

APQP (Advanced Product Quality Planning) AIAG 3rd Edition 2024 for Practitioners

Objective

The objective of this course is to equip participants with a comprehensive understanding of the Advanced Product Quality Planning (APQP) process, as aligned to the latest AIAG APQP Third Edition 2024. This training will provide participants with the knowledge and skills necessary to effectively plan, implement, and manage quality control processes throughout the product development lifecycle. The course emphasizes risk mitigation, enhancing communication across functions, and ensuring timely delivery of high-quality products that meet customer expectations.

Content

- Introduction to APQP and its significance in product development
- Overview of APQP Framework and IATF Alignment
- Initial APQP Activities
- Implementation of Gated Management Framework
- Detailed implementation & execution of the five phases of APQP:
 - Phase 1: Planning and Definition
 - Phase 2: Product Design and Development
 - Phase 3: Process Design and Development
 - Phase 4: Product and Process Validation
 - Phase 5: Launch, Feedback, and Continuous Improvement

Duration

2 Days

Assessment

Participants will complete:

- A multiple-choice knowledge assessment
- A GAP Analysis-based group APQP exercise

Successful candidates will receive a Certificate of Competence.

Pre-requisites

Participants should have a basic understanding of manufacturing processes and quality management concepts. Experience in product development or process engineering is beneficial, though not mandatory.

Target Audience

- Engineers
- Quality professionals
- Project managers
- Personnel involved in the product development process

Training Methodology

The course uses a combination of:

- Instructor-led presentations
- Interactive group discussions and feedback
- Group-Based Application – Each module will conclude with collaborative practical exercises, reinforcing key concepts.