

AIAG-VDA FAILURE MODE & EFFECT ANALYSIS

Introduction:

This two-day AIAG VDA FMEA workshop focuses on the AIAG & VDA Handbook, introducing delegates to FMEA, and taking them through the new '7-step approach' to FMEA. The course will also explore key differences from the 4th edition AIAG Handbook to the AIAG & VDA Handbook.

Course Objectives:

- To understand the main changes, improvements, and benefits of AIAG VDA FMEA.
- To understand execution requirement compared to AIAG 4th Edition FMEA manual & VDA Volume 4.
- To understand the 7 steps methodology in AIAG-VDA FMEA.
- To conduct FMEA studies as per the new requirement which supersedes the 4th Edition of AIAG FMEA.
- To learn use of Severity, Occurrence, Detection and Action Priority rating tables.
- To understand the supplemental FMEA-MSR
- To understand the application of various tools in order to develop DFMEA and PFMEA as per new AIAG VDA FMEA.
- To comply with the new AIAG-VDA FMEA requirement for new product design and development

Course Contents:

- Purpose, objectives and scope of the AIAG and VDA FMEA
- The AIAG 4th edition handbooks and key differences of the AIAG VDA handbook
- The Seven Steps in new AIAG VDA FMEA
- Step 1 Planning & Preparation
- Step 2 Structure Analysis
- Step 3 Function Analysis
- Step 4 Failure Analysis
- Step 5 Risk Analysis
- Step 6 Optimization
- Step 7 Results Documentation
- AIAG VDA FMEA Methodology and Project Planning
- Supplemental FMEA for Monitoring & System Responses (MSR)

- The New AIAG VDA FMEA Format
- The step-by-step method in completing the new FMEA format (form sheet)
- Process and Design FMEA scoring and action priority
- Severity, Occurrence, Detection and Action Priority Table
- Linkages of PFMEA to other document i.e. Control Plan, Inspection Standard and Operator Instruction
- Review of key learning points, discussion and questions

Who Should Attend:

Design and/or Process Managers and Engineers; Manufacturing, Quality Assurance, Reliability Research, Development, Safety Engineering Personnel and IATF 16949 Auditors. This course is also suitable for those wanting to gain an understanding of how to perform an FMEA to the AIAG/VGA handbook.

Training Methodology:

This training is interactive and uses practical exercises, discussions, case studies to reinforce understanding and enhance the transfer of learning. Participants are encouraged to bring their own designs and process maps to get the most out of the hands-on workshops and applications. This workshop is most beneficial when a team from your organisation attends together.

An actual company-specific case study/sample can be used provided an appropriate approval and authorization is done beforehand.

Award of Certificate:

Participants will be issued with a Certificate of Successful Completion upon meeting 75% of the required course attendance.

Duration:

2 days (14 hours)

Course Fee:

\$500 nett per trainee (GST is not applicable).

(Course fee is inclusive of all training materials and light refreshments.)