



Implementing the Failure Mode and Effects Analysis (FMEA) Reference Manual 4th Edition

Establish the use of FMEAs to avoid “Murphy’s Law”. Learn the skills needed to practice risk reduction and defect prevention.

Length: 2 days CEUs: 1.4 Prerequisites: *Knowledge of automotive requirements recommended*

WHAT YOU WILL LEARN

- Learn how to define FMEA customers
- Understand the relationship of FMEA to Advanced Product Quality Planning (APQP)
- The specifics of Design and Process FMEAs
- Develop an understanding of the concept of risk and how to reduce the risk of failure
- Hands-on development of FMEAs for your company or products, including how to complete an FMEA and understand the reasoning for specific parts of the FMEA

PLEXUS LEARNING MODEL

Learning is maximized through participation. That is why Plexus training avoids lecture-based teaching and focuses on group activities, case studies and hands-on applications. *Learn by doing.*

WHO SHOULD ATTEND

- Anyone involved in the implementation of ISO/TS 16949
- Individuals and cross functional teams interested in risk reduction and anyone who wants a better understanding of basic FMEA and risk management methodology
- Representatives from key functional groups involved in an organization’s quality management system

INSTRUCTORS

Plexus Master Trainers. Plexus Master Trainers train and evaluate:

- ISO 9001:2008, ISO/TS 16949:2009, AS9100, ISO 14001:2004 Environmental Management Systems, ISO 22000:2005 Food Safety, ISO 9001:2008 for Healthcare and ISO 13485:2003 for Medical Devices.
- Plexus trains 3rd party auditors and wrote the materials used to certify all of them
- Supplier Auditors

Core Tools

AGENDA

Day 1

- ❖ Introduction
- ❖ What do Design and Process FMEAs Answer
- ❖ How do FMEAs Reduce Risk
- ❖ Defining Your Design and Process FMEAs Customers
- ❖ Developing Design and Process FMEAs

Day 2

- ❖ Developing Design FMEAs (continued)
- ❖ Developing Process FMEAs (continued)
- ❖ Signs of a Successful FMEA
- ❖ Closure

eLEARNING OPTIONS

A two-hour eLearning module is also available on FMEA. This module would be a good overview of the Core Tool before coming to the class. This module would also be an excellent way to prepare for the AIAG Core Tool certification exam in FMEA.