First Article Inspection

Background

The Aerospace First Article Inspection (FAI) training course comprehensively explains the AS9102 standard. This standard ensures that production processes are validated to consistently produce parts that meet all specified design, engineering, and quality requirements. Participants will gain insight into the importance of FAI in maintaining aerospace manufacturing quality and compliance, including updates in AS9102 Rev C. The course emphasizes the role of FAI in verifying production readiness, identifying nonconformances, and ensuring repeatable manufacturing processes.

Learning Objectives

By the end of this course, participants will be able to:
- Explain the purpose and key principles of First Article Inspection (FAI) as defined in AS9102.
- Understand when FAI is required, including scenarios involving new production parts, design changes, or manufacturing process updates.
- Plan and document FAI processes, including the management of Digital Product Definitions (DPD).
- Handle nonconformances and understand the steps for corrective actions in the context of FAI.
- Complete and review AS9102 Forms 1, 2, and 3 with confidence.
- Distinguish between partial and full FAI requirements, particularly in cases of minor and major changes.
- Apply best practices for retaining documented information, including digital and electronic documentation enhancements.

Agenda

1. Introduction to FAI
2. Requirements for First Article
3. DPD Requirements
4. Nonconformance Handling
5. Documentation and Forms
6. Minor and Major Changes

Additional Information

- 1 day