized representative of the contracting officer. Dissemination or public disclosure includes, but is not limited to: permitting access to such information by foreign nationals or by any other persons on entity, publication or technical or scientific, advertising, or any other proposed public release. The contractor shall provide adequate physical protection to such information so as to preclude access by any person or entity not authorized such access by the Government.

12. Contracting Officer's Representative (COR)

Anita Baron, Code 964
5001 S. Broad Street
Philadelphia PA 19112
215-897-7659
anita.baron@navy.mil

13. DELIVERABLES

The contractor shall provide the following Technical Data deliverables:

A monthly report detailing the progress to date and identify plans for the next reporting period of support. It will include an up-to-date total hours expended and costs incurred report.

- Trip reports as supported.
- Progress and Financial Reports: A monthly progress and financial report will be submitted to the TOM with a copy to the Contracting Officer. The report shall also include the number of man-hours charged to the task order.

In addition, the contractor shall also provide any networks, navigation and IBC systems hardware components for engineering prototype development and R&D, as identified under a particular Technical Instruction.

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SECTION D PACKAGING AND MARKING

HQ D-2-0008 MARKING OF REPORTS (NAVSEA) (SEP 1990)

All reports delivered by the Contractor to the Government under this contract shall prominently show on the cover of the report:

- (1) name and business address of the Contractor
- (2) contract number
- (3) task order number
- (4) sponsor: _____

(Name of Individual Sponsor)

(Name of Requiring Activity)

(City and State)

Ship all Reports/Data to the following address:

Anita Baron, Code 964
5001 S. Broad Street
Philadelphia PA 19112
215-897-7659
anita.baron@navy.mil

All Deliverables shall be packaged and marked IAW Best Commercial Practice.

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SECTION E INSPECTION AND ACCEPTANCE

Inspection and Acceptance will be performed at Destination by NSWCCD-SSES Personnel.

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SECTION F DELIVERABLES OR PERFORMANCE

The periods of performance for the following Items are as follows:

4000	7/12/2011 - 5/31/2013
4100	1/8/2013 - 1/7/2014
4200	7/12/2013 - 7/11/2014
6000	7/12/2011 - 5/31/2013

CLIN - DELIVERIES OR PERFORMANCE

The periods of performance for the following Items are as follows:

CLINs 4000 and 6000-Base Period: Date of award to 365 days after task order award
CLINs 4100 and 6100-Option Period I: 365 days after award of Base Period
CLINs 4200 and 6200-Option Period II: 365 days after exercise of Option I