



## AIAG and VDA FMEA – What’s Changed Training Course

### Training course



#### Essential information about the course

This one-day course provides an overview of the new methodology used to develop both design and process Failure Mode and Effects Analysis (FMEA) in line with the methods specified in the AIAG VDA Failure Mode and Effects Analysis FMEA Handbook Edition 1, taking delegates through the new 7 step approach using practical examples.

Your learning will be through an activity-based, delegate-centred approach. This will help you share experiences and knowledge with other attendees; bringing alive the information presented and resulting in enhanced retention and application to your own workplace.

You have the full support and training from a world-class BSI tutor also at your disposal.

#### Our course agenda

<ul style="list-style-type: none"> <li>• AIAG and VDA project objectives             <ul style="list-style-type: none"> <li>○ Introduction</li> <li>○ Purpose</li> <li>○ What are the objectives and limits of FMEA?</li> <li>○ Comparison of 4<sup>th</sup> Edition and AIAG &amp; VDA FMEA</li> </ul> </li> <li>• FMEA for products and process             <ul style="list-style-type: none"> <li>○ Collaboration between design and process FMEAs</li> <li>○ Alignment of FMEA and project planning</li> <li>○ FMEA team</li> <li>○ FMEA team roles and responsibilities</li> <li>○ FMEA project planning</li> </ul> </li> <li>• FMEA 7 step approach</li> <li>• Step 1 planning and preparation</li> <li>• Step 2 structure analysis</li> <li>• Step 3 function analysis</li> <li>• Step 4 failure analysis</li> <li>• Step 5 risk analysis</li> <li>• Step 6 optimization</li> <li>• Step 7 results documentation</li> <li>• Cost of poor quality</li> </ul>	<p><b>Who is this course for?</b> This course is for:</p> <ul style="list-style-type: none"> <li>• Anyone who wants to apply advanced, effective and structured process improvement methodologies</li> <li>• Those who do not want more formal Lean Six Sigma training</li> <li>• Anyone who wants to learn advanced practical process improvement without any jargon, history, or gurus etc.</li> <li>• Those who want to logically and practically learn how to improve a process, which can be applied to any workplace without extensive theory</li> </ul> <p>Book today at <a href="https://bsigroup.com/training">bsigroup.com/training</a></p>
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Upon successful completion of your course, you'll receive an internationally recognized BSI certificate

<p><b>What are the Learning Objectives?</b> You'll have the knowledge and skills to:</p> <ul style="list-style-type: none"> <li>• Recognize the new FMEA and the steps involved to apply the new 7 step approach</li> <li>• Identify the activities involved in the new 7 step approach including: <ul style="list-style-type: none"> <li>○ System analysis – Planning and preparation, structure analysis, and function analysis</li> <li>○ Failure analysis and risk mitigation – Failure analysis, risk analysis, and optimization</li> <li>○ Risk communication</li> <li>○ Results documentation</li> </ul> </li> <li>• Assign severity occurrence and detection rankings using the new tables</li> <li>• Prioritize actions using the action priority tables (AP)</li> <li>• Link COQ to FMEA activity</li> <li>• Participate as a team member in the development of the AIAG VDA FMEA</li> </ul>	<p><b>What are the benefits?</b> This course will help you to understand the main changes including the:</p> <ul style="list-style-type: none"> <li>• New 7 step approach</li> <li>• New severity, occurrence and detection tables</li> <li>• New action priority tables (AP)</li> <li>• The link between the cost of quality and FMEA and the financial impact FMEA has on performance</li> </ul>
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**Prerequisites** - you are expected to have the following prior knowledge:

<p>You should be able to demonstrate the following minimum competencies prior to attending the course:</p> <ul style="list-style-type: none"> <li>• An understanding of the previous AIAG FMEA 4<sup>th</sup> Edition</li> <li>• Applicable IATF 16949 requirements related to product and/or process development</li> </ul> <p>This can be obtained through attendance of either our IATF 16949 Requirements or Implementing Training Course (or equivalent)</p>
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### 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



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