

Understanding Core Tools: Advance Product Quality Planning (APQP) and Production Part Approval Process (PPAP)



Course Duration: 1 Day - 8 Hours/day

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Seminar Content

This one-day overview addresses all the elements of Advance Product Quality Planning (APQP) 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. It also details Production Part Approval Process (PPAP) as the culmination of the APQP process and provides an overview of PPAP requirements.

The approaches discussed and employed in this course are consistent with the intent and guidelines in the APQP 2nd Edition and PPAP 4th Edition manuals issued by GM, Ford and FCA through the AIAG.

Learning Objectives

- ❖ Understand the five phases of APQP for New Product Development and its relationship to program management and the knowledge and skills needed to participate in an APQP team
- ❖ Understand the PPAP protocol, elements, deliverables, and submission/approval process

Seminar Outline

- ❖ APQP Overview
- ❖ The Five APQP Phases
- ❖ Concurrent Engineering
- ❖ APQP and IATF 16949
- ❖ The Five APQP Phases
- ❖ Phase I – Planning
- ❖ Phase II – Product Design & Development

- ❖ Phase III – Process Design & Development
- ❖ Phase IV – Product & Process Validation
- ❖ Phase V – Feedback Assessment & Corrective Action
- ❖ PPAP
- ❖ PPAP Elements
- ❖ PPAP Submission Levels
- ❖ Part Submission Warrant (PSW)
- ❖ Assessing Process Readiness and PPAP

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.

Seminar Materials

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

Pre-Requisite

Participants should possess a general knowledge of quality systems.

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OMNEX INC

Global Headquarters Omnex Inc., 315 E. Eisenhower Parkway, Suite 214, Ann Arbor, MI 48108, USA.
Phone: (734) 761-4940 | Fax: (734) 761-4966 | Email: info@omnex.com | Web: www.omnex.com

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