

# DQS Training Academy

## IATF Courses



### CORE TOOLS TRAINING

#### APQP – ADVANCED PROCESS QUALITY PLANNING

- Understand the purpose of the APQP process.
- Understand the five phases of the APQP process.
- Understand 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 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.
- Be acquainted with a Quality Planning Sign-Off (that confirms completion of Phases 1 through 4).

#### PPAP - PRODUCT PART APPROVAL PROCESS

- Understand what PPAP is, why it should be used and when it should be used.
- Know how to complete PPAP documentation requirements.
- Interpret when specific PPAP requirements apply and when they don't.

**After the training, log in to complete your online 30-minute exam any time on the date specified and achieve your internationally recognised DQS Certificate.**

Contact us now to secure your booking



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## FMEA - FAILURE MODE AND EFFECTS ANALYSIS

- Explain the purpose of conducting an FMEA.
- Describe the link between FMEAs and TS 16949 and other quality standards.
- Explain the methodology of the FMEA process.
- Clarify the scope of a PFMEA.
- Work through the 10 steps of a PFMEA.
- Link the PFMEA to a Control Plan.
- Learn how to make the PFMEA into a living document.

## PROCESS CONTROL PLAN

- Understand the purpose of conducting a Control Plan
- Understand the link between FMEAs and Control Plans
- Understand the methodology of the Control Plan
- Understand the scope of a Control Plan
- Link the PFMEA to a Control Plan.
- Learn how to make the Control Plan into a living document.

## SPC - STATISTICAL PROCESS CONTROL

- Set up a variable and attribute control chart.
- Select the proper type of control chart for the process.
- Understand the differences between a variety of variables control charts and understand which chart is used when.
- Conduct a full process capability study.

## MSA - MEASUREMENT SYSTEM ANALYSIS

- To explain various sources of measurement system uncertainty.
- To conduct measurement system studies including assessment of linearity, stability, repeatability, and reproducibility.
- To define ways to improve measurement systems.
- To understand and implement a gage management and calibration system.



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