

Support Systems Engineer: Chief 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

Often acts independently to uncover and resolve issues associated with the development and implementation of operational programs. Plans R&D programs and recommends technological application programs to accomplish long-range objectives. Work is checked only to the effectiveness of results obtained, and typically requires a long-term perspective.

Knowledge, Skills, & Abilities

Exhibits an exceptional degree of ingenuity, creativity, and resourcefulness. Applies and/or develops highly advanced technologies, scientific principles, theories and concepts. Viewed as leading expert within the field. Establishes long-range marketing plans for the organization's products and services by identifying, analyzing and developing new business opportunities. Establishes customer contacts, develop proposals, and deliver marketing presentations. Maintains relationships with key decision makers.

Problem Solving

Develops information that extends knowledge in a given field. Information may form the basis of newly developed concepts, theories and products.

Impact

Designs research and develops highly advanced new applications resulting in new product/business opportunities for the company. Erroneous decisions or recommendations would have a long-term negative effect on organization's reputation and business posture. Leads development and implementation of key programs and/or processes for the organization.

Liason

Serves as consultant to top management in long-range company planning concerning new or projected areas of technological research and advancements. Prime spokesperson on company's technical capabilities and future directions. Often instrumental in attracting and obtaining major new company business.

Minimum Education and Experience

20+ years of broad and extensive professional experience with BS in designated Engineering or related field. Employees usually have advanced degree in field of specialization.