

Pre-Startup Audit and Risk Control Training Course

30 May – 3 June 2027
Muscat

AGILE LEADERS
Training Center

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Ref: 1253_192602 **Date:** 30 May – 3 June 2027 **Location:** Muscat **Fees:** 5700 Euro

Overview

Pre-Startup Audit and Risk Control Training Course is a one-week advanced course for commissioning, process safety, operations, engineering, maintenance, project, risk, and audit professionals who need a Pre-Startup Audit and Risk Control Authorization Pack. The course connects scope, design verification, as-built walkdowns, procedure readiness, safeguards, training, management of change, findings, and startup authorization. Participants test whether evidence supports a controlled operating decision. Agile Leaders Training Center presents pre-startup auditing through verification, challenge, closure, and accountable authorization.

Who Should Attend

- Teams responsible for commissioning readiness and startup authorization
- Teams responsible for process safety, hazard review, and risk control verification
- Teams responsible for engineering design, construction, and as-built documentation
- Teams responsible for operating, maintenance, and emergency procedures
- Teams responsible for projects, change control, training, and handover
- Teams responsible for compliance audit, assurance, findings, and corrective actions

The course assumes participants review facility, project, operational, or risk-control evidence and leaves out equipment design calculations and jurisdiction-specific legal advice.

Departments and Industries

The course supports functions and sectors that commission, modify, restart, or hand over facilities and operating systems.

- Commissioning, operations, engineering, maintenance, project, and process-safety departments
- Risk, compliance, quality, internal-audit, and assurance functions
- Energy, chemicals, manufacturing, utilities, and mining operations
- Construction, transport, logistics, and infrastructure organizations
- Healthcare, laboratories, food production, and other controlled-process facilities

Learning Objectives

By the end of this course, participants will be able to:

- Analyze pre-startup audit scope, criteria, and accountabilities
- Evaluate design, construction, and as-built evidence
- Apply procedure, safeguard, training, and change-control tests
- Build risk-ranked findings and closure requirements
- Use readiness gates and startup authorization records
- Prioritize deferred actions and post-startup monitoring

Course Agenda

Day 1: Audit Scope and Readiness Criteria

- PSSR Purpose, Trigger, and Boundary Decision Map
- Pre-Startup Audit Charter and Responsibility Matrix
- ISO 31000:2018 Risk Criteria and Treatment Method
- Readiness Evidence Index and Document-Control Register
- Startup Gate, Hold Point, and Authorization Framework

Day 2: Design and Construction Verification

- Design Specification and As-Built Conformance Checklist
- Piping, Instrumentation, Alarm, and Interlock Review Method
- Equipment Installation and Mechanical-Integrity Evidence Sheet
- Field Walkdown, Tagging, and Deviation Log
- Management-of-Change and Design-Change Traceability Test

Day 3: Procedures, People, and Safeguards

- Operating, Maintenance, and Emergency Procedure Adequacy Test
- Startup, Shutdown, and Operating-Limit Verification Matrix
- Training Competence and Role-Readiness Record
- Hazard Review Recommendation Closure Check
- Safeguard Function and Emergency-Response Readiness Test

Day 4: Findings and Authorization

- Audit Evidence Sampling and Interview Protocol
- Finding Severity and Risk-Ranking Matrix
- Punch-List Ownership and Closure Verification Log
- Conditional Startup and Deferred-Action Decision Rule
- Startup Authorization and Assurance Report

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Day 5: Pre-Startup Audit Practice

- Exercise: Audit Scope and Evidence Sufficiency Review
- Exercise: As-Built Walkdown and Deviation Diagnosis
- Exercise: Procedure, Training, and Safeguard Challenge
- Exercise: Finding Closure and Authorization Decision
- Capstone Exercise: Pre-Startup Audit and Risk Control Authorization Pack

Practical Exercises

The course uses suggested activities that turn design, field, procedure, and control evidence into startup decisions.

- Suggested activity: define audit boundaries, readiness criteria, evidence owners, and authorization roles.
- Suggested activity: compare design records with walkdown observations and classify deviations.
- Suggested activity: test procedure, training, safeguard, and change-control evidence for readiness.
- Suggested activity: rank findings, verify closure, and document a startup, conditional-startup, or hold decision.

FAQs

Who should attend the Pre-Startup Audit and Risk Control Training Course?

The course suits professionals responsible for commissioning, operations, engineering, maintenance, process safety, projects, risk, controls, audit, or assurance. It assumes practical involvement in facility readiness or startup decisions.

How does a pre-startup audit differ from general operational auditing?

A pre-startup audit verifies readiness before operation through design, construction, procedure, training, safeguard, change, and closure evidence, while general operational auditing reviews established activities after they are functioning.

What evidence supports a pre-startup authorization decision?

Pre-startup authorization evidence includes approved design records, as-built checks, completed hazard actions, current procedures, safeguard tests, training records, change approvals, closed findings, and accountable signatures.

How should unresolved pre-startup audit findings be handled?

Unresolved findings should be risk-ranked, assigned, time-bound, and reviewed against explicit hold or conditional-startup criteria, with compensating controls, authorization, and verification evidence documented.

Conclusion

The course links pre-startup audit scope, design evidence, field verification, procedures, safeguards, training, change control, findings, and authorization. Participants take back a Pre-Startup Audit and Risk Control Authorization Pack containing criteria, checklists, logs, decisions, and closure records. The pack makes readiness evidence, risk acceptance, accountability, and startup decisions easier to challenge and approve.