

Fundamentals of APQP Course Objectives

- Explain the purpose of the APQP process.
- Describe the five phases of the APQP process.
- List the steps necessary to prepare for an APQP effort.
- Be aware of techniques used to identify the VOC (Voice of the Customer.)
- Understand how Design-FMEAs can help reduce risks in the design phase and Process-FMEAs can help reduce process related risks.
- Be familiar with a Design Verification Plan and Report.
- Understand the sequential progress of Control Plans from Prototype to Pre-Launch to Production Phases.
- Understand how Engineering Change Requests generate vital documentation.
- Be familiar with a Team Feasibility Checklist (to conclude Phase 2.)
- Select appropriate flowcharting and process mapping techniques to aid in design of the process.
- Be familiar with a Characteristics Matrix to plot the relationship between product parameters and operational steps of the process.
- Know the importance of Measurement System Analyses and a Preliminary Process Capability studies in evaluating the process and product output.
- Be familiar with the Production Part Approval Process.
- Be acquainted with a Quality Planning Sign-Off (that confirms completion of Phases 1 through 4.)
- Know about tools and techniques that are used to continuously improve both the product its corresponding process.