

APQP for Automotive Course Outline

Lesson 1 | Overview of AIAG APQP 3rd Edition

- Explain the purpose of the APQP process.
- Describe the five phases of the APQP process.
- Understand the steps necessary to prepare for APQP

Lesson 2 | Phase 1: Plan and Define

- Describe the purpose and objectives of Phase 1.
- Explain how customer needs and expectations can be translated into a value-added (and competitive) offering.
- Become familiar with the design, reliability and quality goals of Phase 1.

Lesson 3 | Phase 2: Product Design and Development

- The design of the product is fleshed out.
- After the design is verified, a prototype is built, specifications developed and inputs for the process design are generated.

Lesson 4 | Phase 3: Process Design and Development

- Describe how the conceptual product direction from Phase 1 is formalized into a detailed design.
- Become familiar with how compiled outputs of Phase 2 become the foundation for a comprehensive design of the process.

Lesson 5 | Phase 4: Product and Process Validation

- Describe the information and data needed to develop a detailed design of the process.
- Become familiar with how the detailed process design will set the stage for product and process validation.

Lesson 6 | Phase 5: Feedback Assessment & Corrective Action

- Describe how inputs are collected and compiled for improving the product and process.
- Explain techniques reducing common cause variation, addressing customer satisfaction issues, improving delivery and service issues and applying lessons learned.

Lesson 7 | Recap of the APQP process

- Review a summary of the major elements and benefits of the APQP process.

Challenge

- An assessment of the learner's progress in this course.