

ADVANCED PRODUCT QUALITY PLANNING & PRODUCTION (APQP) AND PRODUCTION PART APPROVAL PROCESS (PPAP)



Objectives

This course will enable the participants to:

- Understand the fundamental principle and knowledge of APQP as describe by DaimlerChrysler, Ford and General Motor
- Understand the application of APQP and its intent in the IATF 16949 system
- Understand the requirements of the PPAP requirements
- Understand the process of developing and producing a package that meets PPAP requirements

Duration

2 days | 9am – 5pm | 14 hours

Who should attend

This course is suitable and benefit to anyone involved in maintenance, marketing, design, and process control and improvement activities and also particularly for individual that is responsible for planning, developing or managing a quality system to satisfy the QS 9000 or IATF 16949 quality system requirements.

Entry Requirement

Participants should have a basic knowledge of quality and manufacturing concepts

Course Fees

Member: S\$537.84

Non-Member: S\$563.76

Registration Fee of S\$17.28 apply

SDF funding & SkillsFuture applicable

All fees stated are inclusive of 8% GST

Award of Certificate

Certificate of Completion will be issued to participants who have attended at least 75% of the course.



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Course Contents

APQP

1. Fundamentals of APQP and the 5 steps approach
2. Plan and Define Phase
3. Product Design and Development Phase
4. Process Design and Development Phase
5. Product and Process Validation
6. Feedback, Assessment and Corrective Action

APQP INTRODUCTION

Many organisations are struggling with the concept of advanced quality planning and how to incorporate this methodology into existing framework.

Published jointly by DaimlerChrysler, Ford and General Motor, advanced product quality planning is required in the IATF16949 Quality Systems Requirements manual, but it can be used for virtually any other system. Product Quality Planning is a structured method of defining and establishing the steps necessary to assure that a product satisfies the customer.

PPAP

7. PPAP purpose and scope
8. Submission Requirements
9. Submission Levels Requirements
10. Approval Status and Record

PPAP INTRODUCTION

Production Part Approval Process (PPAP) is one of the required procedural manuals of the IATF 16949 Quality System. It was developed by the Quality and Part Approval staffs at Daimler Chrysler, Ford, and General Motors, working under the auspices of the Automotive Division of the American Society for Quality (ASQ) and the Automotive Industry Action Group (ALAG).

The intent is to determine if 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.



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- ~ Organisation membership
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SQI is a World Partner of the American Society for Quality (ASQ); and a Board Member of both the Asian Network for Quality (ANQ) and the World Alliance for Chinese Quality (WACQ).

