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COURSE BROCHURE

Maintainability Review and Operational Readiness Handover Training Course

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Kuala Lumpur

jupiterprime.uk

info@jupiterprime.uk

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Maintainability Review and Operational Readiness Handover Training Course

Ref: 1358_50861 **Date:** 19 – 23 September 2027 **Location:** Kuala Lumpur **Fees:** 4900 GBP

Maintainability Review and Operational Readiness Handover is a 1-week training course for asset and maintenance managers that produces a handover readiness plan for a new or modified asset, covering maintainability findings, spares, documents and the first maintenance strategy. Many plants inherit equipment that is hard to reach, poorly documented and unsupported by spares, which locks in high life cycle cost from day one. Jupiter Prime Training delivers this Maintainability Review and Operational Readiness Handover course.

Why Maintainability Review and Operational Readiness Handover Matters Now

Three pressures make early maintenance involvement urgent. Capital projects are delivered faster, often by contractors who leave before the first breakdown. Owners now judge investments on whole-life cost, not purchase price, so poor access or missing data hurts long after commissioning. Maintenance teams are leaner and cannot absorb months of chasing manuals and spares after handover. Organisations that review maintainability at design and enforce readiness criteria start operation with stable equipment; those that do not spend the early years firefighting. The course draws on ISO 55001 asset management requirements and EN 13306 maintenance terminology.

Who Gains Most from Maintainability Review and Operational Readiness Handover

- Asset managers who set life cycle objectives and approve acquisition choices
- Maintenance managers who accept new equipment into service
- Reliability engineers who build the first maintenance strategy for new assets
- Project interface engineers who represent operations during design and construction
- Materials and document controllers who load spares and data into the CMMS

Owner teams preparing for a plant expansion or major modification gain most when maintenance and project members attend together and share one readiness checklist.

Maintainability Review and Operational Readiness Handover Capabilities

Participants learn to shape new assets before they arrive and to refuse handover until maintenance can actually support them.

- Assess designs for access, lifting, isolation and standardisation — project engineers and vendors
- Calculate life cycle cost for competing equipment options — the acquisition decision
- Specify vendor data, spares lists and manuals required at handover — procurement teams
- Build the initial maintenance strategy and task lists for new equipment — reliability and planning leads

- Apply readiness criteria and punch list rules at handover — the decision to accept the asset
- Weigh early-life failures against warranty and replacement options — asset owners

Key Maintainability Review and Operational Readiness Handover Terms

- Maintainability — the ease and speed with which equipment can be inspected, repaired or replaced using normal resources.
- Operational readiness — the state in which people, procedures, spares, data and systems are in place to run and maintain a new asset.
- Life cycle cost — the total cost of an asset from acquisition through operation, maintenance and disposal.
- Handover dossier — the package of drawings, manuals, test records and certificates passed from project to operations.
- Punch list — a list of incomplete or defective items that must be cleared before or after handover.
- Early-life failure — a failure in the first period of operation caused by design, manufacture or installation defects.

Maintainability Review and Operational Readiness Handover Day by Day

Day 1: The Asset Life Cycle View

- Life Cycle Stages From Concept to Disposal — Where Maintenance Influence Is Highest
- ISO 55001 Asset Objectives — Linking Projects to Long-Term Performance
- Life Cycle Costing Methods — Comparing Purchase and Ownership Costs
- Project-to-Operations Interfaces — Roles, Gates and Sign-Offs
- Lessons From Utility and Manufacturing Start-Ups — Common Readiness Gaps

Day 2: Maintainability at Design

- Maintainability Review Checklists — Access, Lifting and Isolation Points
- Equipment Standardisation Choices — Reducing Spares and Skills Variety
- Condition Monitoring Provisions — Sensor Points Built Into Design
- Vendor Package Review — Comparing Bids on Supportability
- Design Change Requests From Maintenance — Influencing Before Fabrication

Day 3: Readiness Preparation

- Initial Maintenance Strategy Development — Selecting Task Types per Asset
- Spares Identification and Stocking — Critical and Commissioning Spares
- Asset Data and Hierarchy Loading — Preparing the CMMS Before Start-Up
- Procedure and Training Needs — Preparing Crews for New Equipment
- Readiness Assessment Scorecards — Tracking Gaps Before Handover

Day 4: Handover and Early Life

- Commissioning Records and Test Evidence — Accepting Proven Performance
- Handover Dossier Review — Drawings, Manuals and Certificates
- Punch List Categories and Close-Out — Accept, Defer or Reject Decisions
- Early-Life Failure Tracking — Warranty Claims and Design Feedback
- Replacement and Upgrade Decisions — When Early Problems Justify Change

Day 5: Practising the Handover Readiness Plan

- Maintainability Review of a Case Design — Applying Design Checklists
- Life Cycle Cost Comparison of Two Options — Applying Costing Methods
- Spares, Data and Strategy Package — Applying Readiness Preparation
- Handover Gate Simulation — Accepting or Rejecting the Asset
- Handover Readiness Plan — Completing the Asset Package

Applying Maintainability Review and Operational Readiness Handover After the Course

- Run a maintainability review on one current project drawing set and log design change requests.
- Score readiness for the next asset due for handover and agree gap owners with the project team.

Maintainability Review and Operational Readiness Handover Questions FAQ

What is Maintainability Review and Operational Readiness Handover and why does it matter now?

It is the practice of shaping new assets for easy maintenance and accepting them only when people, spares and data are ready. It matters now because faster projects and leaner teams leave little room to fix problems after start-up.

Which roles gain most from Maintainability Review and Operational Readiness Handover training?

Asset and maintenance managers gain most. Reliability engineers, project interface engineers and materials controllers also benefit.

How does Maintainability Review and Operational Readiness Handover differ from a lifecycle cost planning course?

It focuses on the start of the asset life, from design to handover. Costing is one tool here, alongside design reviews, readiness scorecards and handover gates.

What do you bring back from Maintainability Review and Operational Readiness Handover training?

You bring back a handover readiness plan for a new or modified asset. It lists maintainability findings, spares, data, strategy tasks and acceptance criteria.

Maintainability Review and Operational Readiness Handover: The Way Forward

The handover readiness plan first informs whether a new asset can be accepted into service or needs more work. Maintenance managers own it, project engineers close its gaps and planners load its tasks. After the first months of operation, compare early-life failures with review findings to strengthen the checklist for the next project.