Aerospace Risk Management and Analysis Series Process Tools Including Process Flow, PFMEA, Control Plans and Work Instructions

Course Duration: 2 Days - 8 Hours/day

Aerospace Risk Management and Analysis Series Process Tools Including Process Flow, PFMEA, Control Plans and Work Instructions

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Seminar Content

This two-day hands-on seminar is intended to offer insight into, and hands-on experience with, the linkages between various aspects of the Advanced Product Quality Planning (APQP) process. Specifically, the development and linkage of Process Flows, PFMEAs, Control Plans and shop floor documentation are addressed. This information can be used to achieve process standardization and improvement.

Learning Objectives

- Gain knowledge and understanding in:
- Process Flows
- Linkages between Process Flows, PFMEAs, Control Plans and Work Instructions
- Linkages between PFMEAs and S/DFMEAs
- Using FMEA as an analytical process
- Characteristics Matrix
- Process FMEAs and Control Plans

Seminar Outline

- Putting an FMEA Together
- PDFMEA Prerequisites
- Breakout Exercise: Customers & Functional Requirements
- Breakout Exercise: Process Flow
- Developing the PFMEA
- Breakout Exercise: PFMEA Steps, Functions, Requirements and FMs
- Breakout Exercise: PFMEA Causes
- Breakout Exercise: PFMEA Prevention/Detection Controls, Occurrence & Detection Index

- Breakout Exercise: PFMEA Effects, Severity Indices and RPN
- Using PFMEA to Improve the Process
- Breakout Exercise: PFMEA Actions
- FMEA and the Product Realization Process
- Control Plans
- Breakout Exercise: Control Plans Work Instructions

Who Should Attend

- Program Managers
- Project Managers
- Quality Managers
- Process Engineers
- PPAP Coordinators
- APQP Team Members
- All other Risk Management personnel

Seminar Materials

Each participant will receive a seminar manual and a workbook including all team breakout exercises.

Pre-Requisite

Participants should possess a working knowledge of quality systems and methodologies.

CONSULTING ★ TRAINING ★ SOFTWARE

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