

# Reliability Engineer: Reliability Engineer I

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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**

Work is closely supervised. Follows specific, detailed instructions and/or guidance from more senior functional staff.

## **Knowledge, Skills and Abilities**

Limited use and/or application of basic technical principles, theories, and concepts to specific job assignments.

## **Problem Solving**

Develops solutions to routine technical problems of limited scope by following standardized practices and procedures.

## **Impact**

Contributes to the completion of routine technical tasks. Failure to achieve results can normally be overcome without serious effect on schedules and programs.

## **Liaison**

Contacts are primarily with immediate supervisor, project leaders, and other professionals in the section or group.

## **Minimum Education and Experience**

0-2+ years with BS in designated Engineering or related field.