Overview: The New APQP (3rd Edition) and Control Plan (1st Edition)

This two-day course focuses on the changes in the newly released 3rd Edition APQP Reference Manual and 1st Edition Control Plan Reference Manual.

The first day of class addresses 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 and employed in this course are consistent with the intent and guidelines in the APQP 3rd Edition.

The second day of 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.

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 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
- 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 Plans

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

Pre-requisite

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