

## **BITI Recap - Sr. Network Engineer**

Intelligent Technology, LLC, a Wood River Federal company, is seeking a senior level BITI Recap networking professional to work on a full-scale networking services project for multiple customers worldwide. The project encompasses design, analysis, testing, implementation and installation, site acceptance testing, and project management for network engineering efforts at all network levels. *This job is contingent upon contract award.*

### **Job Duties:**

- Design, engineer, implement, integrate, configure, and verify secure network solutions for highly complex requirements.
- Develop technical solution recommendations for large-scale network requirements and document findings in a Network Systems Recommendation Report.
- Provide a Survey Execution Plan (CDRL A027) that details how the Contractor will perform a site survey, including any checklists or survey tools (digital means preferred) that will be used.
- Perform incident analysis to determine root causes, identify problems, and propose any necessary fix actions. Deliver results and analysis via the Network Systems Recommendation Report.
- Conduct Physically Surveys.
- Capture and analyze existing network architecture state ('as-is') and compare against post-install network architecture state ('to-be') for the purpose of assessing change in latency, packet loss, and client user experience data. The Contractor shall document and deliver the results of analysis in the Network Systems Recommendation Report.
- Develop detailed, comprehensive TSIP that captures the full range of technical implementation activities from initial tasking to concept development, solution engineering, implementation, and project closeout.
- Develop a detailed LOM / Price Proposal for all work to be accomplished.
- Develop a Wire Run List as part of the TSIP that includes cabling being removed, cabling being re-used, and new cabling. Incorporate all termination point connector types, cable lengths, reference designations for all termination points including port on equipment, patch panel port, intermediated patch panels, etc. The Contractor shall ensure all planned cable paths are reserved, tested, and marked and shall document site-specific reservation procedures, test results, and marking examples in the site survey report.
- Review and ensure that proposed technical solutions (to include utilization, placement, and configuration of network components) are readily integrated into the existing site network environment, executable within the project schedule, and logistically supportable post-install.
- Evaluate customer-proposed technical solutions for feasibility, thoroughness, security, reliability and maintainability, timeliness to implement, and cost effectiveness.
- Provide recommendation on customer-proposed technical solutions, and/or recommend alternate technical solutions.

- In the absence of a customer-provided technical solution, develop/design a technical solution to satisfy customer requirements in a cost-efficient manner to meet the required need date.
- Troubleshoot and resolve network issues that may arise during implementation.
- Perform audit, clean up, and optimization of the existing router, switch, firewall, and web proxy configurations at each location to ensure the security of enterprise networks and transactions.
- Support and execute verification and validation activities of the hardware install as defined in the Test Plan. Once verification and validation activities are complete, the Contractor shall be responsible for immediately completing any corrective actions identified.
- Deliver Test Report documenting the results of successful testing events for SAT activity.
- Conduct and maintain internal change management processes.
- Include documentation for IT Services, hardware, software, and baseline configurations.
- Define and maintain a CM program to provide Item Unique Identification (IUID) control, status accounting, and audit discipline.

**Skill Requirements:**

- IAT Level II
- Professional Level Certification (e.g., CCNP, CCDP, JNCIS, JNCDS, etc.)
  - **OR** Associate Level Certification (e.g., CCNA, JNCIA) with seven (7) years of relevant professional experience
- Secret Security Clearance Required