

## **Advance Product Quality Planning APQP and Production Part Approval Process PPAP training**

Training conducted in accordance with the guidelines of the AIAG APQP Manual, 3rd Edition  
– March 2024.

Training agenda:

### **1. Introduction to APQP**

Overview of Advanced Product Quality Planning and its significance in product development.

### **2. APQP Requirements in Relation to IATF 16949:2016**

Understanding how APQP aligns with the IATF 16949:2016 standards.

### **3. Managing Customer-Specific Requirements**

Strategies for identifying, implementing, and maintaining requirements unique to each customer.

### **4. Documentation Requirements:**

- CAD Data
- Feasibility
- Drawings, Measurement Concepts

### **5. APQP Tools**

**6. APQP Lifecycle** – Design, Development, Product and Process Validation, Corrective Actions

**7. APQP Elements** – Flow Chart, PFMEA, and Control Plan

### **8. Critical Characteristics**

### **9. PPAP – Production Parts Approval Process:**

- Packaging Development
- Materials, Tools, and Measurements
- MSA and Special Characteristics
- Flow Chart, FMEA, and Control Plans
- Capability Study

- Production Approval
- Preparation of Samples for Approval
- R&R Application, Requirements, and Levels of the PPAP Process
- PPAP Connection with the APQP Cycle
- PPAP in the Context of IATF 16949:2016
- Levels and Status of PSW Transmission
- Filling Out Typical Forms
- Customization (Specific Customer Requirements)
- Notifying the Customer About Changes

**Participants will learn:**

- **Understanding** of automotive industry standards and regulations related to **APQP and PPAP**.
- **Knowledge** of APQP phases, PPAP elements, and their importance in product quality planning and control.
- **Ability** to develop and implement effective APQP and PPAP processes **within the organization**, from project planning and program definition to product and process validation, feedback, assessment, and corrective actions.
- **Ability** to identify and mitigate risks and failures at various stages of product development.
- **Understanding** the importance of cross-functional collaboration and teamwork in the successful implementation of **APQP and PPAP**.

- **Knowledge** of best practices for continuous improvement and ongoing monitoring of product quality and customer satisfaction.
- **Confidence** in leading or participating in **successful APQP and PPAP implementation projects within the organization**.
- **Improved communication skills** and the ability to effectively collaborate with internal and external stakeholders in the product quality planning and control process.

**Benefits for the company:**

- **Improved product quality** – APQP and PPAP processes help companies identify and mitigate risks and failures early in the product development process, leading to better product quality and fewer defects.
- **Increased customer satisfaction** – Ensuring that products meet customer requirements and expectations enhances overall customer satisfaction.
- **Reduced costs** – APQP and PPAP processes help identify and address potential issues early, preventing costly rework, scrap, and warranty-related recalls.
- **Improved efficiency** – Streamlining product development and approval processes enhances operational efficiency.
- **Ensured compliance** – Meeting industry standards and regulations related to product quality and safety.
- **Competitive advantage** – Delivering high-quality products to market faster and more efficiently than competitors.
- **Optimized launch plans** – Better planning and execution of new project launches.
- **Familiarity with essential techniques and tools** – Equipping teams with the necessary skills to support continuous improvement.

**Actual dates can be found directly on our website.**

**Price Includes:**

- Training participation
- Training materials
- Certificate of completion

**Duration:**

2 days