

Mission Assurance Engineer: Mission Assurance Engineer IV

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

Applies extensive technical expertise and has full knowledge of other related disciplines. Possesses full knowledge of Quality Management Systems concepts, their relationships with other disciplines and effects on Mission Assurance. Basic understanding of financial, technical and schedule aspects of programs. Background provides for supporting creation of quality instructions, procedures, tests and reports. Understands supplier and customer relationships. Has hands-on knowledge from working with engineering and manufacturing, and testing and delivery of complex electronic products. Knows the basics of generating a detailed program proposal.

Problem Solving

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

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.

Impact

Guides the successful completion of major programs and may function in a project leadership role. Erroneous decisions or recommendations would typically result in failure to achieve major organizational objectives.

Liaison

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. 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. Working knowledge 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

9 - 13 years with BS in Electrical Engineering. 7 - 11 years with MS in Electrical Engineering.