



(1093652-W)
Ascendent Technology Sdn. Bhd.



A Practical Approach To Measurement & Calibration System

Ascendent Training Room

**“NCs Trouble??
Answers Auditors
Confidently. ”**

WHO SHOULD ATTEND

- 01.** Quality Manager, Technical Manager, Engineers, Laboratory Personnel, Executives involved with Calibration and Measurement
- 02.** Supervisors, Chemist, Engineer, Signatories of test reports & certificates
- 03.** Individuals involved with in-house calibration systems and on site calibration systems
- 04.** Personnel responsible for establishing calibration to meet quality standards
- 05.** Suppliers of measuring equipment

Programme Overview :

This 2 days training module is the combination of modules understanding measurement and calibration and **measuring instrument intermediate check**. It is designed to meet ISO quality management system requirement include **ISO 9001, ISO14001, IATF 16949, ISO 22000, ISO/IEC 17025, GMP, HACCP** and other quality management systems relating to measuring instrument management.

The module emphasis on proper understanding and management of measuring instrument determine **fitness for use**, techniques to perform intermediate check, determine **re-calibration period** and **cost saving** practices relating to calibration. There are practical sessions which are easy to understand and implement. Applicable in all domain, includes testing and calibration.

“This training will guide you to apply/practice at your workplace and daily life.”

Benefit of Training :

- 1) Covering various calibrations field and measurement
- 2) Maximize knowledge and apply current best practices
- 3) Help align personal and company goals to industry needs
- 4) Increase skills that can instantly applied in your workplace
- 5) **Common audit findings and answering auditors confidently**

Methodology :

Lectures, discussion, demonstration, hands-on practice and practical exercises

Training Certificate

- Upon successful completion of the **final test includes test results**, a certificate, topics covered, and a place for a supervisor's signature will be provided.
- This course satisfies a key component of ISO 17025 Compliance-Effective training and the Documentation of that training.
- Participants are required to complete a project usually at the end of training or within 2 weeks of completion of the training

Certificate of Competency

- achieves score points above 70 %

Certificate of Attendance

- achieves score points below 70 % or NO submission of project

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Remark :

- 1) Candidates need to bring along their scientific calculator for assessment
- 2) Candidate is advisable to provide tumb drive and or bring notebook.
- 3) Candidate is required to complete the assessment during training or must submitting the completed assessment within 2 weeks after the training is completed.
- 4) Certificate will be issue based on score point in the assessment.
- 5) The original assessment paper will be return to customer together with certificate.
- 6) Candidate with poor score is advisable to re-seat the training and assessment

OBJECTIVE :

At the end of the course, participants are expected to:

1. Understand and acquire knowledge on ISO 9001 Clause 7.1.5, IATF 16949, ISO 13485, ISO 17025 (clause 6.4 & 6.5 & partly 7.7) other ISO Quality Management System related.
2. Provide solution to those requirement as mention above
3. To be able to demonstrate understanding of measuring terminology such as bias, accuracy, precision, resolution, repeatability, traceability and uncertainty of measurement.
4. To be able to perform intermediate check, to manage measuring tools and equipment.
5. **Tackle NCs issues** under ISO 9001 Clause 7.1.5, IATF 16949, ISO 13485, ISO 17025 (clause 6.4 & 6.5 & partly 7.7)

COURSE CONTENT :

1) Introduction & Understanding

- a) Explaining on ISO 9001 and other related ISOs systems requirements
- b) Equipment
- c) Requirements with regards to calibration
- d) Traceability & Calibration
- e) Intermediate Check / Verification
- f) Recalibration / Calibration Interval

2) How and what to record in equipment master list

- a) Will provide sample of equipment master list form in spread sheet

3) Measurement traceability to SI units and its purpose

4) Practical Activities

- a) Illustrate the concept of uncertainty estimation,
- b) Practical session on uncertainty evaluation and its application
- c) Illustrate exercise on equipment "fit for purpose",
- d) Practical session on Intermediate Chart using Control Chart
- e) Practical session using formula to determine equipment fit for purpose

5) Conclusion and Q & A session

CONTACT US FOR MORE DETAILS

- ❖ Public Training
- ❖ In-House Training
- ❖ Customade training
- ❖ HRDF SBL Scheme claimable for private sector
- ❖ e-Perolehan applicable for government sector

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