

FMEA (Failure Mode & Effects Analysis) - Intermediate Level

Course Description:

This course provides a detailed look at **FMEA (Failure Mode & Effects Analysis)**, a team-based risk management technique that recognizes and evaluates the potential failure of a product or process and identifies actions that could eliminate or reduce the chance of the failure occurring. FMEA is a core tool of the APQP process.

This course will help participants acquire the knowledge and skills necessary to understand and interpret the FMEA 4th Edition guideline requirements for their respective companies and how to develop and implement FMEAs within their organization's operations.

Learning Objectives:

Through a combination of presentation, discussion and group exercises, participants will gain a working knowledge of the following elements that are based on FMEA 4th Edition requirements:

Understanding the Role of FMEA in Quality Planning

- Purpose, uses and definitions.
- When FMEAs are performed and who should be involved.

Design FMEA (DFMEA)

- Uses and benefits.
- Steps in developing a Design FMEA.
- Use of diagrams (Boundary Diagram, Parameter Diagram, etc.)
- Review of the Design FMEA form, including the different steps and special criteria required:
 - DFMEA Severity Evaluation Criteria
 - DFMEA Occurrence Evaluation Criteria
 - DFMEA Detection Evaluation Criteria
- Follow-up actions.
- Workshop exercise in Design FMEA.

Process FMEA (PFMEA)

- Uses and benefits.
- Steps in developing a Process FMEA.
- Review of the Process FMEA form, including the different steps and special criteria required:
 - PFMEA Opportunity for Detection Criteria
 - PFMEA Occurrence Evaluation Criteria
 - PFMEA Detection Evaluation Criteria
- Follow-up actions.
- Workshop exercise in Process FMEA.

Cancellation Policy

An administration fee will be charged for cancellations less than 14 days prior to the course date. Substitutions will be permitted at any time. Course transfers may be made without penalty. The BRC reserves the right to cancel any seminar and will, in such event, fully refund all registration fees. No liability is assumed by the organizers for changes in seminar dates, content, speakers or venue.

Who Should Attend:

Quality Managers, Quality Team Leaders, and individuals / team members wanting a better understanding of the quality planning process.

Location:

- Public Course
- On-Site

Duration:

Two (2) Days

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