MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

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LABORATORY QUALITY MANAGEMENT AND ISO 17025 COMPLIANCE

"Ensuring Laboratory Excellence through ISO 17025 Standards"

Schedule

Date	Venue	Fees (Online)
13 – 14 May 2026	Online	USD 700 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

Maintaining high standards in laboratory operations is crucial for ensuring accurate, reliable, and reproducible results. ISO 17025 provides the internationally recognized framework for laboratory quality management and technical competence. This course helps participants understand the ISO 17025 requirements and equips them to implement and maintain a robust laboratory quality management system (LQMS).

Through interactive sessions, case studies, and practical exercises, participants will learn how to enhance laboratory processes, ensure compliance with ISO 17025 standards, and improve confidence in testing and calibration results. The training provides actionable insights for sustaining continuous improvement and regulatory compliance in laboratory operations.

Objectives

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

- Understand the ISO 17025:2017 standard and its key requirements
- Implement a laboratory quality management system (LQMS) aligned with ISO 17025
- Conduct internal audits and manage non-conformities effectively
- Enhance technical competence and documentation processes
- Apply corrective and preventive actions for continuous improvement
- Ensure compliance with accreditation requirements

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Why Attend

- Gain a deep understanding of ISO 17025 requirements for laboratories
- Learn practical steps to implement a compliant quality management system
- Enhance reliability and credibility of laboratory results
- Improve efficiency and reduce errors through systematic quality management
- Stay updated on best practices for laboratory accreditation and audits

Target Audience

This program is designed for:

- Laboratory managers and quality managers
- Technical staff and analysts responsible for testing and calibration
- Internal auditors and compliance officers in laboratories
- Professionals preparing for ISO 17025 accreditation
- Consultants supporting laboratory quality management initiatives

Individual Benefits

Key competencies that will be developed include:

- Mastery of ISO 17025 standards and laboratory quality management principles
- Skills to implement and maintain an effective LQMS
- Competence in conducting audits and managing non-conformities
- Ability to improve laboratory processes and documentation
- Knowledge of accreditation requirements and compliance strategies

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved laboratory quality management and operational efficiency
- Compliance with ISO 17025 accreditation standards
- Enhanced credibility and reliability of laboratory results
- Reduced risks of errors and non-conformities
- Strengthened reputation and stakeholder confidence in laboratory services

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Deep dive into ISO 17025 and laboratory quality management systems
- Case Studies – Real-world examples of LQMS implementation and successful audits
- Workshops – Hands-on exercises for documentation, risk management, and corrective actions
- Peer Exchange – Group discussions on laboratory challenges and lessons learned
- Tools – Templates for quality manuals, audit checklists, and corrective action plans

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Course Outline

Detailed 2-Day Course Outline

Training Hours: 7:30 AM – 3:30 PM Daily Format: 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Introduction to ISO 17025 and Laboratory Quality Management

Module 1: Overview of ISO 17025 (07:30 – 09:30)

- Introduction to ISO 17025 and its significance
- Key principles and requirements of ISO 17025:2017
- Understanding the laboratory quality management system (LQMS)

Module 2: Documentation and Process Management (09:45 – 11:15)

- Developing quality manuals and SOPs
- Record-keeping and document control
- Ensuring traceability and reproducibility of results

Module 3: Technical Competence and Staff Training (11:30 – 01:00)

- Ensuring staff competency for accurate testing and calibration
- Training and assessment strategies
- Managing equipment calibration and maintenance

Module 4: Risk Management and Corrective Actions (02:00 – 03:30)

- Identifying and mitigating laboratory risks
- Non-conformities, corrective and preventive actions
- Continuous improvement of laboratory processes

Day 2: Implementation, Auditing, and Compliance

- Internal audit processes and audit planning
- Handling external assessments and accreditation readiness
- Case studies on successful ISO 17025 implementation
- Workshop on developing action plans for LQMS improvement

Certification

Participants will receive a Certificate of Completion in Laboratory Quality Management and ISO 17025 Compliance, validating their knowledge and competence in implementing ISO 17025 standards and managing laboratory quality systems.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**

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