The AS9100 Standard for Aerospace Quality Training Course

Professional Development Training Course Outline

Category	Quality Assurance and ISO standards	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

AS9100 Standard for Aerospace Quality Training course is designed to provide participants with an in-depth understanding of aerospace quality management systems, compliance frameworks, and process improvement strategies. As a globally recognized quality standard, AS9100 ensures consistent safety, reliability, and performance in the aerospace industry. This course equips learners with the knowledge and skills needed to implement, audit, and maintain AS9100 within organizations seeking sustainable excellence and competitiveness in a global marketplace.

With a strong focus on quality assurance, continuous improvement, and regulatory alignment, this training program highlights best practices and practical applications relevant to aerospace manufacturing, engineering, and supply chains. Participants will explore trending topics such as risk-based thinking, supplier management, process auditing, and organizational performance optimization. This course not only enhances individual competency but also drives organizational transformation through effective quality strategies.

Programme Curriculum

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Course Objectives

1. Understand the principles of aerospace quality management systems.
2. Interpret and apply the AS9100 requirements to aerospace organizations.
3. Explore risk-based thinking and its role in aerospace quality compliance.
4. Identify key quality assurance practices in aerospace supply chains.
5. Conduct internal audits aligned with AS9100 standards.
6. Implement corrective and preventive actions for continual improvement.
7. Apply regulatory compliance requirements in aerospace quality systems.
8. Enhance supplier evaluation and performance monitoring techniques.
9. Strengthen document control and records management processes.
10. Integrate process-based approaches in aerospace operations.
11. Develop strategies for organizational safety and product reliability.
12. Gain practical insights through aerospace industry case studies.
13. Build leadership skills for driving aerospace quality excellence.

Organizational Benefits

1. Strengthened compliance with international aerospace standards.
2. Improved product quality and customer satisfaction.
3. Enhanced operational efficiency and productivity.
4. Reduced risks and nonconformities across processes.
5. Increased competitiveness in global aerospace markets.
6. Better supplier performance and collaboration.
7. Streamlined quality management documentation.
8. Stronger safety and reliability assurance.
9. Improved organizational reputation and credibility.
10. Empowered workforce with specialized aerospace quality skills.

Target Audiences

1. Quality Managers and Quality Engineers
2. Aerospace Manufacturing Professionals
3. Internal Auditors and Compliance Officers
4. Supply Chain Managers and Procurement Specialists
5. Project Managers in Aerospace Organizations
6. Regulatory and Compliance Specialists
7. Engineering Managers and Technical Leads
8. Business Leaders and Senior Executives

Course Duration: 5 days

Course Modules

Module 1: Introduction to AS9100 Standard

- Overview of aerospace quality standards
- Historical development of AS9100
- Importance of aerospace compliance
- Key requirements of AS9100
- Benefits for aerospace organizations
- Case Study: Evolution of AS9100 in global aerospace

Module 2: Quality Management Principles

- Core principles of quality management
- ISO 9001 alignment with AS9100
- Understanding customer focus in aerospace
- Leadership and quality culture development
- Continual improvement practices
- Case Study: Quality principles applied in aircraft manufacturing

Module 3: Risk-Based Thinking in Aerospace

- Risk identification methods
- Mitigation strategies for aerospace operations
- Failure Mode and Effects Analysis (FMEA)
- Role of risk-based thinking in AS9100
- Linking risk to process performance
- Case Study: Risk management in aerospace supply chains

Module 4: Process-Based Approaches

- Understanding aerospace process mapping
- Process performance measurement
- Integration of quality into operational processes
- Continual monitoring and evaluation
- Standardized documentation approaches
- Case Study: Process-based approaches in aerospace design

Module 5: Documentation and Records Management

- Importance of controlled documentation
- Requirements for records management
- Document approval and change control
- Digital systems in document management
- Audit trails for aerospace organizations
- Case Study: Document control in large aerospace projects

Module 6: Internal Auditing Practices

- Basics of aerospace auditing
- Planning and preparing for audits
- Auditor responsibilities and ethics
- Conducting AS9100 audits
- Reporting and follow-up actions

- Case Study: Internal audit findings in aerospace firms

Module 7: Supplier Management

- Supplier evaluation and selection
- Monitoring supplier performance
- Risk assessment in supplier management
- Collaboration and partnership models
- Handling supplier nonconformities
- Case Study: Supplier relationship management in aerospace

Module 8: Continuous Improvement and Corrective Actions

- Identifying opportunities for improvement
- Root cause analysis tools
- Corrective and preventive action plans
- Implementing improvements in aerospace quality
- Monitoring the effectiveness of actions
- Case Study: Corrective actions improving aerospace safety

Training Methodology

- Interactive instructor-led sessions with real-world aerospace examples
- Group discussions and peer-to-peer learning exercises
- Practical case studies for applied learning
- Hands-on activities with aerospace documentation and processes
- Simulated audit exercises and role-play scenarios
- Continuous feedback and assessments for improved understanding

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com