

Support Systems Engineer: Associate Principal Support Systems Engineer

Reviews field support requirements and recommends tool and test equipment. Establishes sustainment support requirements for systems and equipment. Develops logistics support systems. Performs maintenance and maintainability demonstrations for customers. Reviews handbooks, manuals, training, etc. for technical accuracy and adequacy. Plans and contributes to proposal efforts. Designs, develops, and implements testing methods and equipment. Plans and arranges the labor, schedules, and equipment required for testing and evaluating standard and special devices. Applies human performance principles, methodologies, and technologies to the design of human-machine interfaces for systems and products. Develops and implements research methodologies and statistical analysis plans to test and evaluate developmental prototypes used in new products and processes. Interfaces with design engineers to establish system design, operating, and training requirements and to ensure optimized human-machine interfaces, safety, maintainability, testability and other design attributes that influence the sustainability of the system/product. Develops safety documents as required to support customer and test/operational range requirements. Performs audits of operational areas and reports effectiveness of system safety programs. Evaluates the interrelationship of system safety requirements and other aspects of concept design and development requirements to ensure a safe but cost-effective solution. Resolves technical problems and answers queries supporting customers and integrators. Maintains and updates records and tracking databases and alerts management to recurring problems and patterns of problems.

Discretion/Latitude

Work is performed without appreciable direction. Exercises considerable latitude in determining technical objectives of assignment. Completed work is reviewed from a relatively long-term perspective for desired results.

Knowledge, Skills, & Abilities

Applies extensive technical expertise, and has full knowledge of other related disciplines. Answers technical questions regarding products and services, and may take part in putting together proposals, configurations, and product offerings.

Problem Solving

Develops technical solutions to complex problems that require the regular use of ingenuity and creativity.

Impact

Regularly called upon to function in a project leadership role. Erroneous decisions or recommendations would typically result in failure to achieve major organization objectives.

Liason

Represents the organization as the prime technical contact on contracts and projects. Interacts with senior external personnel on significant technical matters often requiring coordination between organizations.

Minimum Education and Experience

10-12+ years with BS in designated Engineering or related field. Employees usually have advanced degree in field of specialization.