

COURSE TITLE

AEROSPACE STANDARD
AS9145 (2016)
REQUIREMENTS FOR
ADVANCED PRODUCT
QUALITY PLANNING
APQP & PRODUCTION
PART APPROVAL
PROCESS PPAP

Introduction

The 9145 standard was created to define the aviation, space, and defense process requirements for Advanced Product Quality Planning (APQP) and Production Part Approval Process (PPAP). The APQP aspects of this standard define a methodology for ensuring that the product development processes deployed throughout the aviation, space, and defense industries are fully integrated phased processes that extend from concept and design through manufacturing process planning and execution, and on into product use, service, and customer feedback.

Course Fee

Member: S\$782.62

Non-Member: S\$867.64

All fees stated are inclusive of Registration Fee and 9% GST

OBJECTIVES

- This course equips the participants with the basic knowledge and skills to interpret and to integrate the requirements in their current Quality systems effectively.
- Essential techniques will be acquired to implement APQP & PPAP activities.
- Participants will be able to conduct their internal audit effectively taking into the application of APQP & PPAP into their quality systems.



**SINGAPORE
QUALITY
INSTITUTE**

WHO SHOULD ATTEND

This program is designed for Top and Middle level management and any other personnel who are involved in the interpretation and application of APQP and PPAP and other related technical core tools and documents.

The appointed auditees are also recommended to attend the above program with a view to equip them with the necessary audit know-how and audit checklists in preparing for their internal and external audits exercise effectively.

2026

Course Brochure

AEROSPACE
STANDARDS
COURSES
– AS9145 (2016)
REQUIREMENTS
FOR APQP & PPAP

COURSE CONTENTS

DAY ONE: Interpretation and Application of APQP

- introduction
- Scope
- References
- Terms and Definitions
- Advanced Product Quality Planning Requirements
 - General Requirements
 - Advanced Product Quality Planning Project Management
 - Phase 1 Requirements - Planning
 - Phase 2 Requirements - Product Design and Development
 - Phase 3 Requirements - Process Design and Development
 - Phase 4 Requirements - Product and Process Validation
 - Phase 5 Requirements - On-going Production, Use, and Post-Delivery Service
- Class-room Assignments & Discussion
 - Review, Develop and Discuss APAP Table 1 & Table B1

Day TWO: Interpretation and Application of PPAP

- Production Part Approval Process (PPAP) Requirements
 - Process Requirements for Production Part Approval Process (PPAP)
 - PPAP File and Submission
 - PPAP Disposition
 - PPAP Re-submission
- Class-room Assignments & Discussion
 - Conduct MSA
 - Review, Develop and Discuss PPAP Table 2 & Table B4

TRAINER

This course is conducted by Chartered Quality Professional Trainer - Fellow Member of the Chartered Quality Institute (FCQI CQP, UK).

AWARD OF CERTIFICATE

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

DURATION

2 days
9am - 5pm
14 hours



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