

AIAG & VDA FMEA Handbook 1st Edition

Background

This training provides a detailed exploration of the AIAG & VDA FMEA Handbook (1st Edition), focusing on its globally harmonized methodology for Failure Mode and Effects Analysis (FMEA). Designed to enhance risk management in product and process design, the course equips participants to identify, analyze, and mitigate risks effectively. The training introduces the updated 7-step FMEA approach, emphasizing its alignment with the Advanced Product Quality Planning (APQP) framework, error-proofing strategies, and action priority rankings to meet modern standards.

Learning Objectives

By the end of this course, participants will be able to:

- Understand the major changes in the AIAG & VDA FMEA Handbook, including the transition from RPN to Action Priority (AP) and the integration of FMEA-MSR.
- Apply the 7-step FMEA process for design (DFMEA) and process (PFMEA) analyses.
- Develop and document FMEA projects, incorporating lessons learned and leveraging standardized templates.
- Assess and prioritize risks using Severity, Occurrence, and Detection ratings, and implement mitigation actions effectively.
- Collaborate across cross-functional teams, including customers and suppliers, to streamline risk management and enhance product reliability.
- Avoid common pitfalls and adopt best practices for robust FMEA implementation.

Agenda

1. Introductions to FMEA
2. The FMEA Process
3. Key Updates in AIAG & VDA Handbook
4. The 7 Steps
5. Best Practices and Common Pitfalls
6. How to Audit an FMEA

Additional Information

- 2 Days