

SYSTEMS ENGINEER – REQUIREMENTS/VERIFICATION

QTEC Aerospace is seeking Systems Engineers to join our team of professionals in Huntsville, AL. Qualified applicants will become part of a team of professionals representing both industry and government. The successful candidate will be detail oriented, have a proven track record and a positive work ethic.

Job Summary

The successful candidates will function as integral members of a multi-contractor team providing requirements development and verification support to Missile Defense Programs.

Job Duties/Responsibilities

- Provide support for architecture development through model-based systems engineering principles, requirements development, requirements management, as well as interface development and management.
- The individual shall also identify all external and internal interfaces, define all parameters that characterize those interfaces (performing or coordinating analyses as required), develop interface control documents & deliverables, and participate in system architecture & design development to resolve interface issues and ensure interface compliance.

Minimum Education and Experience

- Bachelors of Science in engineering, computer science, mathematics or physics
- Minimum of 5 years of related experience

Required Knowledge, Skills and Abilities

- Candidate should possess the ability to organize and define system level requirements, decompose and allocate requirements to subsystems (performing or coordinating analyses as required), manage the requirements baseline in a relational database (such as DOORS), write clear requirement specifications, and perform detailed bi-directional traceability.
- Experience in architecture & requirements development for network-centric, software intensive DoD systems.
- Understanding of DoDAF, SYSML, UML and Object-Oriented Design implementations.
- Generating system/element level functional, performance, and interface specifications to document and control the achievement of the desired capabilities.
- Management of system and component baselines in a requirements management system
- Strong communication and interpersonal skills

Desired Knowledge, Skills and Abilities

- Missile Defense experience
- 3+ years using model-based approaches and tools with experience in SYSML and DoDAF.
- Experience with DOORS
- Experience with architecture modeling tools (e.g., Rational System Architect, Rational Software Architect, MagicDraw, Cameo Enterprise Architecture)

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- Demonstrated ability to develop DoDAF-compliant UML-based Use Cases, Use Case Narratives, and sequence diagrams that represent system and software behaviors necessary to achieve system capabilities.
- Experience in development of U.S. Army Air and Missile Defense systems (e.g., IBCS, PATRIOT, MEADS)
- Detailed understanding of Track Management processes and behaviors
- Detailed understanding of Tactical Data Links (e.g., Link-16)
- Detailed understanding of Command and Control (C2) functioning
- Detailed understanding of defense planning and task force laydowns

Security Clearance

Candidates must currently have, or be able to obtain, and maintain a minimum DoD SECRET level security clearance.

Location

Huntsville, AL

Qualified candidates should send Application for Employment and resume to careers@qtecinc.com.

It is the policy of QTEC, Inc. not to discriminate on the basis of gender, age, race, religion, disability, veteran status or any protected statuses and to take affirmative action to employ and advance in employment qualified individuals within the company.