

PERFORMANCE WORK STATEMENT (PWS)

Joint Project Manager Information Systems (JPM IS)

Joint Warning and Reporting Network (JWARN)

Software Development and Maintenance



Joint Program Manager Information Systems (JPM IS)

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Performance Work Statement

Joint Project Manager Information Systems (JPM IS)

Joint Warning and Reporting Network (JWARN) Existing and Future Software Development, Integration, Upgrade and Maintenance Services

1. Introduction

The Performance Work Statement (PWS) describes the Contractor's work in terms of required results for the procurement of software development, integration, and on-going software upgrade services, including software maintenance and production updates to Joint Warning and Reporting Network (JWARN).

2. Background

JWARN provides a single standardized Chemical, Biological, Radiological and Nuclear (CBRN) defense monitoring, analysis and response capability, the technology to collect, analyze, identify, locate, report, and disseminate information on CBRN, Toxic Industrial Chemical (TIC) and Toxic Industrial Material (TIM) incidents and environmental hazards to the Joint Forces and Department of Defense (DoD) Incident Commanders. JWARN is compatible and currently integrated with Joint and Service Common Operating Environment (COE) and non COE-based (tactical) Command and Control (C2) systems. JWARN capabilities, focused on current operations at the tactical and operational levels of warfare, include CBRN situational awareness, basic analysis, warning and reporting to minimize the adverse effects of CBRN and TIC/TIM hazards. JWARN is located in Command and Control Centers (CCCs) at the appropriate level and will be employed by Nuclear, Biological and Chemical (NBC) Defense specialists and other designated personnel.

Once CBRN sensors/detectors have been connected to tactical networks, JWARN will receive information enhancing the integrated early warning capability for the operational environment. JWARN will facilitate sensor/detector information exchange via interface standards, but will not provide the sensors that will be employed in the operating environment. The JWARN operational concept assumes that one or more sensor networks will exist within the operational environment where JWARN would be employed as the means to receive, integrate and disseminate sensor outputs. JWARN will transfer data automatically to and from NBC sensors and will provide commanders with analyzed data to support operational decision making in an NBC environment. JWARN will provide additional data processing, assist in the production of plans and reports, and provide access to specific NBC information to improve the efficiency of limited NBC personnel assets.

Acquisition management for JWARN is provided by the Joint Project Manager for Information Systems (JPM IS), a project office of the Joint Program Executive Office for Chemical and Biological Defense (JPEO-CBD). Requirements for JWARN are generated by the Joint Requirements Office for CBRN Defense (JRO-CBRND), working together with the JWARN stakeholders and the JWARN Program Management Office (PMO).

Based on requirements contained in the original JWARN Operational Requirements Document (ORD), the Chemical and Biological Defense Program (CBDP) began development and prototyping of science and technology (S&T) for JWARN new development components in FY05 through a series of Broad Agency Announcements (BAA) managed by the Defense Threat Reduction Agency

Source Selection Information – See FAR 2.101 and 3.104

(DTRA) Joint Science and Technology Office (JSTO). The JWARN Increment 1 Capability Production Document (CPD) was approved in December 2007. JWARN Incr 1 attained a Full Deployment Decision (FDD) in October 2010 for use on Global Command and Control System – Joint and Army (GCCS-J/A) and Command and Control Personal Computer (C2PC)/Joint Tactical Common Operational Picture Workstation (JTCW).

New JWARN development will retain the functionality of the existing baseline, while implementing additional functionality. JWARN development will include additional requirements after the completion of the JWARN Information Systems Initial Capability Document (IS ICD) with the Services or Combatant Commands (COCOMs). JWARN development and maintenance requirements will be generated under the “IT-Box” framework.

3. Scope

The Contractor shall develop JWARN software and associated technical documents, as described within the PWS and attached CDRLs. Additionally, the Contractor shall provide program and systems engineering management support to plan and execute all required work. The Contractor shall be responsible for maintenance, configuration management, and information assurance of the existing JWARN baseline.

JWARN software upgrade and maintenance shall encompass problem fixes, upgrades and enhancements to existing capabilities, and build releases required to support changes to Service C4I host platforms and applications, as well as other support to ongoing JWARN baseline Government Developmental Testing and Evaluation (DT&E) and Follow-on Test and Evaluation (FOT&E). Maintenance will be coordinated with JWARN PMO and will include updates to the appropriate documentation. A software maintenance build will not be considered complete until all identified documentation is delivered and approved by the JWARN PMO, in accordance with this PWS, Contract Data Requirements Lists (CDRLs), and Technical Instructions (TIs).

The contractor shall work with various JWARN IPT working groups to analyze, discuss, evaluate, and resolve any software development issues with respect to the JWARN integration efforts. The Contractor shall provide the fielded product upgrade support of the JWARN software. The Contractor shall support the Program Change Report (PCR) Process. The Contractor shall provide support to develop or update classroom curriculum and training materials for systems in development. The Contractor shall conduct or support system test and evaluation, as described in the PWS below.

4. Performance Requirements for RDT&E

4.1 Program and Systems Engineering Management (RDT&E)

The Contractor shall provide program management support to plan and execute all work required under this PWS, the CDRLs, and future TIs. The Contractor shall ensure all work conducted under this PWS is planned and executed in a manner that will achieve cost, schedule, and performance objectives. The Contractor shall use the COR as the primary point of contact for all program activities.

4.1.1 Post Award Conference

The Contractor shall attend a half-day Post-Award Conference (PAC) with the Government Program Office and contracting representatives. The PAC will be scheduled by the Procurement

Contracting Officer (PCO) in conjunction with the Program Office as soon as practicable after the contract award.

4.1.2 Program Management

The Contractor shall attend a one-day Introductory Technical Exchange Meeting (ITEM) led by the government. The ITEM will be scheduled by the COR in conjunction with the PMO as soon as practicable after the contract award.

Following the ITEM, the contractor shall schedule, coordinate and present program status updates to include software delivery schedules at monthly In Process Reviews (IPRs) in or around San Diego, CA at a Government facility or, per the request of the Government, at the contractor site. Upon the Government's request, additional IPRs may be scheduled if critical issues arise or significant events or changes occur. Within 5 business days of any IPR, the Contractor shall provide the following deliverable:

CDRL A002: Briefing Materials

Within 5 days following the ITEM or any IPR, the contractor shall provide the following deliverables:

CDRL A006: Meeting Minutes

4.1.3 Contract Work Breakdown Structure

The Contractor's cost and performance management approach shall be documented in a Contract Work Breakdown Structure (CWBS) and Data Dictionary. The CWBS shall be created in accordance with MIL-HDBK-881 and shall contain granularity commensurate with the work to be performed under this PWS. The CWBS shall be delivered in accordance with the following deliverable:

CDRL A003: Contract Work Breakdown Structure (CWBS)

4.1.4 Management, Development, and Test Plans

The Contractor shall define a systems engineering management approach appropriate for the work to be performed under this PWS. The Contractor shall document this approach in a Systems Engineering Management Plan (SEMP) consistent with the terms of this PWS and delivered in accordance with SEMF CDRL. The Contractor shall perform all applicable work in accordance with the Contractor's Government-approved SEMF. The Contractor shall provide the following deliverable:

CDRL A004: Systems Engineering Management Plan (SEMP)

The Contractor shall define a software development approach appropriate for the work to be performed under this PWS. The Contractor shall document this approach in a Software Development Plan (SDP) consistent with the terms of this PWS and SDP CDRL. The Contractor shall perform all applicable work in accordance with the Contractor's Government-approved SDP. The Contractor shall provide the following deliverable:

CDRL A005: Software Development Plan (SDP)

The Contractor shall define a test strategy that describes plans for qualification testing of Computer Software Configuration Items (CSCIs) and software systems. The Contractor shall document this approach in a Software Test Plan (STP) that describes the software test environment to be used for

the testing, identifies the tests to be performed, and provides schedules for test activities. The Contractor shall provide the following deliverable:

CDRL A019: Software Test Plan (STP)

The Contractor shall deliver an initial Agile Software Metrics Report at the conclusion of the first Sprint of each iteration and release. The Contractor shall deliver an updated Agile Software Metrics Report at the conclusion of every other Sprint that covers the work completed and changes since the last report. The Contractor shall deliver an Agile Software Metrics Report at the conclusion of the final Sprint of each iteration and release and with each software delivery. The desired input includes: define time span for completed Sprint; total hours for the Sprint; list of stories completed and number of story points claimed for the completed Sprint; up to date list of stories in the Product Backlog; and updated estimate of story points that can be executed per Sprint. The Contractor shall provide the following deliverable:

CDRL A009: Agile Development Metrics Report (ADMR)

4.1.5 Routine Contractor Reporting

A) Monthly Status Report

On a monthly basis, the Contractor shall deliver a Monthly Status Report (MSR) that briefly discusses upcoming meetings, deliveries, travel, activities accomplished, plan for the next month, new issues, and current issues. The Contractor should highlight those items that are new additions over the previous week's MSR. The Contractor shall provide the following deliverable:

CDRL A001: Monthly Status Report (MSR)

B) Integrated Program Management Report

On a monthly basis, the Contractor shall provide an abbreviated Integrated Program Management Report (IPMR) to: integrate cost and schedule performance data with technical performance measures; identify the magnitude and impact of actual and potential problem areas causing significant cost and schedule variances; provide valid, timely program status information and risks to the Program Office; and describe the planned events and milestones, exit criteria, and activities, which shall directly relate to specific accomplishments. The Contractor shall provide Formats 1, 5, 6, and 7 of the following deliverable:

CDRL A007: Integrated Program Management Report (IPMR)

C) Software Resources Data Report

The Contractor shall provide Software Resources Data Reporting (SRDR) to describe the software product, developer, and actual as-developed software product size, development schedule, peak staff, and direct labor hours incurred. SRDR consists of an Initial Developer Report and Final Developer Reports, and shall be delivered by the Contractor in accordance with SRDR CDRL. The Contractor shall provide the following deliverable:

CDRL A008: Software Resources Data Reporting (SRDR)

4.2 Software Development and Technical Documentation (RDT&E)

4.2.1 JWARN Software Development Requirements

The Contractor shall develop JWARN software within an IT-Box framework as described in the Manual for the Operation of the Joint Capabilities Integration and Development System. The final JWARN software delivery must meet the following requirements:

- a) All components incorporated within the software are capable of meeting a Technology Readiness Level 6 assessment
- b) The software will execute in the JPM IS compile and test environment
- c) The software can be run with the JPM IS automated test tool
- d) The software complies with the Net-Ready Key Performance Parameter (NR-KPP) as defined in CJCSI 6212.01, "Interoperability and Supportability of Information Technology and National Security Systems"
- e) The software complies with current active communication and software standards, as defined in the JWARN TV-1 as contained in the DoD IT Standards Registry (DISR Online)
- f) The software contains web service methods to support XML schemas (e.g. Ozone Widget Framework), in order to exchange information across Joint and Service commanders and units while complying with the DoD Net-Centric Data Strategy
 - i. Support information sharing among the CBRN communities
 - ii. Provide a formal working-level forum which centralizes issues related to net-centricity, data sharing, and exchanges
 - iii. Identify and facilitate initiatives that implement common vocabulary, lexicon, schema, and services which promote machine-to-machine data exchanges
 - iv. Comply with DoD Net-Centric Data Strategy
 - v. Advance the war fighter's ability to obtain and use CBRN information
 - vi. Represent the interests of the COI to other domains and COIs
- g) The software retains all existing JWARN Incr 1 functionality¹ and retains backward compatibility with existing JWARN software
- h) The software includes updates for Category 1 Information Assurance Vulnerability Management (IAVM) alerts and DISA Web Services and Application Server Security Technical Implementation Guides (STIGs) effective 45 days prior to delivery and program office approval for the plan to implement Category 1 IAVMs and STIGs effective within the 45 days.
- i) The software can be implemented as a net-centric web service, as a segment/injector for a C2 host system, or reside on a Standalone Personal Computer (SPC)
- j) Allow Services to implement as a full CBRN enterprise or to complement Service web services
- k) New and revised web-service capability can be provided as a widget, software slice, or entire JWARN software replacement package depending on size of change and Service needs
- l) In addition to Incr 1 capabilities, the software will demonstrate the following capabilities:
 - i. Interoperate with the following C4ISR systems
 - i. Theater Battle Management Core System (TBMCS) - Unit Level/Unit Command and Control (UL/UC2)
 - ii. GCCS-Korea (GCCS-K)

¹ See JWARN Incr 1 System Performance Specification

- ii. Operate on unclassified and classified LANs and WANs (NIPRNET/SIPRNET) and meet Navy Marine Corps Intranet (NMCI), and US Air Force Communication and Information Infrastructure Technology Reference Model (I-TRM) certification requirements when implemented as a segment/injector or SPC
- iii. Access intelligence information from Global Broadcast Service (GBS) Theater Injection Point (TIP) missile intercept, the Air Missile Defense Workstation (AMDW) of the Air Missile Defense Planning and Control System (AMDPCS) and the Integrated Broadcast Service (IBS).
- iv. Integrate into Service networks to receive sensor alerts and readings, send sensor commands to CCSI and legacy sensors, prioritize critical information for transmission, and collect and display sensor network status
- v. Manage sensor data and make it available to JEM to support Sensor Data Fusion for improved source term estimation
- vi. False alarm reduction by providing operator-configurable alert filtering capability based on the number and geographic relationships of detectors enabling automatic validation and correlation of CBRN detector alerts
- vii. Optimal sensor placement tool accounting for weather and terrain (even on C2 systems historically without terrain data)
- viii. Enhanced CBRN route planning to plan alternate course of actions to account for hazards, time, terrain, etc.
- ix. Implement updated CBRN incident reporting message formats (e.g., NORAD Nuclear Biological Chemical Warning and Reporting System (NBCWRS) Instruction 10-22)
- x. Facilitate the storage, retrieval, display, modification and transfer of intelligence data used in reports (e.g., NBC Reports, NBC Annexes to OPORDs, FRAGORDs)
- xi. Archive, recall and restore sensor/detector data (both automatically received and manually entered)
- xii. Automatically acquire METOC data (current, forecast and historical) for global, regional and local areas using the JEM weather Service, access and use non-standard (non DOD provided) weather data, and accept raw weather data from local weather sensors (e.g., shipboard, Weather Pak, Meteorological Data System (MDS))
- xiii. Increased automation of message handling and improved workflow
- xiv. Implement evolving standards for data formats supporting warning and reporting (ATP-45, ERG, USMTF, VMF, DDS, PLA, GFAI, etc.)
- xv. Import and display LANDSCAN population data

4.2.2 Software and Documentation Delivery Requirements

The Contractor shall deliver software in accordance with the *JPM IS Software Deliveries Process, SOP 31* (24 March 2010) to include delivery of Software Items and Technical Documentation described below. Software delivery shall include all components of the software, even if no changes have been made to specific components. The Contractor shall ensure that all software and documentation are delivered electronically if possible. If problems arise which prevent electronic delivery (e.g. network outages), or if the size of the software file(s) is too large thereby preventing a successful download, then deliveries should be made via DVD(s).

As part of a Software Delivery, the Contractor shall create and deliver the following software and technical documentation:

CDRL A010: Software Product Specification (SPS) (Software Code Deliverables)

CDRL A018: Software Test Description (STD)

CDRL A020: Software Test Report (STR)

CDRL A011: Software Requirements Specification (SRS)

CDRL A012: Software Design Description (SDD)

CDRL A013: Software Version Description (SVD)

CDRL A014: Interface Design Document (IDD)

CDRL A015: Software Programmer's Guide (SPG)

CDRL A016: System Administrator Manual (SAM)

CDRL A017: Software User Manual (SUM)

4.3 Configuration Management (RDT&E)

The Contractor shall develop a configuration management strategy for systems in development that is consistent with the JPM IS Standard Operating Procedures. The Contractor shall develop a mechanism for recording, tracking, and reporting the status of Configuration Items (CIs).

4.4 Information Assurance (IA) Implementation (RDT&E)

The Contractor shall deliver software that is secure and accreditable. The Contractor shall ensure security requirements, as described in the JWARN IA Strategy, are addressed in software design and development. The Contractor shall conduct security scans, document vulnerabilities, correct vulnerabilities, and document the resolution or mitigation of vulnerabilities. The Contractor shall support the Government's effort to accomplish JWARN accreditation by assessing the validity of vulnerabilities identified during formal Government accreditation testing, recommending corrective actions to resolve or mitigate vulnerabilities, and estimating the level of effort and time required to resolve valid vulnerabilities.

4.4.1 Maintain IA Baseline Integrity

The Contractor shall ensure that the addition of software developed under this PWS does not compromise the security posture of the JWARN software. Any Category 1 and Category 2 findings shall be considered a compromise of the security posture of the JWARN software. Category definitions shall be governed by DoDI 8510.01, DoD Information Assurance Certification and Accreditation Process (DIACAP).

4.4.2 IA Implementation Plan

The Contractor shall implement IA strategies and a validation plan consistent with JWARN's IA Strategy.

4.4.3 IA Control Testing and Validation

The Contractor shall demonstrate compliance with the applicable IA controls through performance of a Contractor IA Self Assessment. The Contractor shall evaluate each software end-item against the applicable Security Technical Implementation Guides (STIGs) or checklists as provided in the JWARN IA Strategy. Additionally, for STIGs or checklists that are supported by automated test tools, the Contractor shall deliver the test reports generated by the test tools as part of any software delivery:

CDRL A021: Information Assurance Test Tool Reports (IATTRs)

4.5 Software Integration Support (RDT&E)

The Contractor shall perform on-going software upgrades and C2 integration services. As described in subsequent TIs, the contractor shall work with various JWARN IPT working groups to analyze, discuss, evaluate, and resolve any software development issues with respect to the JWARN integration efforts. The Contractor's integration requirements include:

- a) Integration of JWARN Net Centric and Web Services, including requirements defined in the Net Centric Operations and Warfare Reference Model (NCOW RM)
- b) Compliance with applicable Global Information Grid (GIG) Key Interface Profiles (KIPs)
- c) Compliance with applicable Net-centric Enterprise Solutions for Interoperability (NESI) guidelines
- d) Compliance with the CBRN COI Naming Style Guide
- e) Update of DoD Architecture Framework (DoDAF) products, as requested by the JWARN PMO
- f) Gathering of system interface requirements, as requested by the JWARN PMO
- g) Interoperability of JWARN capability with Service C2 environments, such as DoD COE Army COE (Command Web), GCCS-J/M/A/AF/K, Command Post of the Future (CPOF), Theater Battle Management Core System-Unit Level/Unit Command and Control (TBMCS-UL/UC2), Navy Marine Corps Internet (NMCI), and JTCW/C2PC

4.6 S&T Integration Services (RDT&E)

The Contractor shall perform on-going software upgrades and S&T integration services. As described in subsequent TIs, the contractor shall analyze, design, and develop the JWARN architecture and software to include approved S&T components. The contractor shall work with working groups to analyze, discuss, evaluate, and resolve any software development issues with respect to the JWARN S&T model integration efforts.

4.7 System Upgrade Support Services (RDT&E)

4.7.1 Fielded System Upgrade Support

The Contractor shall provide the fielded product upgrade support of the JWARN software. Software upgrades shall be performed on the most recently fielded product baselines established by and approved by the Government. Additionally, the Contractor shall:

- 1) Review and provide input to Government-developed Change Requests
- 2) Develop Change Requests
- 3) Review and provide input to system configuration
- 4) Review and provide input to software load procedures
- 5) Review and provide input to production and installation drawings and documentation
- 6) Review and provide input to System problem resolution

Source Selection Information – See FAR 2.101 and 3.104

- 7) Review and provide input to pre-installation check out procedure
- 8) Provide input to version configuration required for proper system operation, production testing and configuration management

4.7.2 Program Change Report (PCR) Process Support

The Contractor shall support the Program Change Report (PCR) Process consistent with *JPM IS Program Change Report (PCR) Change Control Process, SOP 10* (14 Sep 2009). Upon Government request, the Contractor shall analyze and provide estimated costs to implement Change Requests and Problem Reports.

As used herein, a Change Request is a feature that should be added to the JWARN software, and is also known as a Change Proposal (CP) or request for enhancement. Change Requests consist of Engineering Change Proposals (ECPs) and Software Change Proposals (SCPs).

As used herein, a Problem Report is a behavior that violates a product or document specification, and is also known as a bug. Problem Reports consist of Software Trouble Reports (STRs) and Document Change Reports (DCPs).

4.7.3 Software Delivery

The Contractor shall provide software deliveries in accordance with subsequent Government-provided Technical Instructions (TIs). In delivering the software, the Contractor shall adhere to the *JPM IS Software Deliveries Process, SOP 31* (24 March 2010). Based on the Government's subsequent TI to the Contractor, the Contractor shall make a Formal In-Cycle Delivery or a Formal Out-of-Cycle Delivery.

4.7.3.1 Formal In-Cycle Deliveries

Upon Government TI, the Contractor shall make Formal In-Cycle Deliveries to include delivery of Software Items and Technical Documentation described below. Formal deliveries shall include all components of the software, even if no changes have been made to specific components. The Contractor shall ensure that all software and documentation are delivered electronically, if possible. If problems arise which prevent electronic delivery (e.g. network outages), or if the size of the software file(s) is too large thereby preventing a successful download, then deliveries should be made via DVD(s). As part of a Formal In-Cycle Delivery, the Contractor shall create and deliver the following software and technical documentation:

CDRL A010: Software Product Specification (SPS) (Software Code Deliverables)

CDRL A018: Software Test Description (STD)

CDRL A020: Software Test Report (STR)

Additionally, the Contractor shall provide updates to the following JWARN technical documentation when required to maintain the accuracy of the document (i.e., where the delivered software update has a substantive impact on the technical meaning of the existing document, thereby requiring document revisions to maintain the document's technical clarity and relevancy):

CDRL A011: Software Requirements Specification (SRS)

CDRL A012: Software Design Description (SDD)

CDRL A013: Software Version Description (SVD)

CDRL A014: Interface Design Document (IDD)

CDRL A015: Software Programmer's Guide (SPG)

CDRL A016: System Administrator Manual (SAM)

CDRL A017: Software User Manual (SUM)

CDRL A022: Engineering Notebook (EN)

CDRL A024: CCMi Checklist

CDRL A025: Verification and Validation Report (V&V Report)

4.7.3.2 Formal Out-of-Cycle Deliveries

Upon Government TI, the Contractor shall provide a software upgrade to fix a designated high priority 1 and 2 PCR(s) and technical documentation. Typically, a patch will include only those files that have been changed and can be installed over the top of an existing program, but this will depend on the nature of the patch and the detailed instructions contained within subsequent Government-issued TIs. As part of a Formal Out-of-Cycle Delivery, the Contractor shall create and deliver the following software and technical documentation:

CDRL A010: Software Product Specification (SPS) (Software Code Deliverables)

CDRL A018: Software Test Description (STD)

CDRL A020: Software Test Report (STR)

Additionally, the Contractor shall provide updates to the following JWARN technical documentation when required to maintain the accuracy of the document (i.e., where the delivered software update has a substantive impact on the technical meaning of the existing document, thereby requiring document revisions to maintain the document's technical clarity and relevancy):

CDRL A013: Software Version Description (SVD)

CDRL A022: Engineering Notebook (EN)

CDRL A024: CCMi Checklist

CDRL A025: Verification and Validation Report (V&V Report)

4.7.4 Technical Publications and Training Materials

The Contractor shall provide support to develop or update classroom curriculum and training materials for systems in development. To accomplish this subtask, the Contractor shall provide the Government with updates to the System Administrator Manual (SAM) and Software User Manual (SUM) documenting the administrative, configuration, and user instruction for the JWARN software delivered by the Contractor. The Contractor shall provide updates to the following deliverables:

CDRL A016: System Administrator Manual (SAM)

CDRL A017: Software User Manual (SUM)

4.8 System Test and Evaluation (RDT&E)

The Contractor shall conduct or support system test and evaluation as defined below.

4.8.1 On-Going Developmental Test and Evaluation Support

During the Contractor's Developmental Test (DT), the Contractor shall coordinate with Government personnel to allow for the observation of the Contractor's testing.

The Contractor shall support the Government with any on-going Developmental Testing (DT) consistent with JWARN's integrated master schedule as reported in the Integrated Program Management Report (IPMR). On-going DT events shall include a comprehensive evaluation to ensure the system meets all specifications and operational requirements as defined in the current Test and Evaluation Master Plan (TEMP). Upon Government request, the Contractor's on-going DT support may also include technical Subject Matter Expert (SME) support during test events, resolution of STR deficiencies, and systems operation and maintenance during DT events in order to achieve Government acceptance of the contractor's delivered product. Upon Government request, the Contractor shall provide onsite DT support at a Government system site location, as directed by the Government COR to ensure acceptability of the deliveries under this contract.

Any deficiencies identified by the Government during on-going DT shall be resolved by the Contractor in accordance with the *JPM IS Program Change Report (PCR) Change Control Process, SOP 10* (14 Sep 2009).

4.8.2 Follow-on Operational Test and Evaluation Support

The Contractor shall support the Government with Follow-on Operational Test & Evaluation (FOT&E). FOT&E support will include Contractor delivery of technical SME support, resolution of STR deficiencies, and onsite FOT&E support at a Government system site location as directed by the Government COR to ensure operability of the deliveries made under this order.

5. Performance Requirements for PROC

5.1 Program Management – Production, Installation, and initial Logistics Support (PROC)

The Contractor shall manage production, installation, and initial logistics support efforts to support delivery of JWARN capability. The Contractor shall provide updates to the integrated master schedule as required and provide production status within routine reporting, as required by the Monthly Status Report and Quarterly Status Report CDRLs.

5.1.1 Routine Contractor Reporting

A) Monthly Status Report

On a monthly basis, the Contractor shall deliver a Monthly Status Report (MSR) that briefly discusses upcoming meetings, deliveries, travel, activities accomplished, plan for the next month, new issues, and current issues. The Contractor should highlight those items that are new additions over the previous month's MSR. The Contractor shall provide the following deliverable:

CDRL A001: Monthly Status Report (MSR)

B) Integrated Program Management Report

On a monthly basis, the Contractor shall provide an abbreviated Integrated Program Management Report (IPMR) to: integrate cost and schedule performance data with technical performance measures; identify the magnitude and impact of actual and potential problem areas causing significant cost and schedule variances; provide valid, timely program status information and risks to the Program Office; and describe the planned events and milestones, exit criteria, and activities, which shall directly relate to specific accomplishments. The Contractor shall provide Formats 1, 5, 6, and 7 of the following deliverable:

CDRL A007: Integrated Program Management Report (IPMR)

C) Software Resources Data Report

The Contractor shall provide Software Resources Data Reporting (SRDR) to describe the software product, developer, and actual as-developed software product size, development schedule, peak staff, and direct labor hours incurred. SRDR consists of an Initial Developer Report and Final Developer Reports, and shall be delivered by the Contractor in accordance with SRDR CDRL. The Contractor shall provide the following deliverable:

CDRL A008: Software Resources Data Reporting (SRDR)

5.2 Installation Support (PROC)

The Contractor shall support the Government with JWARN installation planning, installation preparation, installation, and quality assurance checks at integration events. The Contractor shall attend integration events and provide technical support in the form of subject-matter experts.

5.2.1 Software Delivery

The Contractor shall provide software deliveries in accordance with subsequent Government-provided Technical Instructions (TIs). In delivering the software, the Contractor shall adhere to the *JPM IS Software Deliveries Process, SOP 31* (24 March 2010). Based on the

Government's subsequent TI to the Contractor, the Contractor shall make a Formal In-Cycle Delivery or a Formal Out-of-Cycle Delivery.

5.2.1.1 Formal In-Cycle Deliveries

Upon Government TI, the Contractor shall make Formal In-Cycle Deliveries of initial upgrades and software builds to include delivery of Software Items and Technical Documentation described below. Formal deliveries shall include all components of the software, even if no changes have been made to specific components. The Contractor shall ensure that all software and documentation are delivered electronically, if possible. If problems arise which prevent electronic delivery (e.g. network outages), or if the size of the software file(s) is too large thereby preventing a successful download, then deliveries should be made via DVD(s). As part of a Formal In-Cycle Delivery, the Contractor shall create and deliver the following software and technical documentation:

CDRL A010: Software Product Specification (SPS) (Software Code Deliverables)

CDRL A018: Software Test Description (STD)

CDRL A020: Software Test Report (STR)

Additionally, the Contractor shall provide updates to the following JWARN technical documentation when required to maintain the accuracy of the document (i.e., where the delivered software update has a substantive impact on the technical meaning of the existing document, thereby requiring document revisions to maintain the document's technical clarity and relevancy):

CDRL A011: Software Requirements Specification (SRS)

CDRL A012: Software Design Description (SDD)

CDRL A013: Software Version Description (SVD)

CDRL A014: Interface Design Document (IDD)

CDRL A015: Software Programmer's Guide (SPG)

CDRL A016: System Administrator Manual (SAM)

CDRL A017: Software User Manual (SUM)

CDRL A022: Engineering Notebook (EN)

CDRL A024: CCMI Checklist

CDRL A025: Verification and Validation Report (V&V Report)

5.2.1.2 Formal Out-of-Cycle Deliveries

In support of delivering a software upgrade package and upon Government TI, the Contractor shall provide a software patch to improve and fix a designated high priority 1 and 2 PCR(s) and technical documentation. Typically, a patch will include only those files that support an upgrade that does not increase the performance envelope and can be installed over the top of an existing program, but this will depend on the nature of the patch and the detail instructions

contained within subsequent Government-issued TIs. As part of a Formal Out-of-Cycle Delivery, the Contractor shall create and update the following software and technical documentation:

CDRL A010: Software Product Specification (SPS) (Software Code Deliverables)

CDRL A018: Software Test Description (STD)

CDRL A020: Software Test Report (STR)

Additionally, the Contractor shall provide updates to the following JWARN technical documentation when required to maintain the accuracy of the document (i.e., where the delivered software update has a substantive impact on the technical meaning of the existing document, thereby requiring document revisions to maintain the document's technical clarity and relevancy):

CDRL A013: Software Version Description (SVD)

CDRL A022: Engineering Notebook (EN)

CDRL A024: CCMI Checklist

CDRL A025: Verification and Validation Report (V&V Report)

5.2.2 Technical Publications and Training Materials

The Contractor shall deliver initial classroom curriculum and training materials. To accomplish this subtask, the Contractor shall provide the Government with updates to the System Administrator Manual (SAM) and Software User Manual (SUM) documenting the administrative, configuration, and user instruction for the JWARN software delivered by the Contractor. The Contractor shall provide the following deliverables:

CDRL A016: System Administrator Manual (SAM)

CDRL A017: Software User Manual (SUM)

6. Performance Requirements for O&M

6.1 Program Management – Sustainment Support (O&M)

The Contractor shall manage sustainment support efforts to ensure life cycle support for all fielded JWARN systems. The Contractor shall provide updates to the integrated master schedule as required and provide sustainment status within routine reporting, as required by the Monthly Status Report and Quarterly Status Report CDRLs.

6.1.1 Routine Contractor Reporting

A) Monthly Status Report

On a monthly basis, the Contractor shall deliver a Monthly Status Report (MSR) that briefly discusses upcoming meetings, deliveries, travel, activities accomplished, plan for the next month, new issues, and current issues. The Contractor should highlight those items that are new additions over the previous month's MSR. The Contractor shall provide the following deliverable:

CDRL A001: Monthly Status Report (MSR)

B) Integrated Program Management Report

On a monthly basis, the Contractor shall provide an abbreviated Integrated Program Management Report (IPMR) to: integrate cost and schedule performance data with technical performance measures; identify the magnitude and impact of actual and potential problem areas causing significant cost and schedule variances; provide valid, timely program status information and risks to the Program Office; and describe the planned events and milestones, exit criteria, and activities, which shall directly relate to specific accomplishments. The Contractor shall provide Formats 1, 5, 6, and 7 of the following deliverable:

CDRL A007: Integrated Program Management Report (IPMR)

C) Software Resources Data Report

The Contractor shall provide Software Resources Data Reporting (SRDR) to describe the software product, developer, and actual as-developed software product size, development schedule, peak staff, and direct labor hours incurred. SRDR consists of an Initial Developer Report and Final Developer Reports, and shall be delivered by the Contractor in accordance with SRDR CDRL. The Contractor shall provide the following deliverable:

CDRL A008: Software Resources Data Reporting (SRDR)

6.2 Configuration Management (O&M)

The Contractor shall maintain a configuration management strategy for Joint and Service specific updates to the fielded JWARN system that is consistent with the JPM IS Standard Operating Procedures. The Contractor shall maintain a mechanism for recording, tracking, and reporting the status of Configuration Items (CIs) in order to ensure a stability and predictability as updates are developed, tested, and delivered to the government.

6.3 Fielded System Maintenance Support (O&M)

The Contractor shall provide the software maintenance support of the JWARN software. Software maintenance shall be performed on the most recent product baseline established by and approved by the Government. Additionally, the Contractor shall:

- 1) Review and provide input, or otherwise develop, Change Requests
- 2) Review and provide input to system configuration
- 3) Review and provide input to software load procedures
- 4) Review and provide input to production and installation drawings and documentation
- 5) Review and provide input to System problem resolution
- 6) Review and provide input to pre-installation check out procedure
- 7) Provide input to version configuration required for proper system operation, production testing and configuration management

6.3.1 Software Delivery

The Contractor shall provide software deliveries in accordance to subsequent Government-provided Technical Instructions (TIs). In delivering the software, the Contractor shall adhere to the JPM IS Software Deliveries Process, SOP 31 (24 March 2010). Based on the Government's subsequent TI to the Contractor, the Contractor shall make a Formal In-Cycle Delivery or a Formal Out-of-Cycle Delivery.

6.3.1.1 Formal In-Cycle Deliveries

Upon Government TI, the Contractor shall make Formal In-Cycle Deliveries of maintenance builds to include delivery of Software Items and Technical Documentation described below. Formal deliveries shall include all components of the software, even if no changes have been made to specific components. The Contractor shall ensure that all software and documentation are delivered electronically if possible. If problems arise which prevent electronic delivery (e.g. network outages), or if the size of the software file(s) is too large thereby preventing a successful download, then deliveries should be made via a DVD(s). As part of a Formal In-Cycle Delivery, the Contractor shall create and update the following software and technical documentation:

CDRL A010: Software Product Specification (SPS) (Software Code Deliverables)

CDRL A018: Software Test Description (STD)

CDRL A020: Software Test Report (STR)

Additionally, the Contractor shall provide updates to the following JWARN technical documentation when required to maintain the accuracy of the document (i.e., where the delivered software update has a substantive impact on the technical meaning of the existing document, thereby requiring document revisions to maintain the document's technical clarity and relevancy):

CDRL A011: Software Requirements Specification (SRS)

CDRL A012: Software Design Description (SDD)

CDRL A013: Software Version Description (SVD)

CDRL A014: Interface Design Document (IDD)

CDRL A015: Software Programmer's Guide (SPG)

CDRL A016: System Administrator Manual (SAM)

CDRL A017: Software User Manual (SUM)

CDRL A022: Engineering Notebook (EN)

CDRL A024: CCMI Checklist

CDRL A025: Verification and Validation Report (V&V Report)

6.3.1.2 Formal Out-Cycle Deliveries

In support of Joint and Service specific needs and upon Government TI, the Contractor shall provide a software patch to fix a designated high priority 1 and 2 PCR(s) and technical documentation. Typically, a patch will include only those files that have been changed that represent an upgrade to existing capability and can be installed over the top of an existing program, but this will depend on the nature of the patch and the detail instructions contained within subsequent Government-issued TIs.

As part of a Formal Out-Cycle Delivery, the Contractor shall create and update the following software and technical documentation:

CDRL A010: Software Product Specification (SPS) (Software Code Deliverables)

CDRL A018: Software Test Description (STD)

CDRL A020: Software Test Report (STR)

Additionally, the Contractor shall provide updates to the following JWARN technical documentation when required to maintain the accuracy of the document (i.e., where the delivered software update has a substantive impact on the technical meaning of the existing document, thereby requiring document revisions to maintain the document's technical clarity and relevancy):

CDRL A013: Software Version Description (SVD)

CDRL A022: Engineering Notebook (EN)

CDRL A024: CCMI Checklist

CDRL A025: Verification and Validation Report (V&V Report)

6.3.2 Help Desk Support

The Contractor shall provide technical Help Desk support to the Government only for Tier 3 problem tickets. Tier 3 support shall be available during normal business hours of 8 am – 4 pm Pacific Time and within 1-hour call back response during all other periods. The Contractor shall provide input to the Government-designated tracking system(s) for any actions taken. The Contractor shall record and document all assistance provided using Government approved tools and processes. While resolving a problem, the Contractor shall provide daily status updates to the Help Desk Manager. Upon problem resolution, the Contractor shall provide a final report to the Help Desk Manager within five (5) days of an assistance event.

6.3.3 Technical Publications and Training Materials

The Contractor shall provide support to maintain classroom curriculum and training materials to accommodate specific software changes made to reflect Joint and Service maintenance updates. To accomplish this subtask, the Contractor shall provide the Government with updates to the System Administrator Manual (SAM) and Software User Manual (SUM) documenting the administrative, configuration, and user instruction for the JWARN software delivered by the Contractor. The Contractor shall provide updates to the following deliverables:

CDRL A016: System Administrator Manual (SAM)

CDRL A017: Software User Manual (SUM)

6.3.4 Maintain IA Baseline Integrity

The Contractor shall ensure that any upgrades or addition of software developed to support Joint and Service specific requirements under this PWS does not compromise the security posture of the JWARN software. Any Category 1 and Category 2 findings shall be considered a compromise of the security posture of the JWARN software. Category definitions shall be governed by DoDI 8510.01, DoD Information Assurance Certification and Accreditation Process (DIACAP).

6.3.5 IA Implementation Plan

The Contractor shall implement IA strategies and a validation plan consistent with JWARN's DIACAP Implementation Plan (DIP) in order to support integration of Joint and Service specific upgrades or additions to the JWARN baseline software.

6.3.6 IA Control Testing and Validation

After upgrades or addition of software developed to support Joint and Service specific requirements under this PWS, the Contractor shall demonstrate compliance with the applicable IA controls through performance of a Contractor IA Self Assessment. The Contractor shall evaluate each software end-item against the applicable Security Technical Implementation Guides (STIGs) or checklists as provided in the DIP. Additionally, for STIGs or checklists that are supported by automated test tools, the Contractor shall deliver the test reports generated by the test tools as part of any software delivery:

CDRL A021: Information Assurance Test Tool Reports (IATTRs)

6.3.7 Follow-on Test and Evaluation Support

The Contractor shall support the Government with Follow-on Test & Evaluation (FOT&E) resulting from Joint and Service updates to the existing JWARN baseline. FOT&E support will include Contractor delivery of technical SME support, resolution of STR deficiencies, and onsite FOT&E support at a Government system site location as directed by the Government COR to ensure operability of the deliveries made under this order.

7. Performance Requirements for Foreign Military Sales - Reserved.

8. Deliverables and Additional Contractor Requirements

8.1 Contractor Employee Identification

For all services provided by the Contractor under this PWS and associated contract, the Contractor's employees shall identify themselves as contractor personnel by introducing themselves or being introduced as contractor personnel and displaying and wearing distinguishing badges or other visible identification for meetings with Government personnel and when performing on Government site. Additionally, the Contractor's personnel shall appropriately identify themselves as contractor employees in telephone conversations, in email, and in formal and informal written correspondence.

8.2 Common Access Cards (CACs)

The Government will provide Common Access Cards (CACs) for the Contractor's key personnel aligned to this contract. The Contractor Program Manager (PM) or Facility Security Officer (FSO) is responsible for notifying the Government COR and the Trusted Agent (TA) when an employee who has been issued a CAC leaves the Company or transfers to another Program/Project. In the case of an employee who no longer works for the Company, the Company must collect the CAC and turn it over to the TA within 2 working days of the employee's departure. In the case of an employee still retained by the company transferring to another Program/Project within SPAWAR, the company will notify the COR and the TA within 2 working days, so the TA can transfer the TA responsibilities to the new TA vice revoking and issuing a new CAC.

8.3 Labor Hour Reporting

The contractor shall report all contractor labor hours (including subcontractor labor hours) required for performance of services provided under this contract for SPAWAR via a secure data collection site. The contractor is required to completely fill in all required data fields using the following web address <https://doncmra.nmci.navy.mil>.

Reporting inputs must be for the labor executed during the period of performance during each Government fiscal year, which runs October 1 through September 30. While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year. Contractors may direct questions to the help desk, linked at <https://doncmra.nmci.navy.mil>.

8.4 Deliverable Products

The Contractor shall provide deliverables in accordance with the CDRL requirements of this contract. The Contractor shall provide soft copy distribution of data items as specified in the contract CDRLs (DD Form 1423). The deliverables outlined in this PWS are detailed in the accompanying CDRLs, and listed below:

CDRL#	Title	Acronym	Data Rights	PWS Section(s)
A001	Monthly Status Report	MSR	N/A	4.1.5, 5.1.1, 6.1.1
A002	Briefing Materials		N/A	4.1.2
A003	Contract Work Breakdown Structure	CWBS	N/A	4.1.3
A004	Systems Engineering Management Plan	SEMP	UR	4.1.4
A005	Software Development Plan	SDP	UR	4.1.4
A006	Meeting Minutes		N/A	4.1.2
A007	Integrated Program Management Report	IPMR	N/A	4.1.5, 5.1.1, 6.1.1
A008	Software Resources Data Reporting	SRDR	N/A	4.1.5, 5.1.1, 6.1.1
A009	Agile Development Metrics Report	ADMR	UR	4.1.4
A010	Software Product Specification (Software Code Deliverables)	SPS	UR	4.2.2, 4.7.3.1, 4.7.3.2, 5.2.1.1, 5.2.1.2, 6.3.1.1, 6.3.1.2, 8.3.1
A011	Software Requirements Specification	SRS	UR	4.2.2, 4.7.3.1, 5.2.1.1, 6.3.1.1
A012	Software Design Description	SDD	UR	4.2.2, 4.7.3.1, 5.2.1.1, 6.3.1.1
A013	Software Version Description	SVD	UR	4.2.2, 4.7.3.1, 4.7.3.2, 5.2.1.1, 5.2.1.2, 6.3.1.2
A014	Interface Design Document	IDD	UR	4.2.2, 4.7.3.1, 5.2.1.1, 6.3.1.1
A015	Software Programmer's Guide	SPG	UR	4.2.2, 4.7.3.1, 5.2.1.1,

				6.3.1.1
A016	System Administrator Manual	SAM	UR	4.2.2, 4.7.3.1, 4.7.4, 5.2.1.1, 5.2.2, 6.3.1.1, 6.3.3
A017	Software User Manual	SUM	UR	4.2.2, 4.7.3.1, 4.7.4, 5.2.1.1, 5.2.2, 6.3.1.1, 6.3.3
A018	Software Test Description	STD	UR	4.2.2, 4.7.3.1, 4.7.3.2, 5.2.1.1, 5.2.1.2
A019	Software Test Plan	STP	UR	4.1.4
A020	Software Test Report	STR	UR	4.2.2, 4.7.3.1, 4.7.3.2, 5.2.1.1, 5.2.1.2, 6.3.1.1, 6.3.1.2
A021	Information Assurance A Test Tool Reports	IATTR	UR	4.4.3, 6.3.6
A022	Engineering Notebook	EN	UR	4.7.3.1, 4.7.3.2, 5.2.1.1, 5.2.1.2, 6.3.1.1, 6.3.1.2
A023	Trip Reports		N/A	10
A024	CCMI Checklist		UR	4.7.3.1, 4.7.3.2, 5.2.1.1, 5.2.1.2, 6.3.1.1, 6.3.1.2
A025	Verification and Validation Report	V&V Report	UR	4.7.3.1, 4.7.3.2, 5.2.1.1, 5.2.1.2, 6.3.1.1, 6.3.1.2

Unless otherwise directed, all deliverables under this PWS shall be delivered to the following address:

Joint Project Manager Information Systems Office (JPM IS)
 4301 Pacific Highway, Building OT-1
 San Diego, CA 92110-3127
 Attn: JWARN Contracting Officer Representative

9. References and GFI

9.1 Government Furnished Information

Upon request, the Government will provide the following items as GFI for the completion of this contract:

- 1) Existing JWARN software source, object, and executables and all applicable and appropriate documentation.
- 2) JWARN Increment 1 VV&A package
- 3) JWARN Development phase Prototype Technical Data Package (TDP)
- 4) JWARN Information Assurance (IA) Strategy
- 5) CCMI Components and Prototypes
- 6) JWARN Increment 1 Capability Production Document (CPD)
- 7) The JWARN IMAR & additional supplemental reports
- 8) Current JWARN executables and applicable documentation

- 9) JWARN Security Classification Guide (or applicable security classification guidance)
- 10) GCCS-M/J/A/AF/K, JTCW, BCCS, CJMTK compliance materials and available documentation
- 11) Verification test case referents to maintain the V&V chain, as well as the Plume Comparator

9.2 Other Applicable References

DOCUMENT TITLE	Date
JPM IS Program Change Report (PCR) Change Control Process, SOP 10	14-Sep-2009
JPM IS Software Deliveries Process, SOP 31	24-March-2010
JPM IS Configuration Control Board (CCB) Operations Process, SOP 12	14-Sep-2009
JPM IS Operational Program Deliveries (OPD) Process, SOP 14	04-April-2006
JWARN Test and Evaluation Master Plan	19-Mar-2010
MIL-STD 40051B Preparation of Digital Technical Information for Interactive Electronic Technical Manuals (IETM's)	31-Jul-1996
DODAF DOD Architectural Framework v 2.02	1-Aug-2010
DoD Directive 4630.5 Interoperability and Supportability of Information Technology (IT) and National Security Systems (NSS)	5-May-04
DoD Directive 5000.1 The Defense Acquisition System	24-Nov-03
DoD Instruction 5000.2 Operation of the Defense Acquisition System	12-May-03
DoD Instruction 5200.40 DoD Information Security Certification and Accreditation Process (DITSCAP)	30-Dec-1997
DoD Net-Centric Data Strategy	9-May-03
DoD Directive 8100.2 Use of Commercial Wireless Devices, Services, and Technologies in the Department of Defense (DoD) Global Information Grid	14-Apr-04
DoD Directive 8500.1 Information Assurance (IA)	24-Oct-02
DoD Directive 8000.1 "Management of DoD Information Resources and Information Technology"	27-Feb-02
DoD Instruction 8500.2 Information Assurance Implementation	6-Feb-03
CJCSI 3170.01E Joint Capabilities Integration And Development System	11-May-05
CJCSM 3170.01B Operation of the Joint Capabilities Integration and Development System	11-May-05
CJCSI 8510.01A Joint Modeling and Simulation Management	26-Jan-04
MOSA A Modular Open Systems Approach to Acquisition, Version 2.0	Sep-04
Net-Centric Enterprise Solutions for Interoperability v. 3.2, http://nesipublic.spawar.navy.mil	26-Oct-2010
CBRN COI Naming Style Guide	11-Apr-05
Net-Centric Attributes List Office of the Assistant Secretary of Defense for Networks and Information Integration/ DOD CIO	Jun-04
DoD 8320.02-G Guidance for Implementing Net-Centric Data Sharing	12-Apr-06
JPEO-CBD Guidelines for M&S and VV&A: JPEO-CBD Guidelines for Modeling and Simulation (M&S) Verification, Validation, and Accreditation (VV&A)	2-May-05

10. Travel

The Contractor shall travel to Government facilities in San Diego, CA as required for the Contractor's performance under this PWS. For all required travel outside the San Diego area, the Contractor shall deliver Trip Reports in accordance with CDRL identified below.

The Government estimates ten required trips to the mid-Atlantic region (e.g., Washington D.C., Edgewood, MD) over the full period of performance of the contract (i.e., estimated 2 trips per contract year). Each trip is estimated to require one Contractor personnel and last 5 days in duration.

The Government estimates three required one-week trips to the Asia region (e.g. Republic of Korea) per year (i.e. fifteen over the full period of performance). Each trip is estimate to require two Contractor personnel and last 5 days in duration.

The Contractor shall provide the following deliverable:

CDRL A023: Contractor Trip Reports (CTRs)

11. Navy Marine Corps Intranet (NMCI)

The nature of this contract does not require the contractor to procure NMCI seats for personnel working at the contractor site.

12. Place of Performance

The places of performance for this contract are the following:

- 1) Contractor Facilities
- 2) Travel, as required by the section above

13. Period of Performance

The period of performance for this contract consists of one base year, two option years, and two award terms of one year each.

14. Performance Standards

The contract Quality Assurance Surveillance Plan (QASP) will be used to monitor performance. Performance standards (unless otherwise specified):

- Performance – Deliverables fully coordinated among stakeholders; efforts enhance JWARN development and integration objectives.
- Timeliness – Meets required deadlines or schedules assigned by the Government Requestor; documentation submitted to the Government Requestor in sufficient time for review and approval.
- Quality – Deliverables based on properly coordinated efforts; deliverables produced in the Government approved format; technically and factually correct; accurate, complete

and free of grammatical, typographical and spelling errors; satisfies intended purpose.

15. Security

Most requirements of this PWS will be met at or below the SECRET level; however, some duties require access to SECRET, TOP SECRET and Sensitive Compartmented Information (SCI) at Government and other designated Contractor facilities. The Contractor will also be required to attend meetings classified at the SECRET, TOP SECRET and SCI level. TS/SCI access may be required to enter command centers (e.g., STRATCOM), to gather user requirements, troubleshooting JWARN implementation on Command and Control (C2) Systems and other specialized restricted networks. TS/SCI access may also include exposure to sensitive emerging threat information. Chemical, biological, radiological, and nuclear weapons information may be discussed and implemented in classified components of the JWARN software. Four (4) personnel will require a TOP SECRET clearance with eligibility to access SCI, documentation, classified message traffic, attend meetings, and access to classified laboratories and the SCI Facility (SCIF) as required. The Contractor may be required to access SIPRNet at Government locations where work is being performed.

If foreign travel is required, all outgoing Country/Theater clearance message requests shall be submitted to the SSC Pacific foreign travel team, OTC2, Room 1656 for action. A Request for Foreign Travel form shall be submitted for each traveler, in advance of the travel to initiate the release of a clearance message at least 35 days in advance of departure. Each Traveler must also submit a Personal Protection Plan and have a Level 1 Antiterrorism/Force Protection briefing within one year of departure and a country specific briefing within 90 days of departure.

The SSC Pacific NATO Control Officer/Alternate has reviewed the requirement supporting this contractual obligation.

All work is to be performed in accordance with DoD and Navy Operations Security (OPSEC) requirements and in accordance with the OPSEC attachment to the DD254.