KOENIG SOLUTIONS · COURSE OUTLINE

AS9100D AQMS: Internal Auditor & Lead Auditor

Learn to interpret, audit and lead assessments of aerospace quality management systems against AS9100D requirements.

7 Days	14	54
ACROSS 4 COURSES	MODULES	TOPICS

COURSE OVERVIEW

This course covers the structure and aerospace-specific requirements of AS9100D, including its clauses on context, leadership, risk, operations and performance, and compares it with ISO 9001. It then builds internal auditing skills, covering ISO 19011 principles, auditor roles and ethics, clause-wise audit interpretation, auditing operations, and writing nonconformities and reports. It progresses to lead auditor responsibilities, including certification scheme requirements, audit programme management, stage 1 and stage 2 audits, interviewing and sampling, managing audit teams, and validating corrective actions. It concludes with an executive perspective on leadership accountability, governance, operational oversight and management review under AS9100D.

WHO THIS COURSE IS FOR

- **Internal Auditors**
- **Lead Auditors**
- **Quality Managers**
- **Supplier Quality Engineers**
- **Top Management**
- **Quality Assurance Professionals**

LEARNING OBJECTIVES

- Explain the structure and clauses of AS9100D
- Compare AQMS requirements against ISO 9001
- Apply risk-based thinking to management and planning clauses
- Identify audit principles and auditor roles under ISO 19011
- Conduct clause-wise audits including operations and supply chain
- Write nonconformities and audit reports
- Plan and lead stage 1 and stage 2 audits
- Evaluate corrective actions and root cause analysis

COURSE SYLLABUS

14 Modules, 54 Topics

COURSE 1

AS9100D – Understanding the Requirements for AQMS

1 day (Awareness / Foundation)

Quick but solid understanding of AS9100D structure, aerospace-specific requirements, and key differences from ISO 9001.

01

Session 1: Aerospace AQMS Overview

TOPICS

- Aerospace industry & regulatory landscape (FAA, EASA, IAQG)
- Purpose and evolution of AS9100D
- AQMS vs ISO 9001

02

Session 2: Structure of AS9100D

TOPICS

High Level Structure (Annex SL) · Clauses 1-3 overview · Key aerospace terms & definitions

03

Session 3: Management & Planning Requirements

TOPICS

Context of organization (Clause 4) · Leadership & accountability (Clause 5) · Risk-based thinking (Clause 6)

04

Session 4: Operational & Performance Focus

TOPICS

- Support & documented information (Clause 7)
- **Operations overview (Clause 8):** product safety, counterfeit parts, supplier control
- Performance evaluation & improvement (Clauses 9 & 10)

05

Wrap-up

TOPICS

Key compliance risks · ISO 9001 vs AS9100D comparison · Knowledge check / discussion

COURSE 2 AS/EN/JISQ 9100D Internal Auditor Course — 2 days

Enable participants to plan, conduct, and report internal audits against AS9100D.

06

Day 1: AQMS & Audit Fundamentals

TOPICS

- Overview of AS9100D clauses
- ISO 19011 audit principles
- Auditor roles, ethics & competence
- Clause-wise audit interpretation (Clauses 4-7)
- Risk-based audit approach

07

Day 2: Operational Auditing & Practice

AUDITING CLAUSE 8 (OPERATIONS)

Product safety · Configuration management · Supplier & counterfeit parts control

Performance evaluation & improvement audits · Writing nonconformities & corrective actions · Audit reporting

COURSE 3 AS/EN/JISQ 9100D Lead Auditor Course — 3 days

Prepare participants to lead AQMS audits, manage audit teams, and handle complex aerospace audit situations.

08

Day 1: Lead Auditor Framework

TOPICS

IAQG certification scheme overview · AS9100D clause deep dive · ISO 19011 & ISO/IEC 17021 overview · Lead auditor roles & responsibilities

09

Day 2: Audit Planning & Execution

TOPICS

- Audit program management
- **Stage 1 audit:** readiness & planning
- Stage 2 audit execution
- Interviewing & sampling techniques
- Auditing Clause 8 (operations & supply chain)

10

Day 3: Leadership, NCRs & Assessment

TOPICS

Managing audit teams · Writing major & minor NCRs · Root cause & corrective action validation · Audit reporting & closing meetings · Case study discussion

COURSE 4 AS/EN 9100D Quality Management Systems – Executive Program

1 day

Enable top management to understand their leadership, governance, and strategic responsibilities under AS9100D.

11

Session 1: Aerospace Business & Strategy

TOPICS

Aerospace risks & regulatory expectations · Strategic importance of AS9100D · Customer & stakeholder confidence

12

Session 2: Leadership & Governance

TOPICS

Leadership accountability · Risk-based governance · Compliance & ethical culture · Product safety ownership

13

Session 3: Operational Oversight

TOPICS

Supplier & supply chain risk · Configuration & change governance · Performance KPIs & dashboards

14

Session 4: Performance & Future Outlook

TOPICS

Management reviews · Handling major audit findings · AQMS, digitalization & future trends · Executive action roadmap

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training | Live Online Classes (ILO) | Fly-Me-A-Trainer (FMAT) | Flexi (Self-Paced) | 1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

Visit koenig-solutions.com | info@koenig-solutions.com