

Labor Category: Systems Engineer 4

Position Title: Space Vehicle Systems Engineer

Job Description: The Remote Sensing (RS) Systems Engineering & Integration (SE&I) team in El Segundo, CA has an immediate need for a Systems Engineer with experience in Department of Defense (DoD) space-based remote sensing systems. Candidate will provide SE&I support to the Air Force's Overhead Persistent Infrared (OPIR) programs in support of the Space and Missile Systems Center Remote Sensing Directorate (SMC/RS). Candidate will review and support definition of requirements, CONOPS, and integration plans for new system elements. Candidate should have experience with, system acquisition, systems engineering lifecycle, and architecture development for space and ground systems (especially at SMC). Major duties of the position include:

- Providing requirements, CONOPS and interface control documentation support for new elements of the OPIR system.
- Leading interface trade studies in collaboration with development, operations, and sustainment stakeholders to evaluate and optimize interfaces in support of current and future operational requirements.
- Evaluate existing architecture and interface products for suitability and produce new architecture and interface products that meet program acquisition, operations, and sustainment requirements.
- Analyze and manage proposed changes to existing architectural and interface control documentation under configuration control by SMC/RS.
- Manage interdependencies, identify disconnects between current/future architectures and interfaces, identify and conduct key system trades to resolve current system interface issues
- Identify and manage risks and develop risk mitigation courses of action.
- Provide expert analysis to assess impacts of ongoing and future changes involving SMC/RS systems and their interfaces with external systems.
- Support the development of acquisition-related briefings, plans, papers, and other documentation in support of SMC/RS decision making.
- Collaborating with prime contractors, other team contractors, government civilians, and members of the U.S. Air Force.

Required Experience, Skills and Attributes:

- BS in Math, Science or Engineering.
- 9+ Years of experience with analyzing and developing requirements, interfaces and CONOPS for complex space system architectures.
- Highly motivated individual who is a self-starter and works well in a team environment.
- Demonstrated experience working with Air Force/DoD customers in an acquisition environment, with OPIR space and/or ground systems (especially at SMC).
- Experience in developing space and ground system interface and CONOPS documents.

- Experience working on system integration trade-studies.
- Experience writing and delivering technical documents and briefings.
- Excellent verbal, written, and organizational skills.
- Demonstrated interpersonal skills to enable working, interfacing, and interrelating with diverse personnel and dynamic teams.
- Ability to travel periodically.

Desired Requirements

- Advanced degree in Math, Science or Engineering.
- Experience with risk management, analysis & simulation.

Security Clearance

- TS/SCI

Duty Location

- El Segundo, CA