



ISO 50001 INTERNAL AUDITING TRAINING



MTBM Group Sdn. Bhd. (1600656-M)

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Course Title: ISO 50001 Internal Auditing Training

Course Validity: 2 Days

Validity: Not Applicable

HRD Corp Scheme: Claimable

INTRODUCTION

This training provides participants with the knowledge, skills and structured techniques required to conduct effective internal audits of Energy Management Systems based on ISO 50001. It explains how ISO 19011 serves as the foundation for internal auditing and how ISO 50001 requirements translate into audit criteria, operational controls and energy performance expectations. Participants will gain a deeper understanding of how to evaluate risks, opportunities, operational controls and documentation effectiveness through interviews, on-site assessments and evidence-based auditing. Through practical workshops and energy-focused audit simulations, the program equips participants to plan, conduct, report and follow up internal audits that strengthen energy performance, enhance organisational governance and support readiness for certification audits.

OBJECTIVE(S):

- Understand ISO 50001 requirements and their audit implications.
- Learn ISO 19011 principles, auditor roles and audit ethics.
- Develop audit planning, scheduling and documentation skills.
- Conduct energy-focused internal audits using evidence-based methods.
- Identify nonconformities and evaluate root causes effectively.
- Strengthen corrective action follow-up and continual improvement.
- Enhance organisational readiness for ISO 50001 certification.

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TARGET GROUP(S):

- Internal auditors
- Energy managers and energy officers
- Maintenance and engineering teams
- Facility and operations managers
- Quality, safety and sustainability personnel
- ISO and compliance representatives

ENTRY REQUIREMENT(S):

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

TOPIC(S):

1. Introduction to ISO 50001 and Energy Management Systems
2. ISO 19011 Auditing Principles and Auditor Competence
3. Clause-by-Clause Audit Review of ISO 50001
4. Audit Planning, Scope, Criteria and Documentation
5. Conducting Energy-Focused Internal Audits
6. Reporting Audit Findings and Managing Nonconformities
7. Root Cause Analysis and Corrective Action Determination
8. Audit Follow-Up, Verification and Continual Improvement

LIST OF REFERENCE BOOK(S):

- ISO 50001: Energy Management System Requirements
- ISO 19011: Guidelines for Auditing Management Systems
- ISO 50002: Energy Audit Guidance
- ISO 50006: Energy Performance Indicators (EnPIs)

LIST OF TEACHING AID(S):

- LCD projector
- Computer
- Whiteboard with accessories
- Flip chart with accessories
- Audit checklists, templates and sample reports

METHODOLOGY(S):

- Lecture
- Group discussions
- Case studies
- Implementation 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: Introduction to ISO 50001 and Energy Management Systems
10:15 am – 10:30 am	Morning Tea Break
10:30 am – 12:30 pm	Topic 2: ISO 19011 Auditing Principles and Auditor Competence
12:30 pm – 1:30 pm	Lunch Break
1:30 pm – 3:30 pm	Topic 3: Clause-by-Clause Audit Review of ISO 50001
3:30 pm – 3:45 pm	Afternoon Tea Break
3:45 pm – 5:00 pm	Topic 4: Audit Planning, Scope, Criteria and Documentation

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: Conducting Energy-Focused Internal Audits
10:15 am – 10:30 am	Morning Tea Break
10:30 am – 12:30 pm	Topic 6: Reporting Audit Findings and Managing Nonconformities
12:30 pm – 1:30 pm	Lunch Break
1:30 pm – 3:30 pm	Topic 7: Root Cause Analysis and Corrective Action Effectiveness
3:30 pm – 3:45 pm	Afternoon Tea Break
3:45 pm – 5:00 pm	Topic 8: Audit Follow-Up, Verification and Continual Improvement