OMNEX

DRIVING WORLDWIDE BUSINESS EXCELLENCE

Overview of the New AIAG Manuals

- APQP 3rd Edition
- Control Plan 1st Edition

Course Duration: 3 Days - 8 Hours/day

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Overview of the New AIAG Manual - APQP 3rd Edition

Course Duration: 3 Days

Seminar Content

- The class address all the elements of APQP, plus the changes from the 3rd Edition Reference Manual, and defines it as a process in your organization. It provides an overview of the five phases of APQP and how it is managed as a process in the planning, development and launch of new products and processes. Information on the transition to the 3rd Edition Reference Manual will also be included.
- The approaches discussed & employed in this course are consistent with the intent and guidelines in the APQP 3rd Edition.

Who Should Attend

Program Managers

- Design, Quality, and Manufacturing Engineers Persons
- who have direct responsibility for
- preparation, assembly or review of PPAP components or packages

Auditors and those responsible for subcontractor

- PPAP documentation

Recommended Training and/or Experience

Participants should possess a general knowledge of quality systems and have experience with APQP and Control Plans.

Seminar Materials

Each participant will receive a seminar manual that includes breakout exercises.

Seminar Goals (APQP)

- Identify transitional information for applying the 3rd Edition APQP Reference Manual
- Define the five phases of APQP for New Product Development and its relationship to program management, including the knowledge and skills needed to participate in an APQP team
- Learn how to apply the APQP Checklists during an APQP Program Launch
- Define Management Gate Reviews and how best to perform them
- Describe the Role of Leadership and application of APQP Metrics

Seminar Outline - APQP

- APQP Overview
  - Getting Started with APQP Program Launch (Phase 0)
  - The Five APQP Phases and Related Inputs/Outputs
- APQP Checklists and Linkages to the APQP Plan
- Gate Management
  - Role of Leadership and APQP Program Metrics
  - Risk Assessment Mitigation Plan
  - OEE - Overall Equipment Effectiveness
  - Traceability

OMNEX INC

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Overview of the New AIAG Manual - Control Plan 1st Edition

Course Duration: 3 Days

Seminar Content

- The course will focus on the development, implementation and improvement of Control Plans according to the Control Plan 1st Edition Reference Manual. The second day will identify all the concepts and best practices which were retained in the 1st Edition as well as expanded strategies and added concepts and best practices.

Who Should Attend

- Program Managers
- Design, Quality, and Manufacturing Engineers
- Persons who have direct responsibility for preparation, assembly or review of PPAP components or packages
- Auditors and those responsible for subcontractor PPAP documentation

Recommended Training and/or Experience

Participants should possess a general knowledge of quality systems and have experience with APQP and Control Plans.

Seminar Materials

Each participant will receive a seminar manual that includes breakout exercises.

Seminar Goals (Control Plan)

- Be able to develop Control Plans in each phase (Prototype, Pre-launch, Safe Launch, Production) efficiently and effectively
- Describe the minimum information that should be entered in the Control Plan
- Utilize information gathered from implementing APQP and completing a Process FMEA to construct a Control Plan
- Identify and address changes that occur during and after development
- Utilize forms and checklists
  - Control Plan Checklist
  - Special Characteristic Worksheet
- Apply proven techniques for the effective use of Control Plans

Seminar Goals (Control Plan) (Cont'd)

- Reverse PFMEA
- Using software to develop and manage Control Plans
- Layered Process Audits (LPA)
- Using Family and Foundation FMEAs
- Control Plans in highly automated processes
- Reaction Plans and CAPA
- Control of storage and handling related risks
- Management of abnormalities in relation to Control Plan

Seminar Outline – Control Plan

- Fundamentals of Control Plan Development and Implementation
  - Definitions, Concepts and Key Linkages to APQP and FMEA
  - Using Family and Foundation FMEAs
  - How to Handle Directed Supply
  - Process Owners for APQP and Control Plans
- Control Plan Information Development
  - Using Software to Develop and Manage Control Plans
  - Rework and Repair Control Plans
  - Control Plans and Bi-directional Traceability
  - Pass-through Characteristics
  - 9 or 10 Rating in the FMEA as Critical Characteristics
- Control Plan Phases (Prototype, Pre-launch, Safe Launch, Production)
- Effective Use of Control Plans
  - Reverse PFMEA
  - Layered Process Audits (LPA)
  - Control Plans in Highly Automated Processes
  - Reaction Plans and CAPA
  - Control of Storage and Handling Related Risks
  - Management of Abnormalities in Relation to Control Plan

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