# AS9100 RISK MANAGEMENT TRAINING

**Course Title:** AS9100 Risk Management Training

**Course Validity:** 2 Days

**Validity:** Not Applicable

**HRD Corp Scheme:** Claimable

## INTRODUCTION

This training provides participants with an in-depth and practical understanding of risk management within AS9100, focusing on how aerospace organisations identify, analyse, evaluate and control risks that affect product safety, quality, reliability, and compliance. The course explains the risk-based thinking approach required by AS9100 and how it integrates with aerospace-specific expectations such as operational risk management, design risk, special process risks, supplier-related risks, product safety controls and counterfeit parts prevention. Through case studies, industry-relevant examples and workshop activities, participants will develop strong competencies to implement robust risk management practices that enhance safety, reduce operational uncertainties and strengthen readiness for AS9100 certification and customer audits.

## OBJECTIVE(S):

- Understand AS9100 risk-based thinking requirements and expectations.
- Identify aerospace-related risks affecting quality, safety and compliance.
- Apply structured risk assessment tools including FMEA and risk matrices.
- Evaluate and control operational, design, supplier and process risks.
- Strengthen product safety, configuration control and counterfeit parts prevention.
- Develop and maintain effective risk documentation within AS9100.
- Use risk information to improve decision-making and operational performance.
- Support certification readiness and audit compliance for AS9100.

**TARGET GROUP(S):**

- Aerospace quality managers and engineers
- Production and operations managers
- Supplier quality and procurement teams
- Design and development personnel
- Risk and compliance officers
- AS9100 implementation and audit teams

**ENTRY REQUIREMENT(S):**

- Able to read, write and communicate verbally in Malay/English

**TOPIC(S):**

1. AS9100 Overview and Risk-Based Thinking Requirements
2. Aerospace Risk Concepts and Regulatory Expectations
3. Risk Identification for Product, Process, Operational and Supplier Risks
4. Risk Assessment Tools: FMEA, Risk Matrices and Process Risk Evaluation
5. Risk Control Measures for Product Safety, Special Processes and Configuration
6. Risk Monitoring, Indicators and Performance Evaluation
7. Risk Documentation and Integration into AS9100 Processes
8. Continual Improvement and Audit Expectations for Risk Management

**LIST OF REFERENCE BOOK(S):**

- AS9100D Quality Management Systems
- AS9145 Aerospace APQP and Risk Requirements
- ISO 31000 Risk Management Guidelines
- Aerospace industry standards and regulatory guidelines

**LIST OF TEACHING AID(S):**

- LCD projector

- Computer

- Whiteboard with accessories

- Flip chart with accessories

- Risk assessment templates, FMEA forms and worksheets


**METHODOLOGY(S):**

- Lecture

- Group discussions

- Case studies

- Risk assessment workshops

- Practical exercises

**TRAINING SCHEDULE**

**Day 1**

| Time | Activity / Topic |
|---|---|
| 8:30 am – 9:00 am | Registration and Introduction |
| 9:00 am – 10:15 am | Topic 1: AS9100 Overview and Risk-Based Thinking Requirements |
| 10:15 am – 10:30 am | **Morning Tea Break** |
| 10:30 am – 12:30 pm | Topic 2: Aerospace Risk Concepts and Regulatory Expectations |
| 12:30 pm – 1:30 pm | **Lunch Break** |
| 1:30 pm – 3:30 pm | Topic 3: Risk Identification for Product, Process, Operational and Supplier Risks |
| 3:30 pm – 3:45 pm | **Afternoon Tea Break** |
| 3:45 pm – 5:00 pm | Topic 4: Risk Assessment Tools: FMEA, Risk Matrices and Process Risk Evaluation |

**TRAINING SCHEDULE**

**Day 2**

| Time | Activity / Topic |
|---|---|
| 8:30 am – 9:00 am | Recap of Day 1 |
| 9:00 am – 10:15 am | Topic 5: Risk Control Measures for Product Safety, Special Processes and Configuration |
| 10:15 am – 10:30 am | **Morning Tea Break** |
| 10:30 am – 12:30 pm | Topic 6: Risk Monitoring, Indicators and Performance Evaluation |
| 12:30 pm – 1:30 pm | **Lunch Break** |
| 1:30 pm – 3:30 pm | Topic 7: Risk Documentation and Integration into AS9100 Processes |
| 3:30 pm – 3:45 pm | **Afternoon Tea Break** |
| 3:45 pm – 5:00 pm | Topic 8: Continual Improvement and Audit Expectations for Risk Management |