



TRAINING OF TRAINERS TRAINING ON ISO/IEC 17025 LABORATORY QUALITY MANAGEMENT SYSTEMS (for non-medical laboratories)

Target Audience

- National QMS trainers
- Laboratory Managers
- Quality Managers
- Mentors
- QMS Experts & Advisors
- Laboratory Experts

Important Dates

Call for Applications	23 February – 10 April 2026
Closing Dates	10 April 2026
Payment Dates	10 April – 10 May 2026
Training Dates	15 – 24 June 2026
Training Location	Cape Town, South Africa

Introduction

Laboratories play a critical role in healthcare delivery, disease surveillance, research, environmental monitoring, food safety, and regulatory decision-making. The reliability and accuracy of laboratory results directly influence clinical decisions, public health interventions, and policy development. Inaccurate or inconsistent laboratory results can lead to misdiagnosis, inappropriate treatment, delayed outbreak response, financial losses, and diminished public trust.

To ensure reliability, laboratories must operate within a structured and systematic framework known as a Quality Management System (QMS). A Laboratory QMS integrates organizational structure, processes, procedures, resources, and responsibilities needed to ensure consistent quality in laboratory operations. International standards such as ISO 15189 and ISO/IEC 17025 provide globally recognized frameworks for establishing and maintaining laboratory quality systems.

Despite increasing awareness of quality standards, many laboratories face challenges in effective QMS implementation and sustainability. Common barriers include limited trained personnel, inadequate understanding of quality principles, insufficient mentorship, and weak internal capacity to cascade training. Often, knowledge of QMS remains concentrated among a small group of individuals, making systems vulnerable to staff turnover and limiting institutional ownership of quality processes.

Training of Trainers (ToT) programs are a strategic approach to building sustainable internal capacity. By equipping selected laboratory professionals with both technical QMS knowledge

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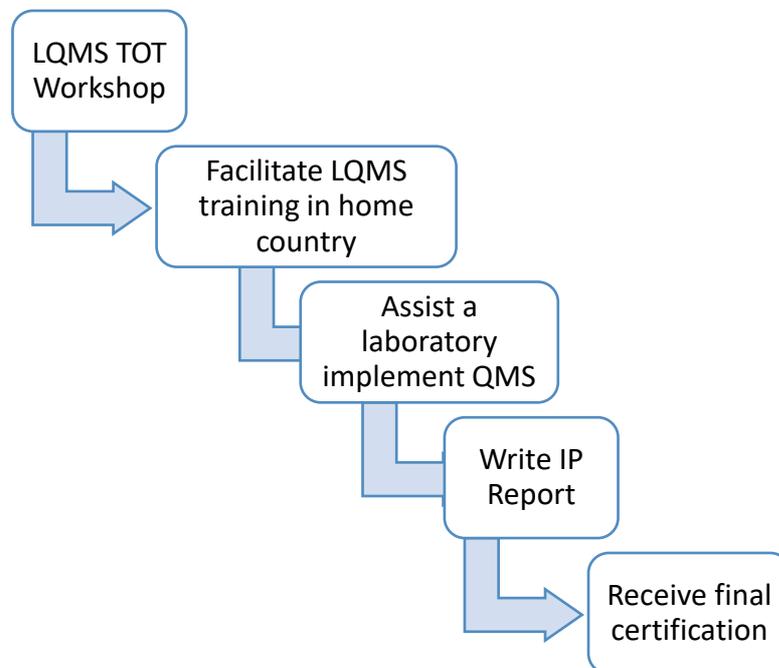
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and facilitation skills, institutions can create a multiplier effect—ensuring that quality principles are consistently disseminated, reinforced, and institutionalized across departments and levels of staff.

This ToT on Laboratory Quality Management Systems is designed to strengthen participants' understanding of the core elements of QMS, including document control, internal audits, corrective and preventive actions, risk management, equipment management, quality control, process improvement, and management review. In addition to technical content, the program emphasizes adult learning principles, training design, facilitation techniques, and strategies for managing change within laboratory settings.

By developing a cadre of competent QMS trainers, this initiative supports the establishment of a culture of quality, continuous improvement, and accountability. Ultimately, strengthening internal training capacity contributes to improved laboratory performance, enhanced compliance with standards, and increased confidence in laboratory results.

Training Outline



This is an 8 day training which consists of 5 days of intensive didactic training and 3 days of teach back sessions to provide participants with an opportunity to demonstrate their understanding of the training materials and display of adult learning principles.

This will be followed by a twelve month duration where the participant is expected to

- a. Facilitate a method validation training in their home country



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- b. Mentor a laboratory to validate/verify specific test methods
- c. Receive support and mentorship from ASLM trainers
- d. Receive certification upon successful completion of improvement projects

Costs

No application will be accepted without proof of financial support for the following:

- k. Travel costs to Cape Town, South Africa and travel insurance
- l. Accommodation costs
- m. Administration fee of USD 2,000 for the training which will be paid to ASLM

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