



CALIBRATION TECHNIQUES (NON-ELECTRICAL PARAMETERS)

SCOPE

Establishing a Calibration system is a very important step in implementing a Quality System in an Organization. The program is aimed at making Supervisory/Managerial level personnel to become conversant in calibration vis-à-vis overall Quality systems requirement. Actual system requirements like Calibration facilities; traceability; Maintenance and Re-calibration will be covered in the course. On completion of the training program the participants will be in a position to carry out calibration of measuring equipment in their lab, help top management in recommending need based calibration system and getting it implemented. They will also be able to plan in-house facility for calibration.

TARGET PARTICIPANTS

Test & Quality Assurance Personnel responsible for Calibration activities in industry as well as service oriented organization.

PRE REQUISITES

- Engineers preferably with some working experience in the area of Quality Assurance and Measurements.

CONTENTS

- Calibration Philosophy & Meteorological Terminology
- Traceability in Measurements
- Errors in Measurement and Uncertainty Computation
- Calibration procedures for Non-Electrical Parameters(Pressure/Humidity/Temperature)
- Setting up in-house calibration facilities as per NABL Requirements

DURATION

3 Full working Days

Timings: 1000 Hrs. to 1700 Hrs.



PRACTICAL DEMONSTRATION

The practical demonstration /hands on practice will be provided for calibration of following equipments /systems in the laboratory:

- Thermocouple/RTD/ Thermometers/Thermistors/Pyrometers
- Pressure Gauges calibration technique
- Humidity indicator Calibration (Digital %RH & Temperature Indicators)

FACULTY

The faculties / trainers for this course are well qualified and experienced Scientists from STQC and have domain specific expertise.

METHODOLOGY

- Course delivery: STQC courses are normally delivered in English. However, depending upon the need the courses are also delivered in Hindi or regional languages as desired. The STQC-courses are class room type and conducted at STQC Centres.
- Course Material: The delegates will receive a course book prepared by STQC during the commencement of course. In addition, for hands on practice set of tools and kits will also be demonstrated / provided as appropriate / applicable.

BENEFITS

Upon qualification of this course, participants will be able to perform more professionally.

FURTHER INFORMATION

For venue and dates of open advertised courses, please visit STQC website and contact course coordinator STQC Directorate, New Delhi.

Onsite and /or tailor made courses can also be offered on specific request.