

EFFECTIVE CALIBRATION SYSTEM

COURSE OBJECTIVES

Imagine that you are responsible for the product quality and your products have been thoroughly inspected, measured and tested before delivery. One day, you receive a call from your customer who claimed that your products are not meeting the specification. The ensuing investigation concluded that your testing equipment signaled "PASS" for all the failed products. The problem was ultimately traced to a final testing equipment which was not calibrated and evaluated according to the established method. The consequences of this scenario could have a serious impact on your future business with the clients. This course covers the essential requirements of the Calibration Systems and, it explains how to set up a cost effective calibration program.

By the end of the course, delegates will be able to:

- ✚ Understand the requirements for Calibration Systems for meeting the requirements of ISO 9001:2000 standard and ISO/TS 16949:2002 automotive specific requirements (as necessary).
- ✚ Appraise the company's calibration requirements.
- ✚ Develop an in-house cost effective calibration programme and understand the basic ISO/IEC 17025 requirement (General Requirement for the Competence of Testing and Calibration).
- ✚ Statistically extend/reduce calibration frequency to maximize effectiveness.
- ✚ Understand supplementary calibration requirements (ISO 10012-1, Metrological Confirmation System for Measuring Equipment).

COURSE CONTENT

- ✚ Introduction to the requirement of ISO 9000:2000
- ✚ Understanding of measurement terminology
- ✚ Developing & implementation of cost effective calibration programme
- ✚ Environmental conditions for calibration
- ✚ How to determine calibration frequency
- ✚ Measurement uncertainty
- ✚ How to verify calibration certificates
- ✚ Disposition of equipment and product when out of calibration or out of tolerance

FOR WHOM

This course is designed for quality professional, laboratory personnel, managers, supervisors, technicians and engineers involved in managing, calibration, testing and maintenance of equipment.

DURATION

This is a two-days course running from 9.00 am to 5.00 pm. The neatly design course content together with the right atmosphere will help you to become an active participant to understand the course.