

# Joint Tactical Radio System (JTRS) Network Enterprise Domain (NED)

## Statement Of Work EPLRS Software In-Service Support (SwISS) Technical Support



**19 Oct 09**

*Prepared for*

**Joint Program Executive Office (JPEO) Joint Tactical Radio System (JTRS)**

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## **1. Scope**

### **1.1 Purpose**

The purpose of this Statement of Work is to support the Joint Program Executive Office (JPEO) Joint Tactical Radio System (JTRS) Network Enterprise Domain (NED) by providing Software In-Service Support (SwISS) for the JTRS Enhanced Position Location Reporting System (EPLRS) software. The intent of this Delivery Order is to provide technical support to baseline EPLRS software.

### **1.2 Background**

The JTRS program consists of a series of joint acquisition activities, managed by JPEO JTRS. The objective of JTRS is to develop, produce, integrate, and field a family of interoperable, digital, modular, software defined radios that operate as nodes in a network to ensure wireless communications and networking for mobile and fixed forces. Specifically, JTRS will have the ability to receive, transmit, and relay voice, data, and video. JTRS is being developed in a Joint environment, thus allowing maximum hardware and software commonality and reduced porting efforts across Service platforms. Through implementation of common waveforms, radios, software, and select ancillary component and network management equipment, JTRS will enable enhanced interoperability, reusability, supportability, and software portability, and will result in improved speed to capability, and more effective implementation of incremental capability improvements.

### **1.3 Place Of Performance**

The primary place of performance shall be the Contractor's site. The Contractor also shall perform work at Government sites when necessary and/or directed by the Government. Contractor work at Government sites may include, but shall not be limited to short-term overnight trips as well as temporary or extended performance of work necessary to fulfill the Basic Contract or this delivery order's requirements.

### **1.4 Security**

All work shall be performed in accordance with DoD and Navy Operations Security (OPSEC) requirements in accordance with the DD254. Key personnel shall possess at least a SECRET security clearance. The Contractor's facilities shall be secure to the SECRET level. The nature of this task requires access up to SECRET information. The work performed by the Contractor will include access up to SECRET data, information, and spaces. The Contractor will be required to attend meetings classified up to the SECRET level. The Contractor shall adhere to the security protocols and requirements as defined in the Basic Contract.

## **2. Applicable Documents**

*No deviations or modifications of applicable documents are authorized under this Delivery Order.* The Contractor shall adhere to all applicable documents, specifications, references, standards, guidelines, guides, plans, and processes identified in the Basic Contract.

### **3. SwISS Requirements**

#### **3.1 General**

##### **3.1.1 Overview**

The Contractor shall provide technical support for the baseline JTRS EPLRS software. The Contractor shall include structured software engineering and program management processes in order to successfully execute the requirements of paragraph 3.2 below. The Contractor shall be thoroughly familiar with, and shall be required to participate in the SwISS process as outlined in the Network Enterprise Domain Software In-Service Support (SwISS) Plan.

##### **3.1.2 Acceptance Criteria**

None.

#### **3.2 Specific**

##### **3.2.1 Technical Support**

The Contractor shall provide technical support for problem report/change request investigation and change proposal development, test environment support, porting support, and IV&V support as defined in the Basic Contract.

###### **3.2.1.1 Problem Report/Change Request Investigation and NED Change Proposal Development Support**

The Contractor shall investigate problem reports and change requests. The Contractor shall develop subsequent recommendations for change proposals. Recommendations shall include performance, schedule, and cost, in accordance with the SwISS process as outlined in the Network Enterprise Domain Software In-Service Support (SwISS) Plan.

###### **3.2.1.2 Test Environment Support**

The Contractor shall provide and maintain a test environment as defined in the Basic Contract.

###### **3.2.1.3 Porting Support**

The Contractor shall provide the following porting support as required:

- Assist in the review of documents (WDS, SRS, SDD, API, STP, STD, etc.)
- Support Integrated Product Team meetings/reviews (LWF-IPT, SRRs, PDRs, CDRs, etc.)
- Support test events (dry runs, FQT, etc.)
- Utilize NED test resources to perform independent testing
- Assist in the identification/resolution of problem reports with regards to porting
- Provide liaison support between the Product Lines and NED
- Provide access to relevant documents to assist in porting
- Provide Subject Matter Expert (SME) support as

needed/requested

#### **3.2.1.4 Independent Validation and Verification (IV&V) Support**

The Contractor shall provide technical Subject Matter Experts as required to support Government IV&V for baseline JTRS EPLRS software.

#### **3.2.2 Software Maintenance/Upgrades**

Not applicable under this Delivery Order.

#### **3.2.3 Software Enhancements**

Not applicable under this Delivery Order.

#### **3.2.4 Documentation**

The Contractor shall update and maintain applicable software documentation, in accordance with the terms and conditions of the Basic Contract. The Contractor shall maintain this documentation as a Technical Library containing the latest and relevant version, either hardcopy or electronic, of the applicable specifications, references, standards, guidelines, guides, plans, processes, and considerations referenced in the Basic Contract. The Contractor may be tasked to monitor technology and make recommendations to the Government for additions and deletions to the Technical Library as technology advances and/or matures.

#### **3.2.5 Software Delivery**

Not applicable under this Delivery Order.

#### **3.2.6 Program Management**

##### **3.2.6.1 Contract Funds Status Report (CFSR) (CDRL A001)**

In accordance with paragraph 3.2.8.1 of the basic contract SOW the Contractor shall submit one CFSR (DD Form 1586) under the basic contract that covers all delivery orders. Information from this delivery order will be included in the CFSR submitted under the basic contract. The CFSR report will include funding requirements and time-phased detail at the CLIN level, broken out for each delivery order. The Contractor shall also submit an MS Excel file for delivery to the Joint Tactical Radio System (JTRS) Network Enterprise Domain (NED) as defined in CDRL A001.

##### **3.2.6.2 Management Plan (CDRL A002)**

The contractor shall provide an overall contract Management Plan (CDRL A002) to ensure the work under this contract is managed effectively and efficiently. The Management Plan shall ensure effective management of cost, schedule, and performance. The Management Plan shall include adherence to the SwISS process as outlined in the Network Enterprise Domain Software In-Service Support (SwISS) Plan. The contractor shall ensure that the software technical support,

maintenance/upgrade, and enhancement tasks are IAW DoD and JTRS policies and guidelines. The contractor shall adhere to DoD policies with regard to test management, cost accounting, and quality assurance measures.

### **3.2.6.3 Contract Status Report (CSR) (CDRL A003)**

The Contractor shall provide CSRs for this delivery order. The CSR shall include at a minimum:

- Progress/status reporting against contract deliverables.
- A running history of progress in meeting schedules, including a brief description of activities and accomplishments during each reporting period.
- A Risk Matrix, maintained by the Contractor that identifies design, schedule, technical, resources, and other program element risks. The Risk Matrix shall be updated with each CSR.
- The following software metrics: (1) Software size e.g. Software Lines of Code (SLOC), (2) Cost/Schedule Percent Complete and (3) Software Defects to include separately FQT findings and IA Assessment findings.
- Program staffing (plan vs. actual)

The Contractor shall use the CSR to propose updates and changes, and document slippages to the deliverables schedule. Government acceptance of the CSR does not indicate concurrence with the CSR content or proposed changes to schedule(s).

### **3.2.6.4 Configuration Management**

The Contractor shall implement configuration management processes and maintain an internal CM Plan as defined in the basic contract SOW.

### **3.2.7 SwISS Process**

The Contractor shall be thoroughly familiar with, and shall be required to participate in the SwISS process as outlined in the Network Enterprise Domain Software In-Service Support (SwISS) Plan.

## **4. Travel and Other Direct Costs**

Contractor travel and other direct costs (ODCs) may be incurred in the execution of this Delivery Order. The Contractor shall propose travel and ODCs in accordance with the terms and conditions of the Basic Contract.

## **5. Data Deliverables**

- a. All data delivered and data made available during this contract shall be furnished electronically IAW DD Form 1423-1.

b. Classified data shall be handled and delivered IAW the Department of Defense (DoD) 5220.22-M “National Industrial Security Program – Operating Manual, dated February 2006.

c. All data ordered IAW DD Form 1423-1 shall be submitted with a Letter of Transmittal (LT) or provide Government notification via an E-mail to the Government Contracting Officer. The LT shall indicate the contract number, Contract Line Item Number, Sub-Line Item Number, Data Item Number, Title and Subtitle (when applicable) of the data, SOW paragraph number reference which required the data to be prepared, and the date of transmittal.

d. DD Form 250s Material Receipt and Acceptance shall be submitted with final data deliveries only as specified on the individual data item (see Exhibit B for the Contract Data Requirements List (CDRL) and applicable Data Item Descriptions (DID)).

e. The Contractor shall provide a matrix, which states the delivery method for each CDRL deliverable (i.e. CD-ROM, Webpage)

#### **6. Media and File Format**

The Microsoft (MS) Office 2003 suite of applications (MS Word, MS Excel, MS PowerPoint, and MS Project) is the preferred format for documents, reports, and information furnished under this contract. If the Contractor’s file format is not compatible with the formats specified, then the Contractor shall provide a compatible format that will allow the Government to read and write to the files when necessary. Should MS issue a new MS Office suite that the Government adopts as a new standard; the Government will notify the Contractor in writing of the change. Other formats for the transmittal of contract documentation and methods for electronically signing DD Form 250s Material Receipt and Acceptance shall be as set forth in the contract and as agreed to by the Government and Contractor.