

# Failure Mode and Effect Analysis (FMEA)

## **INTRODUCTION**

This 1-day course covers the application of Failure Mode and Effect Analysis (FMEA) within the context of ISO/TS 16949:2009

FMEA is an analytical tool used to investigate potential failure modes of designs and processes. There is also a variation that includes the criticality of the item under consideration to assist in focussing attention on the significance of any potential failure. Through the use and application of the FMEA businesses can:

- Improve confidence when introducing products and services
- Identify Critical and Significant characteristics.
- Implement controls necessary to reduce the risk.
- Drive continual improvement

## **DURATION**

- 1 Day, 09.00 – 16.00

## **WHO SHOULD ATTEND?**

FMEA is one of the automotive core tools and is required within the APQP and PPAP processes. Managers and staff with responsibility for sales, design, technical, production or quality in the automotive sector and suppliers to the automotive sector would benefit from this course.

## **COURSE OBJECTIVES**

The main aims of the course are to enable delegates to understand:

- How to complete an FMEA
- Tools and Techniques that can be used
- How the FMEA can benefit an organisation

## **COURSE CONTENT**

This 1-day course covers all steps for the FMEA process by completing an FMEA form using an automotive case study:

- Identifying Failure Modes, Effects and Causes
- Rating for Severity, Occurrence and Detection
- Establishing the Risk Priority
- Identifying actions required to reduce the risk.

## **WHAT ARE THE BENEFITS?**

This course is of particular benefit to anyone considering introducing FMEA as an improvement technique. Following the course delegates will have a greater appreciation regarding the implications and practical aspects of its use. It is of particular benefit to quality practitioners from the automotive sector, where effective use of FMEA is quite often a contractual or customer requirement

## **IN – HOUSE COURSES**

Offering better value for money, they can be designed to closely match your specific requirements.

## **STYLE OF DELIVERY AND COURSE LEADERS**

Our course leaders have extensive experience in Automotive Quality Management and auditing to ISO/TS 16949. This wide experience enables them to make the course more interesting by using their relevant examples and case studies during workshop discussions.

## **CERTIFICATION**

All delegates will be awarded a certificate verifying attendance and satisfactory completion of the course.

