

Understanding AS9145 - APQP and PPAP for Aviation, Space and Defense Organizations



Course Duration: 2 Days - 8 Hours/day

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Seminar Content

This Two-day seminar is designed to provide participants with an understanding of how the risk management elements of Aerospace Advanced Product Quality Planning (APQP) help ensure successful launches based on robust New Product Development processes, as well as how to employ the same tools to manage continual improvement in products and processes. The multidisciplinary approach to APQP knowledge management is stressed as essential to shortening development cycle times and reducing launch risk in new product introduction.

This seminar also provides guidance on the Aerospace PPAP. It shows where and when to incorporate prevention tools such as DFMEA, DFM/DFA, Process Flow, PFMEA, Control Plans, MSA, and SPC. This class provides a comprehensive overview of the overall APQP and Core Tools suite.

APQP and PPAP with the associated tools needs to be integrated with AS9100D clause 8.0 Operation.

Learning Objectives

- ❖ Describe the Aerospace APQP and PPAP requirements
- ❖ Assist an organization in implementing these requirements

Seminar Outline

- ❖ Introduction to AS9145
- ❖ General APQP and Phase 1 Requirements
- ❖ Phase 1 Discussion: Gaps and Opportunities
- ❖ APQP Phase 2 Requirements

- ❖ Phase 2 Discussion: Gaps and Opportunities
- ❖ APQP Phase 3 Requirements
- ❖ Phase 3 Discussion: Gaps and Opportunities
- ❖ APQP Phase 4 Requirements
- ❖ Phase 4 Discussion: Gaps and Opportunities
- ❖ APQP Phase 5 Requirements
- ❖ Phase 5 Discussion: Gaps and Opportunities
- ❖ Production Part Approval Process
- ❖ PPAP Discussion: Gaps and Opportunities

Who Should Attend

Senior Managers and individuals with direct responsibility for introducing new products or new manufacturing technologies will benefit from this seminar.

Those responsible for APQP and PPAP in the Aerospace industry as well as AS9100D implementation team members will also benefit from this seminar.

Seminar Materials

Each participant will receive a seminar manual including exercises.

Pre-Requisite

- ❖ Basic understanding of management systems
- ❖ Some exposure to the New Product Development (NPD) process

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