

COURSE TITLE

INTERPRETATION AND APPLICATION OF AIAG VDA INTEGRATED APPROACH TO FAILURE MODE & EFFECT ANALYSIS (FMEA)

OBJECTIVES

This program is designed to equip the participants with the practical knowledge on the interpretation and application of AIAG-VDA Integrated Approach to Process FMEA (Failure Mode and Analysis) through Enhancement of Foundation FMEA.



SQI
INTERNATIONAL

2026

Course Brochure

QUALITY TOOLS
& TECHNIQUES:
AIAG VDA
INTEGRATED
APPROACH TO
FMEA

Introduction

AIAG VDA FMEA incorporates the best practices from both AIAG and VDA methodologies into a harmonized structured approach to develop Design FMEA, Process FMEA, and Supplemental FMEA for Monitoring and System Response.

It is a more comprehensive, prevention centered process that provides a better method of action prioritization that enables identification and focus on actions that will have the most positive impact on your designs and processes.

Price

Member: S\$\$782.62

Non-Member: S\$\$867.64

All fees stated are inclusive of Registration Fee and 9% GST

WHO SHOULD ATTEND

This course is designed for R&D / Quality Control / Process Control / Quality Assurance / Technical and Engineering personnel who are involved in managing Design Control / Process Control and Quality Control activities with a view to enhance process and productivity improvements through the application of FMEA.

ENTRY REQUIREMENT

Participants must have attended and completed the Basic FMEA Training Course

COURSE CONTENTS

Day One

Foundation FMEA

- Essential Concept of FMEA Development Activities
- Process Flow Diagram
- Prevention Control vs Detection Control
- Fundamental Concept of Risk Management
- Risk Estimation Techniques
- Risk Evaluation Criteria
- Classroom Exercises & Discussion

Introduction to AIAG-VDA FNMEA

- Purpose and Description
- Objectives and Limits of FMEA
- Integration of FMEA in the Company
- FMEA for Products and Processes
- Project Planning (5T)
- FMEA Methodology
- Classroom Exercises & Discussion

Day Two

- Process FMEA 1st Step: Planning and Preparation
- Process FMEA 2nd Step: Structure Analysis
- Process FMEA 3rd Step: Function Analysis
- Process FMEA 4th Step: Failure Analysis
- Process FMEA 5th Step: Risk analysis
- Process FMEA 6th Step: Optimization
- Process FMEA 7th Step: Result Documentation
- Participants will be divided into Groups to develop Process FMEA in accordance with the 7-Steps
- Group Presentation & Discussion

TRAINER

This course is conducted by Trainers who are experts in their domains of quality principles, systems & standards – IATF 16949:2016, APQP, PPAP and AIAG VDA FMEA.

AWARD OF CERTIFICATE

Certificate of Completion will be issued to participants who have attended at least 75% of the course.

DURATION

2 days
9 am – 5pm
14 hours



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