

SECTION C Descriptions and Specifications

PERFORMANCE WORK STATEMENT (PWS)
FOR
SCIENTIFIC, ENGINEERING, TECHNICAL AND ADMINISTRATIVE SUPPORT
TO THE
JOINT INTEROPERABILITY TEST COMMAND (JITC)

SECTION C-1

C.1.1 GENERAL.

The JITC, an element of the Defense Information Systems Agency (DISA) within the Department of Defense, is responsible for planning, conducting, evaluating and reporting results of testing and related systems engineering aspects of command, control, communications, computers and intelligence (C4I) systems and automated information systems (AIS) with emphasis on their application to joint and/or combined operations. The JITC develops, operates and maintains facilities at Fort Huachuca, Arizona and Indian Head, Maryland in support of testing and engineering C4I and AIS systems within Department of Defense (DoD), other Federal Agencies, and private industry. National Security Systems/Information Technology Systems (NSS/ITS), is synonymous with Command, Control, Communications, Computers and Intelligence (C4I) and Automated Information Systems (AIS).

C.1.2 SCOPE.

a. This performance work statement defines the requirements to provide the JITC with administrative, testing and engineering support required to perform and meet its missions and functions. The Contractor is required to perform a wide range of non-personal services to encompass scientific, engineering, logistic, administrative, acquisition, and ancillary support of the JITC mission. This includes all support aspects during the planning, conducting, evaluation and reporting of all C4I and testing; the design, development, engineering and acquisition of selected items of equipment, instrumentation, and systems; and the operation and maintenance of the facilities, test tools and labs, and administrative support cells. Inherent in this performance is the requirement for familiarity and knowledge of the technical and operational characteristics of selected C4I and AIS tactical and strategic and other equipment/systems, and joint and combined architectures and standards used by DoD.

b. From time to time the Contractor may be required to maintain, repair, and provide alterations to JITC's facilities. These requirements shall be coordinated with the Contracting Officer's Representative to obtain approval from the Garrison Directorate of Installation Support (DIS) representative prior to proceeding with the requirement.

C.1.3 PERSONNEL.

a. The Contractor shall provide fully qualified and trained personnel to insure acceptable performance of all tasks assigned to support accomplishment of the missions and functions listed in section C-5. Personnel qualifications are listed in Appendix A to Section C. The following stipulations will apply:

b. The Contractor shall insure that sufficient personnel have appropriate security clearances to support the tasks they work. The DD Form 254 in Section J, states the security of tasks are up to the TOP SECRET level with access to Sensitive Compartmented Information (TS/SCI). The Contractor work force will be required to support TS/SCI taskings with personnel that have proper security clearances at both Ft Huachuca and Indian Head.

c. Contractor personnel shall possess and maintain the training required to meet the job qualifications for which they were hired and to allow them to perform the tasks they are assigned. On a case by case basis, the Government may provide training to Contractor employees to support areas of leading edge emerging technologies that are critical to the success of JITC's mission performance.

d. Contractors deployed overseas will be used as technical experts in one of the following capacities:

(1) Military command and control (C2) and defense communications system engineers specifically engaged with the initial testing, repairing, fielding, or training of unique and specialized U.S. military C2 and/or National Security Systems (NSS) programs.

(2) Military C2 and defense communications system technicians responsible for complicated repairs, complicated re-engineering of equipment and components, or complex trouble shooting of unique and specialized U.S. military C2 and/or National Security Systems (NSS) programs.

C.1.4 QUALITY CONTROL

The contractor shall develop, implement and maintain a quality control program that is in compliance with the intent of ISO 9000 documents. The program shall include inspection, validation, evaluation, corrective action and procedures necessary to effect quality control of all performance and products under the contract. The program shall allow inspection and evaluation by the Government. The system shall be applicable to all subcontractors team members (See Section E, Inspection Clauses.).

C.1.5 QUALITY ASSURANCE

The Contracting Officer or designee will evaluate Contractor performance and may return any unacceptable product to the Contractor for correction. The Government will record instances of unsatisfactory Contractor performance and may request meetings with the

Contractor managers to identify deficiencies and request resolution (See Section E, Inspection Clauses.).

C.1.6 SAFETY

The Contractor shall comply with industry and Occupational Safety and Health Activity (OSHA) standards in performance of the contract. When required, the Contractor will provide items such as work boots, safety glasses, etc.

C.1.7 PLACE OF DUTY

The primary places of duty are Ft. Huachuca, AZ, and Indian Head, MD. Contract work years are currently distributed among the locations at approximately 70% Ft. Huachuca (on-site), 25% Indian Head (on-site and off-site) and 5% "other locations" (such as Colorado, Georgia, and Texas). However, it is anticipated that the distribution will change after contract award (60% Ft Huachuca and 40% Indian Head). Therefore, pricing evaluation for this solicitation will be based upon an estimated workforce of 450 work years distributed at 60% Ft. Huachuca and 40% Indian Head, with approximately 80% on-site and 20% off-site at each location. The "other locations," i.e., any location other than Ft. Huachuca and Indian Head, will be priced as Indian Head off-site.

Additionally, some travel to both CONUS and OCONUS locations will be required to support exercises, real-world operations (including support in national emergency areas, war zones, peacekeeping zones, etc), and other activities requiring JITC support.

SECTION C-2: DEFINITIONS

C.2.1 Combined - Description of any military operation, organization, or system involving elements of two or more allied nations.

C.2.2 Conformance - Adherence of systems to applicable military, Government, and commercial standards and specifications.

C.2.3 Government Point of Contact (POC) - An authorized Government representative responsible for defining the specific products and services required in a given Contractor task.

C.2.4 Interoperability - The ability of systems to provide services to, and accept services from, other systems and to use the services exchanged to enable them to operate effectively together.

C.2.5 Joint - Description of any military operation, organization, or system involving elements of two or more armed services or agencies.

C.2.6 Task - A specific work assignment developed by a JITC Government POC and issued

through the JITC Contracting Officer's Representative (COR) which delineates the services and products required of the Contractor. Task and task orders are synonymous within the meaning of this contract.

C.2.7 Task Execution Plan (TEP) - A plan developed by the Contractor for the Government POC delineating the Contractor's approach (including technical and managerial aspects) and required resources (including time, money, personnel, equipment, etc) for providing the products and services requested in a specific task.

C.2.8 Form 1 – The task order submitted to the Contractor from JITC describing the Government's requirement in writing.

C.2.9 C4I – The National Security Systems & Information Technology Systems (NSS/ITS) is synonymous with C4I and AIS will be used interchangeably with C4I and AIS throughout the contract.

SECTION C-3: GOVERNMENT FURNISHED ITEMS AND SERVICES

C.3.1 GENERAL

JITC will provide items, furniture, and services required to perform normal day-to-day business operations for all Contractor support personnel at Fort Huachuca and Indian Head (both off-site and on-site). These items consist of the following:

- a. Office space to include desks, chairs, personal computers, printers, fax machines, copiers, and routine furniture
- b. Routine office supplies such as pens, pencils, paper, etc.
- c. Telephone service (class A) for official use only
- d. Access to office automation tools, such as software (e.g., word processing, graphics, spreadsheets, databases, electronic mail, etc.), internet access, e-mail, etc.
- e. Access to JITC facilities necessary for performance, such as libraries, test sites, test equipment, etc.
- f. Area security and storage for classified material, as required
- g. Trash pickup and janitorial services
- h. It is the Contractor's responsibility to ensure that Contractor employees do not misuse Government furnished equipment and adhere to JITC's Government employee policy regarding internet, e-mail and computer usage of Government PCs, (e.g., surfing the internet inappropriately, jokes, private use, etc.).

C.3.2 TASK-SPECIFIC

The Contractor may require items in addition to those listed above in order to satisfactorily meet the requirements of specific tasks. In such cases, the Contractor shall state these additional needs in their TEP (see section H.5 TEP Clause). In the event the Government is unable to provide the items, the Government will authorize the Contractor to acquire suitable equipment on a cost reimbursable basis.

C.3.3 GOVERNMENT PROPERTY/EQUIPMENT

The Government property/equipment listed in Appendix B to section C is available to the Contractor via a hand receipt.

SECTION C-4: CONTRACTOR FURNISHED ITEMS AND SERVICES

C.4.1 ITEMS

The JITC will provide to the Contractor the necessary tools, and materials for Contractor performance. However, the Contractor may be required to acquire/lease items necessary for task specific performance when the JITC is unable to adequately provide them. These items may be required on-site or off-site, on a permanent or temporary basis, and may be Continental US and Outside Continental US (CONUS/OCONUS). In all such cases, the Contractor shall obtain formal Government approval before incurring costs. The Contractor will be reimbursed for authorized purchases and these purchases will become Government property upon delivery.

C.4.2 SERVICES

The Contractor shall furnish all services necessary to support the mission and functions delineated in Section C-5 of this document. Additional guidelines describing related policies and procedures are included for information purposes in the documents shown on the attached Applicable Documents List, Appendix C.

C.4.3 TRAVEL

The Contractor may be required to travel CONUS/OCONUS in performance of the contract. The JITC will specify requirements as necessary to support specific tasks. Further travel guidance can be found in Section H.

SECTION C-5: TASKS.

C.5.1 GENERAL:

Contractor tasks shall consist of support in the following mission and functions of the JITC:

C.5-2. MISSION:

Plans, conducts, evaluates, and reports the results of test and evaluation for DoD C4I and AIS programs/systems throughout the entire system life cycle. Provides testing and engineering input into every phase of information systems engineering process. These testing and engineering missions include: DoD and non-DoD information systems; protocols; information exchange standards; certification testing of command and control systems software; standards conformance and validation testing; operational test and evaluation; developmental test and evaluation; proof-of-concept and engineering prototype testing; and, general systems engineering and integration support for C4I and AIS systems.

C.5-3 FUNCTIONS:

(1) Perform test, assessment, evaluation, and interoperability certification of C4I (NSS), Combat Support (CS), and other AIS (ITS) systems in support of the DoD Joint Vision 2020 information superiority goals.

(2) Conduct standards conformance test and evaluation (T&E) of C4I and AIS systems (NSS/ITS systems). Test, evaluate, and certify C4I and AIS systems (NSS/ITS Systems) conformance to standards prior to the start of operational testing for programs following traditional acquisition (DoD 5000 Series guidance) milestones. For non-traditional acquisitions (involve procedures not necessarily specifically outlined in DoD 5000 Series guidance), certifies conformance as the system components are developed and before systems are fielded.

(3) Perform T&E of existing and emerging standards to validate their ability to support interoperability of C4I and AIS (NSS/ITS) systems.

(4) Conduct interoperability testing, evaluation, and certification of non-traditional acquisitions, such as the Command and Control Initiatives Programs (C2IP) and Advanced Concepts Test Demonstration (ACTD).

(5) Develop evaluation plans, monitor testing performed by Service components (other DoD agencies), and publish evaluation reports assessing the interoperability of Air and Missile Defense Systems (A&MDS).

(6) Conduct standards conformance T&E of A&MDS (e.g., Tactical Digital Information Link (TADIL), US Message Text Format (USMTF), Variable Message Format (VMF), Tactical Information Broadcast Services (TIBS) TRAP Data Dissemination System (TDDS), etc. Test, evaluate, and certify A&MDS conformance to standards prior to the start of operational testing.

(7) Support C4I and AIS (NSS/ITS) systems acquisitions, modifications, and migrations through full life-cycle T&E support including identification of interoperability requirements, certification of standards conformance/interoperability, and validation of approved/established standards.

(8) Plan, conduct, analyzes, and evaluate test programs; design test network configurations; prepare test reports, assessments and evaluations; and provide acquisition recommendations to system proponents.

(9) Assist in the support to the CINCs/Services/Agencies (C/S/A), NATO, allies and other Government agencies in the area of defining, standardizing, and testing of interoperability interfaces.

(10) Establish conformance test programs, validate standards, work with vendor and Government organizations (e.g., Joint Military Standards Working Group and Center for Standards) in standards development, and produces certified product lists, as required.

(11) Assist with specific programs such as Electronic Key Management System (EKMS), Common Data Link (CDL)/Tactical Common Data Line (TCDL), and System Capable of Planned Expansion (SCOPE) Command systems.

(12) Conduct DoD Intelligence Information Systems (DoDIIS) interoperability certification testing in accordance with approved/proposed architectures, standards, and interfaces.

(13) Provide demonstration plans, guidebooks, and data collection plans in support of Joint Warrior Interoperability Demonstration (JWID); collect data and perform preliminary analyses; provide network support during JWID execution and generate final JWID reports.

(14) Determine that C4I (NSS) systems acquired, assigned, or managed by DISA are operationally effective and operationally suitable. These systems must meet the mission needs and operational performance requirements of the warfighter and other Government users.

(15) Assist in the preparation of critical operational issues. Develop, define, and publish measures of effectiveness, measures of performance, and test scenarios. Direct and approve development methodology for data collection, data reduction, and data analysis in support of OT&E.

(16) Support includes planning, directing, coordinating, and controlling operational tests for numerous DoD agencies, activities, and CINCs, such as the Defense Logistics Agency (DLA), Defense Finance and Accounting Service (DFAS), Defense Commissary Agency (DeCA) and Special Operations Command (SOCOM).

(17) Assist with the development of user requirements and testing criteria by directing various test integration working group meetings with system users, Directorate of Operational Test and Evaluation (DOT&E), Joint Staff (JS), and Program Management Office (PMO) staff.

(18) Provide test and evaluation services and training products in support of Navy's legacy, migration and transition systems to support transition from Automatic Digital Network (AUTODIN) to the Defense Message System (DMS).

(19) Provide real-time, near-real-time, on-site resolution of joint and combined C4I (NSS) issues through participation in CINC exercises and contingencies, hot line call responses, and publication of quarterly Lessons Learned Reports. Coordinate with testing divisions to establish and maintain trained deployable teams to support these exercises and contingencies.

(20) Provide automated repository of information and recurring analyses of current state of DoD's interoperability efforts and the resulting impact on the warfighter. Provides quarterly, annual and ad hoc reports and briefs on the state of DoD interoperability.

(21) Provide end-to-end functionality assessments of C4I and AIS systems and networks in the operational environment. Identifies and documents technical, operational, and architectural successes and shortfalls found in the operational environment.

(22) Coordinate command and external efforts to ensure Capstone Requirements Document/Operational Requirements Documents (CRD/ORD) adequately address Interoperability Key Performance Parameters (KPPs) and Information Exchange Requirements (IERs).

(23) Perform all support functions necessary to accomplish the above test and engineering responsibilities. Support functions include:

(a) Provide hardware and software system engineering for all test and test support systems used by JITC in support of the CINC/warfighter during exercises, real world contingencies, and interoperability testing of C4I and AIS (NSS/ITS) systems.

(b) Provide design, development and implementation for all hardware, firmware and software systems for joint interoperability automated test systems such as the Joint Interoperability Modular Evaluation System (JIMES), the Joint Operational Capability Assessment Tool (JOCAT), the Joint Operational Simulation Evaluation Facility (JOSEF), Variable Message Format (VMF), the Theater Air and Missile Defense Interoperability Assessment Capability (TIAC), and the Joint Computer Aided Analysis Tool (JCAAT).

(c) Plan, configure, operate and maintain test networks, equipment, testbeds, facilities and laboratories, to include COMSEC equipment accounting and maintenance. Design, develop, oversight, and perform system engineering for modernization of JITC test systems.

(d) Provide internal support for security, configuration management, marketing, facilities, logistics, supply, reproduction, distribution, libraries, ancillary, and other services.

(e) Develop and manage the JITC stimulation, modeling, and simulation programs in support of interoperability and operational testing of C4I and AIS (NSS/ITS) systems, to include tactical and strategic switch testing.

(f) Review JITC test plans and test reports for quality, accuracy and consistency.