



Understanding ISO/IEC 17025:2005

This course is intended to provide understanding of and practical application experience with the requirements of ISO/IEC 17025. Individuals, who have responsibility for the internal test laboratory or internal calibration laboratory in organizations seeking registration or transition to ISO 9001:2000 or ISO/TS 16949:2002, would benefit from this course. The managers and supervisors of internal test laboratories and internal calibration laboratories and those responsible for purchase and control of services for external test laboratories and external calibration laboratories would also benefit. The topics covered and practical application experienced would be applicable to any organization that wishes to achieve control of laboratory activities or compliance to the ISO/IEC 17025 requirements.

Length: 2 day

CEUs: 1.4

Prerequisites: *None*

WHAT YOU WILL LEARN

- Working knowledge of laboratory competence and organization
- Allowances and waivers that are allowed
- How to implement a compliant system in any type of laboratory setting
- Hands-on experience with the application and implementation of ISO/IEC 17025 in calibration and testing laboratory settings
- Vocabulary associated with laboratory competence and control
- Participants will work directly with the requirements using case study material from actual laboratory settings

PLEXUS LEARNING MODEL

Learning is maximized through participation. That is why Plexus training avoids lecture-based teaching and focuses on group activities, case studies and hands-on applications. *Learn by doing.*

WHO SHOULD ATTEND

- Managers and supervisors of internal test laboratories and internal calibration laboratories
- Those responsible for purchase and control of services for external test laboratories and external calibration laboratories
- Members of internal auditing teams who may be assigned auditing of internal laboratories

INSTRUCTORS

Plexus Master Trainers. Plexus Master Trainers train and evaluate:

- ISO 9001:2008, ISO/TS 16949:2009, AS9100, ISO 14001:2004 Environmental Management Systems, ISO 22000:2005 Food Safety, ISO 9001:2008 for Healthcare and ISO 13485:2003 for Medical Devices.
- Plexus trains 3rd party auditors and wrote the materials used to certify all of them
- Supplier Auditors

ISO/IEC 17025:2005

AGENDA

Day 1

- ❖ Overview of the standard
- ❖ Requirements of each section
- ❖ Requirements clarification
- ❖ Requirements applications
- ❖ Key elements workshop
- ❖ Documentation requirements
- ❖ Concept of uncertainty
- ❖ Application of the standard to a test facility and a calibration facility
- ❖ Allowances and waivers

Day 2

- ❖ Practical application exercise
- ❖ Construction of a lab scope
- ❖ Construction of documentation
- ❖ Construction of certification
- ❖ Construction of required reports
- ❖ Each of the above are as applied to case study scenarios (these can be adapted to fit the specific needs of the organization)