

COURSE OUTLINE

Understanding ISO/IEC 17025:2005 standard

1. Objectives of the course

- Appreciate and understand the BOS ISO/IEC 17025:2005 standard.
- Interpret the clauses of the BOS ISO/IEC 17025:2005 standard.
- Align Laboratory work with requirements of the BOS ISO/IEC 17025:2005 standard.

2. Course contents

Definition of the BOS ISO/IEC 17025:2005 standard

Principles behind the standard clauses

Clause 4.0: Management requirements

- Legal identity of the laboratory
- Organizational structure of the laboratory
- Quality system of a laboratory
- Document control in relation to the quality system
- Review of requests, tenders, and contracts
- Subcontracting of tests and calibrations
- Purchasing services and supplies
- Services to client
- Complaints
- Control of nonconforming testing and/or calibration work
- Corrective action
- Preventive action
- Control of records
- Internal Audits
- Management review

Clause 5.0: Technical requirements

- Factors that determine the correctness and reliability of the tests and/or calibrations
- Personnel
- Accommodation and environmental conditions
- Tests and calibration methods
- Method validation
- Estimation of uncertainty in measurement
- Control of data
- Equipment
- Measurement traceability
- Reference standards and reference materials
- Sampling
- Handling of test and calibration items
- Assuring quality of test and calibration results
- Reporting of results
- Tests reports

Comparison of BOS ISO/IEC 17025:2005 standard with ISO 9001:2000.

3. Course Duration

4 days

4. Target group

Testing laboratories, Calibration laboratories