



Implementing Advanced Product Quality Planning (APQP), Control Plan and Production Part Approval Process (PPAP) 4th Edition

Learn the skills needed to implement the APQP process, develop control plans and complete the production part approval process smoothly, efficiently and effectively. Using simulations, groups will work with customer engineers to develop a customer requirement and take it from prototype to a functionally acceptable and capable part. Realism is enhanced as teams develop flow charts, process instructions and control plans for the product and carry them through the PPAP submission.

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

WHAT YOU WILL LEARN

- Key linkages between ISO/TS 16949:2009 and APQP, FMEA, MSA and SPC and understand the “big picture”
- The 5 phases of APQP
- PPAP submission requirements
- A functional timing plan for production and delivery of a simulated product
- Features of developing a manufacturing system and its control plans, and validating the manufacturing process

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

- Quality Managers and Quality Team Leaders
- 3rd Party Auditors to ISO/TS 16949
- Anyone involved in the implementation of ISO/TS 16949
- Anyone who wants a better understanding of the quality planning process

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

- ❖ Basics of Quality Planning and APQP
- ❖ APQP 1.0 – Plan and Define
- ❖ APQP 2.0 – Product Design and Development
- ❖ APQP 3.0 – Process Design and Development

Day 2

- ❖ APQP 4.0 – Product and Process Validation
- ❖ Production Part Approval Process
- ❖ APQP 5.0 – Production, Feedback and Assessment
- ❖ Key Linkages and APQP Examples
- ❖ Bulk Material Supplement

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.