

Industrial Statistics – Reliability Analysis

Modules

Module 1:

Reliability Engineering - Basics

Module 2:

Application of Reliability Engineering Methods in the Product Development Process

Module 3:

Planning of Reliability Validation

Contents

- Definition of reliability
- Measures and models for repairable and non-repairable objects
- System reliability
- Reliability targets
- Validation and verification
- Reliability growth
- Availability
- Fault tree analysis
- Warranty and risk assessment

Practical requirements

You are a quality or reliability engineer, responsible for a process, system or a product and have to...

- define and achieve reliability targets
- create verification or validation plans
- screen systematically for failures and establish fast and effective corrective actions
- determine warranty costs and risk
- requirements: course package DA 1, IS 1 or equivalent qualification

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