



**CQE Training & Consultancy Plt** (Reg No. : LLP 0003668 LGN)

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# Advance Product Quality Planning (APQP) 2<sup>nd</sup>. Edition (IN HOUSE/PUBLIC TRAINING PROGRAMME)



SBL  
Scheme

## Introduction

The Second Edition of Advanced Product Quality Planning (APQP) reference manual and reporting format were developed by the Advance Product Quality Planning and the Control Plan teams that were sanctioned by Daimler-Chrysler, Ford Motor Company and General Motor Supplier Quality requirements task force and **released in 21<sup>st</sup>. July 2008**. The APQP manual provides general guidelines for ensuring the Advanced Product Quality Planning is implemented in accordance with the requirements of the customer. It does not give specific instructions on how to arrive at each APQP or Control Plan entry. These guidelines are intended to cover most situations that can normally occur in the early planning or design phases, or during process analysis..

The task force main responsibility and charter is **to standardize and harmonize** the reference manuals, procedures, reporting formats, and technical nomenclature used by Daimler-Chrysler, Ford Motor Company and General Motors in their respective supplier quality systems. APQP is a structured method of defining and establishing the steps necessary to assure that product satisfies customer requirements. The goals of product quality planning is to facilitate communication with everyone involved to assure that all required steps are completed on time and meeting requirements. **An effective product quality planning depends on a company's top management commitment to the effort required in achieving customer satisfaction.** Defining scope, planning, product design and development, feasibility study, process design and development, product and process validation, feedback, assessment and corrective action, control plan methodology and continual improvement are parts of an effective APQP.



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**Also available as  
in-house programme.**

## Learning Outcomes/Objectives

Upon return to workplace, participants will be able to:-

- + Have an in-depth understanding about Advance Product Quality Planning (APQP).
- + Clear understanding of the requirements of APQP and its four stages approach.
- + Implement and comply to requirements of APQP.
- + Application of Control Plan and Its Methodology.
- + Differences between the 1<sup>st</sup>. and 2<sup>nd</sup>. Edition.
- + Major changes in APQP 2<sup>nd</sup>. Edition.
- + Impacts of the changes to current QMS, Research, Design & Development Processes.
- + How to address the new changes and/or any customer specific requirements.

## Program Contents

### Day 1

1. Introduction and Evolution of Advance Product Quality Planning (APQP) with reference to QS-9000 and ISO/TS16949 standards.
2. Generic information about APQP
  - Responsibility Matrix
  - Fundamentals of Product Quality Planning
  - Product Quality Planning Timing Chart (Plan-Do-Study-Act)
3. APQP – Plan and Define Program (PLAN)
  - Voice of Customer
  - Management Support
  - Business Plan / Marketing Strategy
  - Product and Process related Activities
4. APQP – Product Design and Development (DO)
5. APQP – Process Design and Development (DO)
6. APQP – Product and Process Validation (STUDY)
7. APQP – Feedback, Assessment and Corrective Action (ACT)
8. APQP – Control Plan Methodology
9. Major Changes in APQP 2<sup>nd</sup>. Edition
10. The impacts of the changes to current Automotive QMS



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## Who Should Attend

**F**or Executives, Engineers and IQA Auditors up to Managers responsible for QMS implementation and deployment, Research, Design & Development Executives and Engineers in any automotive relevant organization.

## Methodology

- ◇ Course Notes
- ◇ OHP / LCD
- ◇ Case Study / Group Activities
- ◇ Lecturettes

## Duration

1 Day

