Job Title: Systems Engineer (Level 3/4)
Job Location: Colorado Springs, Colorado
Security Clearance: SECRET
Clearance Status: Must be Obtainable

Job Summary:

Responsible for a wide range of system engineering related tasks for the Wideband Global SATCOM (WGS) Mitigation and Anti-Jam Enhancement (MAJE) satellite ground system. Duties will include requirements analysis and management, system level and software component workflows and use case analysis and development, CONOPS validation, and system level verification support to ensure the precision, accuracy, and operational reliability of the system.

MAJE is a major component of the Global SATCOM Configuration Control Element (GSCCE) satellite control segment used to provide payload control and monitoring for the fleet of on-orbit WGS spacecraft. MAJE is an upgrade to the existing GSCCE system that will provide the WGS constellation with increased resilience to electronic threats. MAJE is used to assist in electromagnetic interference (EMI) identification, mitigation, and resolution of undesired electromagnetic energy or signals.

Primary Responsibilities:

- Work as an active member of a larger System Engineering Integration Test (SEIT) team in meeting the overall objectives of the project during development, verification, and fielding activities
- Analyze and develop system level use cases and CONOPS
- Design, develop, and debug system workflows using BPEL orchestrations
- Develop implementation methods of system level requirements for software development and verification activities
- Manage requirements using DOORS
- Support system level integration activities
- May require occasional travel

Required Qualifications:

- Ability to obtain an interim U.S. Government SECRET security clearance (requires US Citizenship)
- Experience with Systems Engineering methodologies and processes
- Experience with requirements allocation and traceability
- Ability to isolate and resolve complex problems, identify workarounds, and implement and document corrective actions across multiple systems and components
- Good verbal, written, communication, and interpersonal skills
- Ability to interface with internal and external customers
- Ability to work independently as well as within a team
- Proficiency with MS Office Products (Word, Excel, and PowerPoint)

Preferred Qualifications:

- Current U.S. Government SECRET security clearance (requires US Citizenship)
- Experience with requirements management using DOORS
- Experience developing and using BPEL Orchestrations
- Experience with requirements traceability, system-of-systems integration, and test planning and execution
- Experience with Wideband Global SATCOM systems, products, and interfaces
- Experience with automated test and data-driven development concepts, tools, and languages
- Experience with Virtualization and web service technologies, protocols, and standards
- Experience with the JBoss application server, PostgeSQL databases, JMS/SOAP/REST/JSON
- Experience working in an agile development environment using Jira

Educational Requirements:

- *Engineer Level 3*: Bachelor's degree and 7 or more years relevant experience, Master's degree and 4 or more years relevant experience, or 10 or more years relevant military satellite communications experience
- *Engineer Level 4*: Bachelor's degree and 12 or more years of experience, Master's with 9 or more years of experience

(Degrees must be from an accredited course of study in engineering, computer science, mathematics, or physics)