Quality LearningHub & Consultancy Singapore
22 Sin Ming Lane, #06-76 Midview City
Singapore 573969
Tel: (65) 6502 8238
Email: carina@qualitylearninghub.com.sg
Website: www.qualitylearninghub.com.sg

Advanced Product Quality Planning (APQP) and Production Part Approval Process (PPAP)

Introduction:

The Advanced Product Quality Planning (APQP) is a structured process for improving the quality of processes, products, and the overall quality system. It is a method of determining project feasibility based on identified critical characteristics in part design weighed against manufacturing capabilities. Cross functional team input helps to eliminate the possibility of failures from the prototype phase through production launch. APQP is designed to help organizations effectively plan the design and development of a new product. APQP sets out a clear path for planning, implementing and verifying a process.

PPAP is used in the automotive supply chain to establish confidence in component suppliers and their production processes, by demonstrating that all customer engineering design record and specification requirements are properly understood by the supplier and that the process has the potential to produce product consistently meeting these requirements during an actual production run at the quoted production rate.

APQP and PPAP are not only commonly used, and required, in the Automotive Industry they also are incorporated into customer specific requirements of IATF 16949:2016.

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

Course Objectives:

- To understand the fundamental principle, purpose and knowledge of APQP, Control Plans and PPAP
- To provide an understanding of their interrelationship and applications
- To understand the application of APQP & PPAP and its intent in the IATF 16949:2016
- Managing timelines and meeting customer expectations
- To identify potential gaps in the current system and what may need to be addressed

Quality LearningHub & Consultancy Singapore
22 Sin Ming Lane, #06-76 Midview City
Singapore 573969
Tel: (65) 6502 8238
Email: carina@qualitylearninghub.com.sg
Website: www.qualitylearninghub.com.sg

Course Contents:

APQP

- Fundamentals of APQP and customer-focused process approach
- Plan and Define Phase
- Product Design and Development Phase
- Process Design and Development Phase
- Product and Process Validation
- Feedback, Assessment and Corrective Action
- Control Plan and terminology
- Best Practices Sharing

PPAP

- PPAP purpose and scope
- Submission Requirements
- Submission Levels Requirements
- Control Plan
- Approval Status and Record

Who Should Attend:

Personnel directly involved in process control including Production Manager and Supervisors, SPC Coordinators, Process Engineers, Quality Personnel, Operators and Maintenance. It is also beneficial for those involved in the IATF 16949 quality system.

Award of Certificate:

Participants will be issued with a Certificate of Successful Completion upon meeting 75% of the required course attendance.

Duration:

1 day (7 hours)

Course Fee:

$300 nett per trainee (GST is not applicable).

(Course fee is inclusive of all training materials and light refreshments.)