Introduction to ISO/IEC 17043:2023 and ISO 13528:2022

- Competence of Proficiency testing providers
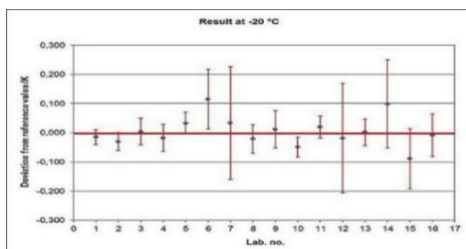
Course Objectives

The course provides an overview of proficiency testing principles and practices, emphasizing the organizational and statistical aspects essential for ensuring a fit-for-purpose evaluation of the accuracy and reliability of participating testing and calibration laboratories' results.

Course Content

Participants will gain an understanding of ISO/IEC 17043, exploring various technical and administrative requirements such as the organization and management of proficiency testing schemes, participant enrollment, test item preparation, data analysis (homogeneity and stability testing, as well as performance evaluation), and finally reporting requirements.

The course will further explore ISO 13528 recommendations, focusing on the statistical methods that may be employed for proficiency testing result interpretation, participant performance assessment, as well as value assignment, homogeneity and stability testing.

Through interactive lectures, case studies, and practical exercises, attendees will learn how to effectively implement both standards within their organizations, enhancing the quality and credibility of their proficiency testing activities.

Course Date
17 – 21 November 2024

Duration
4 days

Cost
R8 450

Who should attend?

Although the course is aimed at scientists working in testing and calibration laboratories, quality assurance, accreditation bodies, and regulatory agencies involved in organizing proficiency testing programs, anyone seeking to deepen their understanding of proficiency testing principles and statistical analysis techniques associated with proficiency tests will benefit from this course.

Course Information
NMISA's courses are developed and presented by experts in the field.