

AS9100:2016 RevD Foundations

BACKGROUND

The AS9100:2016 Foundations course provides a comprehensive introduction to the aerospace quality management system (AQMS) and the key requirements of the AS9100:2016 standard. Designed for individuals who are new to aerospace quality management or seeking a structured understanding of the standard, the course explores the principles, structure, and operational impact of AS9100 within aerospace organisations.

Participants will develop a clear understanding of how AS9100 supports product safety, risk management, configuration control, and operational reliability across the aerospace supply chain. Through structured learning and practical discussions, the course explains how the requirements of AS9100 integrate with organisational processes and how they support consistent product and service quality.

LEARNING OBJECTIVES

By the end of this course, participants will be able to:

- Understand the structure, purpose, and key requirements of the AS9100:2016 aerospace quality management system standard
- Explain how AS9100 integrates with ISO 9001 and the wider aerospace quality framework
- Recognise the principles of process-based management and risk-based thinking within an aerospace organization
- Interpret the key clauses of AS9100 and their practical application within operational processes
- Identify aerospace-specific requirements such as product safety, counterfeit parts prevention, configuration management, and operational risk management.
- Understand how organisations implement and maintain an effective aerospace quality management system.
- Contribute to continual improvement by recognising how AS9100 requirements support organisational performance and customer confidence.

AGENDA

- Introduction to Aerospace QMS
- IAQG Structure and the Aerospace Certification Framework
- High Level Structure and Process Approach
- Overview of AS9100:2016 Requirements (Clause-by-Clause)
- Aerospace-Specific Requirements and Industry Expectations
- Applying AS9100 within Organisational Processes
- Risk-Based Thinking and Product Safety
- Maintaining and Improving a QMS

ADDITIONAL INFORMATION

- **Duration:** 1 Day
- **Format:** Trainer-led (in-person or virtual)
- **Audience:** Individuals new to AS9100, quality professionals, engineers, managers, and personnel involved in aerospace quality management systems.
- **Standards:** AS9100:2016 (RevD), ISO 9001:2015