

Reliability Engineer: Reliability Engineer III

Develops, coordinates and conducts technical reliability studies and evaluations of engineering design concepts and design of experiments (DOE) constructs. Recommends design or test methods and statistical process control procedures for achieving required levels of product reliability. Compiles and analyzes performance reports and process control statistics, and investigates and analyzes relevant variables potentially affecting product and processes. Ensures that corrective measures meet acceptable reliability standards. Analyzes preliminary plans and develops reliability engineering programs to achieve company, customer and governmental agency reliability objectives. May develop mathematical models to identify units, batches or processes posing excessive failure risks. As necessary, proposes changes in design or formulation to improve system and/or process reliability. May determine units and/or batches requiring environmental testing, and specifies minimum number of samples to obtain statistically valid data.

Discretion/Latitude

Works under only general direction. Independently determines and develops approach to solutions. Work is reviewed upon completion for adequacy in meeting objectives.

Knowledge, Skills and Abilities

Complete understanding and wide application of technical principles, theories, and concepts in the field. General knowledge of other related disciplines.

Problem Solving

Provides technical solutions to a wide range of difficult problems. Solutions are imaginative, thorough, practicable, and consistent with organization objectives.

Impact

Contributes to the completion of specific programs and projects. Failure to obtain results and/or erroneous decisions or recommendations would typically result in serious program delays and considerable expenditure of resources.

Liaison

Frequent inter-organizational and outside customer contacts. Represents the organization in providing solutions to technical issues associated with specific projects.

Minimum Education and Experience

5-8+ years with BS in designated Engineering or related field.