



## BSI Training Academy

# Potential Failure Mode and Effects Analysis (FMEA)

## training course

### Essential information about the course

Level **1C 2C 3**

Failure Mode and Effects Analysis (FMEA) is a step-by-step approach for identifying all possible failures in a design, a manufacturing or assembly process, or a product or service. When applied effectively it improves the quality, reliability, and safety of a process. It is one of the Core Tools which form the building blocks of an effective quality management system and referred to in IATF 16949.

This course may be helpful if you are involved in product and process development activities, either as a team member or leading the activities. If you are an IATF 16949 auditor or involved in the implementation of the standard then this course may also be beneficial.

It will help you to identify the activities involved in the

development of FMEA. You will also gain the knowledge to identify failure modes and apply risk rankings using the severity, occurrence, and detection ranking tables defined in the Potential Failure Mode and Effects Analysis reference manual.

Delegates should have a good understanding of the requirements of ISO 9001:2015 and IATF 16949:2016 related to the scope of your audit. Ideally you will have also completed the 'IATF 16949 Quality Management Systems Internal Auditor Training Course', or equivalent.

This one-day activity-based course is structured to optimize your learning using our unique approach to accelerated learning.

### Our course agenda

#### Day 1

- Course aims, objectives and structure
- Potential Failure Mode and Effects Analysis (FMEA)
  - Development of FMEA
  - The structure and approach
  - Components
  - Design Failure Mode and Effect Analysis (DFMEA)
  - Reduce risk
  - Team approach
- Manufacturing and assembly considerations
- Block and parameter diagrams in FMEA
- DFMEA layout
  - Potential causes of failure
  - Current design controls
  - Determining action priorities
  - Action tracking
- The Potential Failure Mode and Effects Analysis (PFMEA)
  - Layout
  - Determining action priorities
  - Risk evaluation
  - Action tracking
  - Maintaining PFMEA's
  - Leveraging PFMEA's
- Questions and close

**Book today at**  
[bsigroup.com/training](https://bsigroup.com/training)

# Potential Failure Mode and Effects Analysis (FMEA) training course.

We want to make sure you have the best learning experience possible. That's why we offer a range of training courses from beginner to expert. We create a positive learning environment so you retain the knowledge and acquire skills that will continue to be of use beyond the course.

## Make sure this is the right course for you.

### This is the course for you if:

- You are involved in product and process development activities
- You are involved in the implementation or auditing of IATF 16949
- You already have a good understanding of the requirements of ISO 9001:2015 and IATF 16949:2016 related to the scope of your audit

### What is the course like?

- One day long
- Led by a BSI expert tutor
- Relaxed and comfortable learning environment
- You'll receive detailed course notes to take away

### How will I benefit?

- You will learn how to identify the activities involved in the development of FMEA
- You will gain the skills to apply the steps involved for a successful FMEA
- Develop professionally
- Network with likeminded peers
- Receive a BSI certificate



Upon successful completion of your course, you'll receive an internationally recognized BSI certificate.

## Why invest in training from BSI?

When you attend a BSI training course, our tutors are the best in the business. They're truly passionate about sharing their knowledge and ensuring you learn. Trusted experts with years of hands-on and business experience, they bring the subject matter to life with relevant and contemporary examples.

### Training delivered at your site



This could be a convenient and cost effective option, especially if you have multiple delegates.

**Talk to one of our experts to find out more.\***

### Next steps with the BSI Academy



Want to learn more? You may be interested in:  
IATF 16949:2016 Implementing training course  
IATF 16949:2016 Understanding core tools for Internal Auditors training course

\*According to IATF rules, in-house training is only available to organizations not currently certified by BSI

# bsi.

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