ISO 9001 Lead Auditor – Aviation Sector

14 – 18 December 2026
Barcelona (Spain)



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Ref: 3255524_344002 **Date:** 14 – 18 December 2026 **Location:** Barcelona (Spain) **Fees:** 5900 GBP

Introduction

The ISO 9001 Lead Auditor - Aviation Sector course is designed to equip professionals with the practical knowledge and core competencies needed to conduct effective Quality Management System QMS audits within aviation environments, in line with ISO requirements.

This course enables participants to confidently plan, manage, and perform both internal and external ISO 9001 audits in aviation organizations, following the guidance of ISO 19011 and the requirements of ISO/IEC 17021-1.

The training addresses the unique nature of aviation quality systems, operational risks, and regulatory frameworks. It covers a wide range of aviation entities, including airlines, airports, MRO organizations, aviation authorities, and aviation service providers. Through hands-on exercises and aviation-focused case studies, participants develop the ability to lead audit teams, engage effectively with stakeholders, and manage audit outcomes in complex operational settings.

Course Objectives

This course is structured to build strong, aviation-specific ISO 9001 auditing competence. By the end of the training, participants will be able to:

- Understand the structure and functioning of quality management systems within aviation organizations in accordance with ISO 9001.
- Interpret ISO 9001 requirements as they relate to aviation operations, maintenance activities, safety interfaces, and service delivery.
- Identify the link between ISO 9001, aviation regulatory requirements, and relevant industry standards.
- Plan, conduct, lead, and follow up on ISO 9001 audits in aviation organizations in line with ISO 19011.
- Lead aviation-focused audit teams and communicate effectively with operational and technical personnel.
- Prepare professional audit reports, manage nonconformities, and support continuous improvement in aviation QMS.



Course Outlines

Day 1: Aviation Quality Management Systems and ISO 9001

- Overview of ISO 9001 and its application in the aviation sector.
- Understanding Quality Management Systems in aviation organizations.
- The ISO 9001 audit framework and its relevance to aviation operations.
- Quality management principles and continuous improvement in aviation.
- The interaction between quality, safety, and operational performance.

Day 2: Audit Principles and Audit Preparation in Aviation

- Core audit principles and auditing concepts applied to aviation organizations.
- Risk-based and evidence-based auditing approaches.
- Audit planning, including Stage 1 and Stage 2 aviation QMS audits.
- Preparing for on-site audits across aviation operations and support functions.

Day 3: Conducting On-Site Aviation Audits

- Performing on-site audits in aviation operational environments.
- Developing aviation-specific audit plans, checklists, and test methods.
- Collecting and evaluating audit evidence in technical and operational areas.
- Writing audit findings and nonconformity reports aligned with ISO 9001.

Day 4: Audit Closure and Audit Program Management

- Finalizing audit documentation and performing quality reviews.
- Conducting closing meetings and managing corrective action follow-up.
- Managing an ISO 9001 audit program within aviation organizations.
- Evaluating auditor competence and overall audit effectiveness.

Day 5: Practical Workshops and Case Studies

- Aviation-based audit simulations and role-play exercises.
- Review of common nonconformities in aviation quality management systems.
- Best practices for driving continuous improvement in aviation organizations.
- Open discussions, lessons learned, and practical implementation guidance.

Why Attend This Course: Wins & Losses!

This course is ideal for professionals seeking advanced ISO 9001 auditing skills within the aviation sector. Key benefits include:



- Clear understanding of how ISO 9001 is applied in aviation operational and support environments.
- Practical, hands-on audit experience through real-world aviation scenarios.
- Enhanced career opportunities in aviation quality, compliance, and audit roles.
- Comprehensive coverage of the full ISO 9001 audit lifecycle.
- Direct applicability of auditing techniques to real aviation challenges.

Conclusion

The ISO 9001 Lead Auditor - Aviation Sector course offers a comprehensive and practical approach to developing advanced auditing capabilities tailored specifically to the aviation industry. It provides participants with the tools, techniques, and confidence required to lead ISO 9001 audits that support compliance, operational excellence, and continuous improvement.

Upon completion, participants will be fully prepared to plan, conduct, and manage ISO 9001 audits in aviation environments, contributing to stronger Quality Management Systems and improved organizational performance.

