

Mission Assurance Engineer: Principal Mission Assurance Engineer

Defines and monitors mission assurance program specifications and processes to ensure mission success of programs. Performs or assures quality, risk management, safety, reliability and maintainability of program achievements, subcontractors and suppliers in accordance with contractual requirements. Assesses program performance and risks, and determines resources to ensure mission assurance. Work performed includes the following: Proposals, Contract Reviews and Requirements Flow Down, Design Reviews, Business Area Team Representative (PA Program Management), Cost Account and Schedule Management, Customer Liaison, Quality and Reliability Programs, Reliability/Maintainability Analysis/Techniques, FRACAS, Qualification/Reliability Tests, Engineering Change Board, Material Review Board, Support to Suppliers and Data Items.

Knowledge

Exhibits an exceptional degree of ingenuity, creativity and resourcefulness. Applies and/or develops highly advanced technologies, scientific principles, theories and concepts. Viewed as an expert within the field.

Problem Solving

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

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, typically requiring a long-term perspective. Virtually self-supervisory.

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.

Liaison

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. Continual internal contacts with all other departments. Continual customer contact. Periodic DCMA contact and varying of subcontractor contact.

Work Products (Examples may include but are not limited to)

Quality System Databases & Software Applications; i.e., TIPQA and FRACAS. Microsoft Office Applications. Knowledge expert of ISO -9000 and Reliability Engineering including prediction and analyses as required by MIL-STD-785 and MIL-STD-470, design, manufacturing, and testing methods and procedures.

Minimum Education and Experience

20+ years with BS in Electrical Engineering. 18+ years with MS in Electrical Engineering.