

Related Core Tools for Internal Auditors

GM and Ford require that Internal Auditors be trained in the core tools (APQP, FMEA, MSA, PPAP, and SPC). This intense 3-day class provides auditors with a solid understanding of the concepts for each of the core tools, and most importantly, how to audit their application in an automotive environment. The GM, Ford and Chrysler Customer-Specific requirements are also covered within the course content to provide exposure and audit strategies for these important requirements.

Hours: 8 a.m. – 4 p.m.

Length: 3 days

Course Objectives

Participants will learn:

- The concepts and methods behind each of the core tools
- Strategies for auditing each of the tools
- How to audit the customer-specific requirements.

Who Should Attend:

Internal quality auditors, audit program managers, supplier quality engineers and other individuals involved in internal auditing to IATF 16949.

Please note that the overview of the core tools assumes previous experience and/or training in the automotive approach to process-based auditing. Auditors with no previous exposure or training in the process approach should consider attending the IATF 16949 Internal Auditing course

Related Seminars:

- IATF 16949
- IATF 16949 Internal Auditing



Seminar Content

Introduction

- The Importance of Advanced Quality Planning
- APQP and IATF 16949
- Key APQP Concepts

APQP Phase I --Plan and Define

- Requirements and Audit Points

APQP Phase 2--Product Design and Development

- Requirements and Audit Points
- **DFMEA:** Concepts, Development and audit Points
- *Workshop: Evaluating DFMEAs*

APQP Phase 3-Process Design and Development

- Requirements and Audit Points
- **PFMEA:** Concepts, Development and Audit Points
- *Workshop-Developing and Evaluating PFMEAs*

APQP Phase 4-Product and Process Validation

- Requirements and Audit Points
- **SPC:** Process Capability
- **MSA:** Concepts, Development and Audit Points
- *Workshop: Performing and Evaluating Gage Studies*

- **PPAP:** Development and Audit Points
- *Workshop: Evaluating PPAP Packages*

APQP Phase 5-Feedback, Assessment and Corrective Action

- Requirements and Audit Points
- **SPC:** Concepts
- Control Charts for Variables
- Control Charts for Attributes
- *Workshop: Evaluating Control Charts*
- Customer Satisfaction