

Advanced Product Quality Planning (APQP), 2nd Edition

It costs far less to apply tools to detect and prevent a problem than it does to fix it after it has been designed into the Product or the Process. This powerful 2-day seminar shows you how to make the APQP process your most important tool for ensuring competitive advantage. This seminar addresses all the major requirements aligned under Clause 8.1 – 8.7 within ISO 9001:2015 & IATF 16949. *Note that this seminar can be customized to include the quality planning process of your primary customer(s).*

Hours: 8 a.m. – 4 p.m.

Length: 2 days

Course Objectives

Participants will learn:

- The structure of the APQP process and interrelationships to ISO9001:2015& IATF 16949 and the organizations quality planning process
- DFMEA and PFMEA concepts and techniques
- How to use the methods embedded in the APQP to ensure error-free launches
- Important customer-specific requirements relating to the advanced quality planning process.

Who Should Attend:

Managers, team leaders, engineers, quality professionals, contract and sales professionals and others who serve as members of the product and process quality planning team.

Related Seminars:

- ISO 9001:2015
- IATF 16949
- Design FMEA
- Process FMEA

Seminar Content

Introduction to Quality Planning

- Quality Planning Defined
- The Need for Planning
- The APQP Process
- Components of APQP
- The APQP Team
- APQP 2nd Edition changes

Phase I--Plan and Define

- Phase Inputs
- Obtaining the Voice of the Customer
- Phase Outputs
- The Product Assurance Plan
- Workshop: Establishing a Timing Plan for Phase 1 Activities

Phase 2--Product Design and Development

- Design FMEA
- DFM/DFA
- Prototype Control Plan
- Design Reviews
- Team Feasibility Reviews
- New Tooling and Equipment
- Workshop: Establishing a Timing Plan for Phase 2 Activities, considering Phase 1

Phase 3-- Process Design and Development

- Process Flowchart
- Packaging Requirements
- Packaging Design
- Process FMEA
- Process Instructions
- Pre-Launch Control Plan
- Workshop: Establishing a Timing Plan for Phase 3 Activities, considering Phase 1 & 2.

Phase 4--Product and Process Validation

- Production Trial Run
- Process Capability Study
- Measurement Systems Evaluation
- Process Sign-Off
- Product Part Approval Process
- Workshop: Establishing a Timing Plan for Phase 4 Activities, considering Phase 1, 2 & 3.

Phase 5--Feedback, Assessment and Corrective action

- Customer Satisfaction
- Lessons Learned
- Delivery and Service