



## **ISO 22163 UNDERSTANDING AND IMPLEMENTING TRAINING**



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**Course Title:** ISO 22163 Understanding and Implementing Training

**Course Validity:** 2 Days

**Validity:** Not Applicable

**HRD Corp Scheme:** Claimable

## **INTRODUCTION**

This training provides participants with practical knowledge of ISO 22163, the international quality management standard for the railway industry based on ISO 9001. It focuses on understanding its requirements, sector-specific processes, risk controls, configuration management and supplier quality expectations. Through case studies, discussions and implementation exercises, participants will learn how to apply ISO 22163 effectively to improve operational reliability, consistency and safety across railway-related activities.

## **OBJECTIVE(S):**

- Understand the purpose, structure and requirements of ISO 22163.
- Learn sector-specific expectations for railway quality management.
- Strengthen understanding of process management and risk-based thinking.
- Apply documentation, operational controls and configuration management.
- Assess supplier quality, traceability and lifecycle process controls.
- Evaluate performance indicators and continual improvement methods.
- Support organisational readiness for ISO 22163 certification.

**TARGET GROUP(S):**

- Quality managers and engineers
- Railway operations and maintenance personnel
- Project and engineering teams
- Procurement and supply chain personnel
- ISO and compliance committee members
- Contractors and railway service providers

**ENTRY REQUIREMENT(S):**

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

**TOPIC(S):**

1. Introduction to ISO 22163 and the IRIS Framework
2. Context of the Organisation and Railway Industry Requirements
3. Leadership, Roles and Responsibilities in Railway QMS
4. Planning, Risk-Based Thinking and Lifecycle Process Controls
5. Support Functions, Competence, Resources and Documentation
6. Operational Controls, Configuration and Change Management
7. Supplier Management, Qualification and Performance Monitoring
8. Performance Evaluation, Audits and Continual Improvement

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

- ISO 22163 Standard
- IRIS Certification® System Guidelines
- Railway operations and quality management guides

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

- LCD projector
- Computer
- Whiteboard with accessories
- Flip chart with accessories
- ISO 22163 templates and implementation tools

**METHODOLOGY(S):**

- Lecture
- Case studies
- Group discussions
- Documentation review
- Implementation 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: ISO 22163 and IRIS Framework Overview
10:15 am – 10:30 am	<b>Morning Tea Break</b>
10:30 am – 12:30 pm	Topic 2: Context of Organisation and Railway Requirements
12:30 pm – 1:30 pm	<b>Lunch Break</b>
1:30 pm – 3:30 pm	Topic 3: Leadership and Responsibilities
3:30 pm – 3:45 pm	<b>Afternoon Tea Break</b>
3:45 pm – 5:00 pm	Topic 4: Planning and Lifecycle Process Controls

## 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: Support, Competence and Documentation
10:15 am – 10:30 am	<b>Morning Tea Break</b>
10:30 am – 12:30 pm	Topic 6: Operational Controls and Configuration Management
12:30 pm – 1:30 pm	<b>Lunch Break</b>
1:30 pm – 3:30 pm	Topic 7: Supplier Management and Performance Monitoring
3:30 pm – 3:45 pm	<b>Afternoon Tea Break</b>
3:45 pm – 5:00 pm	Topic 8: Performance Evaluation and Continual Improvement