



BSI Training Academy

Aerospace Potential Failure Mode and Effects Analysis (FMEA)

training course

Essential information about the course

Level **1 C 2 C 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. Due to the safety critical nature of the aerospace industry its use is now commonplace and the benefits derived from this methodology are numerous.

This course may be helpful if you are involved in product and process development activities, either as a team member or leading the activities. 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 AS/EN/JISQ 9100 related to the scope of your audit.

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

Our course agenda

- Course aims, objectives and structure
- Potential Failure Mode and Effects Analysis (FMEA)
 - Introduction
 - FMEA development
 - Structure
 - Approach
 - Components
 - The DFMEA
 - Reduce risk
- Team approach
- Manufacturing and assembly considerations
- Block and parameter diagram
- DFMEA layout
 - Potential causes of failure
- Current design controls
- Determining action priorities
 - Action tracking
- The PFMEA
 - Layout
 - Determining action priorities
 - Risk evaluation
 - Action tracking
 - Maintaining PFMEAs
 - Leveraging PFMEAs
- Reflection and end of course

Book today at bsigroup.com/training

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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 course is for you if:

- You are involved in or leading product or process development activities
- You are involved in the implementation or auditing of AS/EN/JISQ 9100
- You already have a good understanding of the requirements of ISO 9001:2015 and AS/EN/JISQ 9100

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?

- Become a productive member of a product or process design team
- Gain the confidence 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 will receive an internationally recognized BSI certificate to show your achievement.

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 our comprehensive range of Core tool training courses for aerospace

bsi.

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