APEX
QUALITY ASSURANCE

**1-Day (8 CPD Hours)**

# AS9102 Rev C

## First Article of Inspection

**Aerospace Quality Management Systems**

**Register by phone**
919-635-5581

**Register online**
www.apexqualityassurance.com

# At A Glance

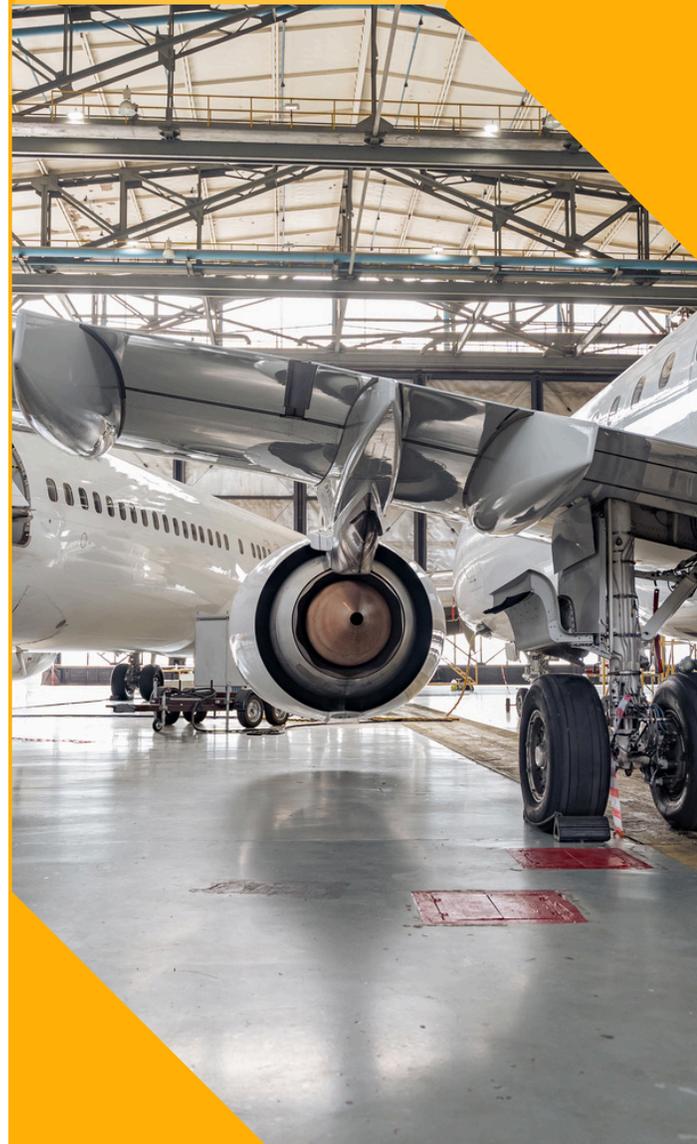## AS9102 Rev C First Article of Inspection Training

Born from the collaborative efforts of the aviation, space, and defense industry's International Aerospace Quality Group (IAQG), the AS9102 Rev C First Article Inspection standard stands as a testament to shared commitment towards quality, safety, and cost efficiency across the entire value stream.

Applicable to all tiers of the global supply chain, this standard establishes a unified approach to first article inspection (FAI) processes and documentation. This harmonization ensures consistent verification of all aviation, space, and defense products, regardless of their origin.

By streamlining processes and eliminating organization-specific variations, AS9102 Rev C unlocks three key benefits:

- Enhanced Quality: Rigorous first article inspections minimize defects and non-compliance issues, fostering a culture of quality throughout the supply chain.
- Improved Schedule Performance: Clear and consistent procedures lead to reduced delays and disruptions, ensuring products reach their destinations on time.
- Optimized Cost Efficiency: Elimination of redundant activities and broader adoption of best practices contribute to cost savings for all stakeholders.

Our training provides an overview, distributes knowledge, and arranges group exercises. You will be given group exercise case studies with examples from the aerospace industry will be used to help attendees gage where their QMS's has potential gaps and help meet their specific needs.

# Who Should Attend

The primary intent of this new standard is to improve overall product quality. No previous experience required. Manager or QA department employee responsible to perform the first article of inspection process: i.e. production, manufacturing engineering.

An understanding of both ISO 9001:2015 and AS9100 Rev D requirements and/or work experience in applying AS9100:2016 is recommended.

# Seminar Goals

- Navigate the AS9102: Gain crystal-clear understanding of when and how to apply the standard, ensuring seamless integration into your existing processes.
- Form Mastery: Develop the expertise to confidently complete all AS9102 forms accurately and efficiently, saving time and reducing errors.
- Deeper Standard Appreciation: Elevate your comprehension of the international standard, fostering a comprehensive understanding of its nuances and implications.
- Bridge the Gap: Learn to effectively interpret and apply the standard's requirements, seamlessly bridging the gap between AS9102 and your organization's established Standard Operating Procedures (SOPs).
- Reduce uncertainty: Eliminate confusion about when and how to use AS9102, ensuring consistent and compliant implementation.
- Boost efficiency: Master the completion of AS9102 forms, streamlining your FAI process and saving valuable time.
- Improve quality: Deeper understanding of the standard leads to more effective inspections, enhancing overall product quality.

# Agenda Overview

- Introduction: Course objectives, purpose of FAI, proper application.
- When to Use AS9102: Mandatory vs. non-mandatory situations.
- AS9100 Requirements: Alignment with the overall Quality Management System (AQMS).
- Alternatives to FAI: Risk assessment, production capacity, control plans, supplier control.
- IAQG and Standards Development: Understanding the industry context.
- AS9102 Terminology: Definitions and terminology game.
- AS9102 Rev C Requirements: Detailed review, completing the FAIR (Appendix B).
- Required, Conditionally Required, Optional Boxes: Explanation and application.
- Forms Review: Specific requirements for each form and box.
- FAIR Reporting and Evidence: Understanding what's needed.
- Completed Forms Evaluation: Analyzing examples of Forms 1, 2, and 3.
- FAI Process Planning, Activities, Documentation: Essential steps for efficient execution.
- Good Practices for FAIRs: Best practices for completion and review.
- Evaluating Drawings & Documenting Evidence: In-class exercise.
- Reviewing Completed FAIRs: Group exercise to analyze existing reports.
- Completing Forms from Source Documents: Extracting information and presenting it correctly.
- Case Study: Full FAI Report: Completing a report using various documents.
- Case Study: Missing Information and Evidence: Identifying and addressing gaps.
- FAIR Checklist: Reviewing and approving FAIRs (both internal and supplier).

*Attendees successfully completing the examinations provided in conjunction with this course receive a Certificate of Completion from APEX Quality Assurance as well as 8 hours' worth of CPD credits. The Certificate of Completion provides evidence of knowledge competency as a Quality Management Systems Auditor.*