AIAG and VDA DFMEA Training Course
Training course

STAGE **1** 2 3

Essential information about the course

Using methods specified in the AIAG VDA Failure Mode and Effects Analysis FMEA Handbook Edition 1, this two-day training course provides you with a hands-on approach using a case study. You'll develop a DFMEA using the new methodology and you'll have the opportunity to practice each of the steps in the new 7 step approach.

Our course agenda

Day 1:	Day 2:
AIAG and VDA FMEA – Purpose and objectives FMEA for products and processes 　• FMEA team roles and responsibilities 　• FMEA project planning 7 step approach Step 1: Planning and preparation Step 2: Structure analysis 　• Block and boundary diagram 　• Structure trees Step 3: Function analysis 　• Requirements 　• Parameter diagram Step 4: Failure analysis 　• Failure chain, effects, mode and cause Step 5: Risk analysis 　• Severity, occurrence and detection 　• Special characteristics 　• Action priority (AP) Step 6: Optimization Step 7: Results documentation 　• COQ/COPQ	Step 1: Planning and preparation Step 2: Structure analysis Step 3: Function analysis Step 4: Failure analysis 　• Evaluating severity, occurrence and detection Step 5: Risk analysis 　• Action priority (AP) Step 6: Optimization COQ Book today at **bsigroup.com/training**

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

Who is this course for?
This course is for:
- Anyone involved in process development activities, either as a team member or leading the activities
- IATF 16949 auditors
- Anyone interested in learning more about new AIAG and VDA FMEA
- IATF 16949 auditors
- Anyone involved in the implementation and maintenance of IATF 16949

What are the Learning objectives?	What are the benefits?
You'll have the knowledge and skills to:	This course will help you:
• Recognize the purpose, objectives of the AIAG and VDA FMEA and the 7 step approach	• Understand how to:
• Participate in the new 7 step approach including:	• Implement the 7-step approach
• System analysis – Planning and preparation, structure analysis, and function analysis	• Use the severity, occurrence and detection tables
• Failure analysis and risk mitigation – Failure analysis, risk analysis, and optimization	• Work with action priority tables (AP)
• Risk communication – Results documentation	• Find the linkages between the cost of quality; and FMEA and the financial impact on performance
• Assign severity occurrence and detection rankings using the new tables based on data provided from the Case Study	• Become a productive team member in the development of the AIAG VDA design FMEA
• Prioritize actions using the action priority (AP) tables	
• Develop the COQ from the DFMEA activity taking account of company level data affected by the DFMEA	
• Apply the steps involved to achieve a successful DFMEA using the new 7 step approach	

Prerequisites - You are expected to have the following prior knowledge:

You should be able to demonstrate the following minimum competencies prior to attending the course:
- An understanding of the previous AIAG FMEA 4th Edition
- Applicable IATF 16949 requirements related to product and/or design development

This can be obtained through attendance of either our IATF 16949 Requirements or Implementation Training Course (or equivalent)

Why invest in training from BSI?

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 the skills that will continue to be of use beyond the course.

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 to enhance your learning.

Training delivered at your site 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 attending other core tools training courses on: Core Tools for Internal Auditors, APQP, SPC or MSA