Calibration Technique and Methodology for Physical Laboratory Based on ISO 17025:2005

17 & 18 March 2016

Organized by

Hong Kong Association for Testing, Inspection and Certification Ltd.

(Delivered by ex-HKAS Accreditation Officer)

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This two-day course provides training for comprehensive training for participants who conduct calibration and verification checks of equipment within physical laboratories.
Objective

This two-day course provides detail explanation of the principles and requirements of calibration and traceability of laboratories conducting physical measurements. Procedures of in-house calibration and requirements of intermediate checks will be discussed. It provides participants guidelines for interpretation of calibration certificate and routes of establishing traceability.

Outline

A. Traceability
   - Definition
   - S.I. Unit
   - Reference standards
   - Certified reference materials (hardness and toughness)

B. Content of calibration certificate

C. Calibration requirements of HOKLAS
   - Calibration interval
   - Tolerance
   - Measurement of uncertainty

D. Calibration and check of length
   - Rule
   - Caliper
   - Micrometer
   - LVDT

E. Calibration and check of mass
   - Mass
   - Balance

F. Calibration and check of temperature
   - Thermometer
   - Thermocouple
   - PRT
   - SPRT

G. Calibration and check of force
   - Compression test machine
   - Universal testing machine

H. Calibration and check of pressure
   - Oil
   - Water
   - Air pressure gauge
   - Transducer

I. Others
   - Time
   - Flatness
   - Straightness
   - Parallelism
Who Should Attend

This course is designed for all physical laboratory test personnel, supervisors and managers. Personnel engaged in the in-house quality control laboratory of a factory are also benefit from the knowledge of this course.

Date

Thursday and Friday
18 & 19 February 2016 (2 days)

Time

9:30am to 5:00pm

Venue

To be confirmed.

Instructors

Ir C.K. Cheung, BSc, MSc, DIC, MSc(Eng), MHKIE, RPE
Previously Senior Engineer in CEDD and Senior Accreditation Officer in HKAS
HKICA Registered Lead Auditor
HKAS Assessor
PAC Lead Evaluator

No. of Participants

15 persons on a first-come-first-served basis
(Priority will be given to members.)

Language

Chinese (with English course material)

Registration

1. Complete the registration form
2. Prepare a crossed cheque payable to "Hong Kong Association for Testing, Inspection and Certification Ltd." for the fee.
3. Send the completed registration form and signed cheque to the following address:

Hong Kong Association for Testing, Inspection and Certification Ltd.
HKTIC Secretariat, D1105, 11/F, Jubilee College, 81 Chung Hau Street, Homantin, Kowloon

Fee

HK$ 3,000 for HKTIC members
HK$ 3,300 for non-members

This fee covers course notes, handouts, and refreshment. (Fees will be refunded for unsuccessful registration or course cancellation).

Deadline

Monday, 7 March 2016

Assessment

There will be an assessment in the form of a written examination at the end of each module. Those that pass the exam will receive a ‘Certificate of Achievement’ from HKTIC. Others will receive a ‘Certificate of Completion’.

Enquiry

Email: swn.ho@snaconsultancy.com
Tel.: 9150 7740
Fax: 3905 5850
HKTIC Organized

**Calibration Technique and Methodology for Physical Laboratory Based on ISO 17025:2005**

Registration Form

Participants: Suitable for Inspection Body Managers, Supervisors, Approved Signatories, Authorized Representatives and personnel responsible for equipment

Course Content: Please see the attached outline

Date: Thursday and Friday, 17 & 18 March 2016

Time: 9:30am – 5:00pm

Venue: To be confirmed

No. of Participants: 15 persons per module on a first-come-first-served basis (Priority will be given to HKTIC member).

Participant: ____________________________

Dr./Ir./Mr./Mrs./Ms./Miss ____________________________

(Name to be shown on the certificate) (Full name in block letters, surname first)

Title: ____________________________

Organization: ____________________________

Membership: □ HKTIC member □ Non-member (Please tick as appropriate)

Address: ____________________________

Contact No.: ____________________________

Telephone Fax e-mail

Email: ____________________________

Sum (HK$): ____________________________

Payment: ____________________________

Cheque No. Amount Bank

Receipt Recipient: □ Not Required □ Organization □ Participant (Please tick one)

Please send a signed crossed cheque payable to “Hong Kong Association for Testing, Inspection and Certification Ltd.” for the fee and the completed registration form(s) on or before 9 March 2016 to the following address:

Hong Kong Association for Testing, Inspection and Certification Ltd.
HKTIC Secretariat, D1105, 11/F, Jubilee College, 81 Chung Hau Street, Homantin, Kowloon