



Core Tools Overview

This course is designed to provide participants with an introductory overview of APQP/PPAP, FMEA, SPC and MSA methodologies. Participants will learn the intent of the core tools, linkages to ISO/TS 16949:2009 and general requirements of the automotive core tool manuals. This one-day overview course is an overview course only, not an implementation course, such as AIAG's course offerings of implementing each of these reference manuals.

Length: 1 day CEUs: .7 Prerequisites: *Knowledge of automotive requirements recommended*

WHAT YOU WILL LEARN

Participant groups will:

- **APQP** - develop reports showing the intent, inputs/outputs (alternative – how to audit), and linkages to the ISO/TS 16949:2009 technical Standard
- **PPAP** - identify requirements and linkages to APQP (where do PPAP submission requirements come from in the APQP process?)
- **FMEA** - briefly review DFMEA and PFMEA, discuss terminology, methodology and intents of the FMEA manual. Review both FMEA forms column by column as a group; focus on methods to reduce severity, occurrence and detection
- **SPC** - report on key points, terminology and linkages to ISO/TS 16949:2009
- **MSA** - look up definitions and report on different aspects of MSA. Conduct question and answer on Phase 1 and Phase 2 studies

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
- Quality Managers and team leaders
- Third-party auditors of ISO/TS 16949:2009
- 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