

**PERFORMANCE WORK STATEMENT**  
**HQ USPACOM**  
**Joint Enroute Mission Planning Rehearsal System Ground Station Enhancements**

**1. Background:**

1.1 The United States Pacific Command (USPACOM) Joint Enroute Mission Planning Rehearsal System (JEMPRS) is the Commander (CDR) USPACOM's primary system utilized to access the Next Generation Enterprise Network (NGEN; commonly known as the Navy Marine Corps Intranet or NMCI) enterprise services, secure video teleconferencing (VTC) services, and secure telecommunications services while on official travel. JEMPRS is a deployable, mission critical, command and control capability that also supports the Chief of Naval Operations (CNO), the Vice Chief of Naval Operations (VCNO), and the Commander United States Pacific Fleet (CDR USPACFLT). JEMPRS consists of two major parts, the Ground Station and the Travel Kits that connect to the ground station. The ground station is comprised of a variety of components to include Cisco 2911 Integrated Services Routers (ISRs), Vocality voice multiplexing technologies, and Viasat High Assurance Internet Protocol Encryptor (HAIPE) devices. Although all hardware is current and not end-of-life, current voice multiplexing technologies no longer meet the requirements of the users due to the low quality audio in less than optimal network situations. It has been proven that Voice over Internet Protocol (VoIP) technologies can be integrated into the current hardware and network to provide higher quality and more reliable voice transmissions. Integrated Services for Digital Network (ISDN) capabilities that are integrated in to the JEMPRS ground station have not been utilized for the past five years and should also be removed to simplify the architecture and free up resources on the Wide-Area Network (WAN) concentrator.

**2. Objective and Scope:**

2.1 USPACOM seeks a qualified Contractor to provide professional and technical services to engineer, furnish, integrate, secure, test and make operational VoIP technology within the JEMPRS ground station. The engineered solution must function in such a way that Sectera vIPer telecommunications devices can operate securely in IP mode by directly plugging the telephones in to travel kits already built and configured by HQ USPACOM. This is a proven, tested concept. Parts, licenses, integration and installation are required. The JEMPRS ground station requires configuration verification to ensure the system is functioning as securely as possible and adheres to Defense Information Systems Agency (DISA) security standards as closely as possible without compromising availability or functionality. All cabling within the JEMPRS ground station needs to be organized, dressed, and labelled accordingly. Components that are no longer necessary must be removed. All connections to and through the ground station must be optimized for maximum throughput and operation to include Virtual Private Network (VPN) tunneling capabilities. JEMPRS also requires the option to accelerate and optimize connectivity in high latency environments to include Swift Broadband Background IP, Swift 64 High-Speed Data (HSD), and Boeing Broadband SATCOM networks. The objective of this project is to provide the CDR USPACOM with state of the art technologies that ensure optimal, secure data and voice transfers between the Ground Station and remotely connected Travel Kits.

**3. Performance Requirements:**

- 3.1 Integrate, Install, secure, test, and make operational a Cisco call manager using the appropriate Cisco licenses, expansion modules, and configurations within the JEMPRS ground station WAN concentrator. This capability must be compatible with all JEMPRS travel kits that may connect to the WAN concentrator through VPN tunneling protocols. The capability must be compatible with Sectera vIPer Universal Secure Phones while they are in IP mode and must have the ability to initiate and receive secure/encrypted telephone calls. Secure call voice quality must be to a standard required to support a Combatant Commander's command and control requirements.
- 3.2 Integrate, Install, secure, test, and make operational WAN communications acceleration and bandwidth optimization appliances, such as Riverbed Virtual Steelhead technology, for both SIPRnet and NIPRnet connectivity. Bandwidth optimization technology must be the smallest form factor possible for global travel purposes and must have the ability to fully integrate with current JEMPRS travel kits. Ground station components must be installed in-line with current hardware and connections.

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- 3.3 Ensure the JEMPRS base station operates and is configured as securely as possible without hindering travel communication operations. All aspects of the JEMPRS base station to be locked-down, from a cyber-security perspective, adhering as closely as possible to DISA standards. Deviations from those standards must be identified in writing and approved by the Technical Point of Contact (TPOC).
- 3.4 Optimize all authorized connections to the JEMPRS ground station for maximum data throughput and analyze all connections to the JEMPRS ground station using tools such as Wire Shark to provide evidence of either obstructions caused by packet shaping tools, firewalls, misconfigured firewalls, Maximum Transmission Unit (MTU) sizes, or evidence of fully optimized connectivity and fully optimized VPN connectivity. This effort will focus on the commercial internet connectivity provisioned to the base station for outside non-mil connections. The contractor will also provide consultation in regard to enhancing data throughput and any improvement that may be made to provide the Commander USPACOM and his staff optimal VPN connections from remote locations and in higher latency situations.
- 3.5 Remove the Vocality voice multiplexing hardware from the JEMPRS ground station and remove associated configurations from the JEMPRS ground station WAN concentrator.
- 3.6 Dress all cabling within the JEMPRS ground station, replacing any CAT 5 cabling that is not appropriate or subject to failure. Label all cabling and connections.
- 3.7 Remove all ISDN capability options and configurations from the JEMPRS.
- 3.8 Provide a travel kit that is configured to connect to the JEMPRS ground station in high latency/jitter environments such as airborne Swift Broadband Background IP connections. The kit must contain a SIPR router and a NIPR security appliance. The kit must be as small as possible and constructed to withstand the rigors of worldwide travel and harsh environments. The kit may incorporate caching and IP acceleration technologies that will not impact Navy NGEN Intranet services such as Microsoft Exchange.
- 3.9 Provide written documentation of work performed along with diagrams and configurations of all devices that have been reconfigured to accommodate work specified above.
- 3.10 Period Of Performance: Due to the unique requirement to pre-coordinate all system downtime, the period of performance is flexible. However, it is expected that all hardware installation and configuration will be accomplished within 7 business days. Optimization of all authorized connections to the JEMPRS ground station for maximum data throughput will be accomplished within 25 calendar days. Early completion is encouraged and will be the goal of the Government.
- 3.11 Site Location: Building 700, HQ USPACOM, Camp H. M. Smith, Hawaii, 96861.

3.12 Service Delivery Summary

<b>Performance Objectives</b>	<b>Surveillance Method</b>	<b>Frequency</b>	<b>PWS Paragraphs</b>	<b>Performance Threshold</b>
1. A completely functional and integrated JEMPRS system	Assessment by the TPOC	Upon completion of services	3.1-3.8	95% delivery and compliance

**4. Quality Assurance:**

- 4.1 The Contractor shall establish and maintain a Quality Control Program to ensure that the work performed meets or exceeds contract requirements.

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**5. Government Furnished Property and Services:**

5.1 None.

**6. Contractor Qualifications/Requirements:**

6.1 The Contractor shall be experts and well experienced in the field of executive travel communications capabilities and requirements. Contractor shall be Cisco Partner and able to provide the appropriate Cisco licenses and equipment for the service.

6.2 Personnel performing the tasks must be a Cisco Certified Network Professional (CCNP).

6.3 Security Requirements: At a minimum, SECRET cleared personnel are required. The TPOC will provide escort and other guidance/procedures to facilitate entry into any secured facilities.

**7. Personnel:**

7.1 The Contractor shall furnish sufficient personnel to perform all work specified within this contract to be able to provide support levels as contracted.

7.2 USPACOM Policies on Contractors: Compliance with law - In accordance with Public Law 105270, Section 5 (2)(A), contractors will not perform inherently governmental functions. Section 5(2)(A) of this Public Law defines the term "inherently governmental function" as "a function that is so intimately related to the public interest as to require performance by Federal Government employees." Per Section 5(2)(8), inherently governmental functions include management of Government programs requiring value judgments, conduct of foreign relations, selection of program priorities, and the direction of intelligence and counter-intelligence operations. Per Section 5(2)(C), inherent governmental functions DO NOT include, (i) gathering information for or providing advice, opinions, recommendations, or ideas to Federal Government officials; or (ii) any function that is primarily ministerial and internal in nature."

7.3 When performing the tasks associated with the contractor's PWS, contractor personnel will make clear to all individuals they deal with that they are contractor employees and not DoD employees. When participating and introducing themselves during official events wherein DoD, non-DoD or foreign officials are present, contractor personnel will identify themselves as employees of the contractor.

7.4 Contractor personnel cannot manage, supervise or task DoD civilian employees or military personnel while performing services under their contract.

7.5 Contractor personnel cannot make any commitment of U.S. Government funds or resources unless specifically authorized.

7.6 Contractor personnel performing services shall comply with all USPACOM and installation rules and regulations applicable to conduct, safety, security, and procedures governing site entry and exit.

7.7 Contractor personnel shall be required to safeguard data files and output products, regardless of format or medium, in accordance with appropriate security measures for classification of data being handled within Headquarters USPACOM.

7.8 Contractor personnel shall also safeguard Privacy Act Information in accordance with existing regulations.

7.9 Contractor personnel shall not establish an employee-employer relationship with USPACOM under their contract.

7.10 Contractor personnel shall not provide personal services to USPACOM under their contract.

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7.11 Contractor personnel shall be required to read their PWS and understand it. In particular, the provisions of paragraph 7.0 within their PWS.

7.12 Contractor personnel must clearly identify themselves as a contractor on their e-mail, signature block, voice mail, business card, and a unique and readily distinguishable identification badge.

**8. Travel:**

8.1 Up to a maximum of two on-site visits may be required and will be authorized in advance by the Government Point-of-Contact (GPOC). The total number of on-site days will not exceed 15 business days. All travel shall be arranged by the Contractor, billed monthly as incurred, and shall be fully in accordance with the DoD Joint Travel Regulations. "Travel shall be in accordance with Federal Acquisition Regulation (FAR) part 31.205-46 and current DOD Joint Travel Regulations (JTR)."

**9. Hours of operation:**

9.1 PACOM's normal hours of operation (7:30 am through 4:30 pm, Monday through Friday).

**10. Technical Point-Of-Contact:**

10.1 Mr. Glen Lukasik, 808-477-7768, glen.lukasik@pacom.mil

**11. Government Point-Of-Contact:**

11.1 Mr. Elijah Lincoln (USAF), 808-477-9029, elijah.lincoln@pacom.mil

**12. Enterprise-Wide Contractor Manpower Reporting Application**

12.1 The contractor shall report ALL contractor labor hours (including subcontractor labor hours) required for performance of services provided under this contract **for HQ USPACOM** via a secure data collection site. Contracted services excluded from reporting are based on Product Services Codes (PSCs). The Excluded PSCs are:

- (1) W, Lease of Equipment;
- (2) X, Lease/Rental of Facilities;
- (3) Y, Construction of Structures and Facilities;
- (4) S, Utilities ONLY;
- (5) V, Freight and Shipping ONLY.

The contractor is required to completely fill in all required data fields using the following web address <https://doncmra.nmci.navy.mil>.

Reporting inputs will be for the labor executed during the period of performance during each Government fiscal year (FY), 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>.