



# **Understanding ISO 17043 and related statistics for Interlaboratory comparison**

02 and 03 March 2026

Organized by

Hong Kong Association for  
Testing, Inspection and Certification Ltd.

(Delivered by ex-HOKLAS Accreditation Officer)

This two-day course provides training for organization of interlaboratory comparison based on ISO/IEC 17043 and statistics analysis based on ISO 13528.

## Objective

This two-day course aims to provide training and guidance on the organization of interlaboratory comparison study based on ISO/IEC 17043. It provides participants understanding of the requirements of ISO/IEC 17043 and the statistical techniques as described in ISO 13528. Examples on approaches for establishment of the assigned value and related uncertainty, standard deviation and evaluation of performance will be discussed.

## Outline

### A. Technical requirements of ISO/IEC

#### 17043

- Personnel
- Equipment, accommodation and environment
- Design of proficiency testing /interlaboratory comparisons
- Choice of Method / procedure
- Operation of proficiency testing /interlaboratory comparisons
- Data analysis and evaluation of results
- Reports
- Communication
- Confidentiality

### B. Management requirements of ISO/IEC

#### 17043

- Organization
- Management system
- Document control
- Review on requests, tenders and contract
- Subcontracting of services
- Purchasing services/ supplies
- Service to customers
- Complaints / appeals
- Policy and procedure on control of non-conforming work
- Improvements
- Corrective actions
- Preventive actions
- Record control
- Internal audits
- Management reviews

### C. Assigned value (ISO 13528)

- Formulation
- Results from one laboratory
- Certified reference material (CRM)
- Consensus value from expert laboratories
- Consensus value from participant results

### D. Standard deviation (ISO 13528)

- Perception of experts
- Experience from previous rounds of a PT scheme
- Use of a general model
- Repeatability and reproducibility standard deviations from a previous collaborative study
- From data obtained in the same round of a proficiency testing scheme

### E. Performance Evaluation (ISO 13528)

- Different types of score

### F. Qualitative scheme

### G. Homogeneity and stability (ISO 13528)

### H. Other approaches (HOKLAS)

### I. Examples and workshops

The course is designed and delivered by professional analytical chemist who was also an ex-HOKLAS Accreditation Officer. She has more than forty years of experience in chemical analysis.

### **Who Should Attend**

This course is designed for all laboratory staff members who are actively involved in quality aspects of the laboratory, including managers, supervisors, approved signatories, authorized representatives, etc.

### **Date**

2 and 3 March 2026 (2 days)

### **Time**

9:30 am to 5:15pm

### **Venue**

Near MTR station;

To be announced 1 week before the training via email

### **Instructors**

Ms. Sandra Ho

*HOKLAS Lead and Technical Assessor  
Previously Chemist in Govt. Laboratory and  
Accreditation Officer in HOKLAS  
Over 40 years of experience in chemical  
analysis*

### **No. of Participants**

First-come-first-served basis (Priority will be given to members.)

### **Language**

Chinese (with English course material)

### **Registration**

1. Email the complete the registration form to [info@hktic.org](mailto:info@hktic.org)
2. Prepare a crossed cheque payable to "Hong Kong Association for Testing, Inspection and Certification Limited." for the fee .
3. Post the completed registration form and signed cheque to the following address:

HKTIC Secretariat  
1/F., CMA Building,  
64-66 Connaught Road Central,  
Hong Kong.

### **Fee**

HK\$4,000 for HKTIC members  
HK\$4,800 for non-members

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

### **Deadline**

23 February 2026

### **Assessment**

There will not be any assessment at the end of the course. Those that have attended will receive a 'Certificate of Completion' from HKTIC.

### **Enquiry**

Email: [info@hktic.org](mailto:info@hktic.org)  
Tel.: 3652 7515

## HKTIC Organized

**Understanding ISO 17043 and related statistics for Interlaboratory comparison**

## Registration Form

Participants: Suitable for Managers, Supervisors, Approved Signatories, Authorized Representatives, Auditors

Course Content: Please see the attached outline

Date and Time: **2 and 3 March 2026, 9:30am – 5:15pm**

Venue: Near MTR station; to be announced 1 week before the training via email

Participant: Dr./Ir./Mr./Mrs./Ms./Miss \_\_\_\_\_  
**\*Name to be shown on the certificate** **Full name in block letters, surname first**

Organization: \_\_\_\_\_

Position / Job Title: \_\_\_\_\_

Mobile No. / Phone: \_\_\_\_\_  
 Participant Admin., HR, etc., if applicable

Email: \_\_\_\_\_  
 Participant Admin., HR, etc., if applicable

Fee (HK\$): Please tick one HKTIC member \$4,000  Others \$4,800

Certificate (HK\$): Please tick one Physical certificate \$10  E-certificate free

Payment: \_\_\_\_\_  
 Cheque \_\_\_\_\_ Bank \_\_\_\_\_  
 CTT / CTP members could enjoy a \$200 discount.\*  
 Amount \* \_\_\_\_\_

Receipt Recipient: Please tick one Organization  Participant

Mailing address: \_\_\_\_\_  
**(For receiving the certificate and receipt):** \_\_\_\_\_

I/We do not agree with the use and provision of my/our personal data for receiving any promotional materials from Hong Kong Association for Testing, Inspection and Certification Ltd and/or its service providers .

**For registration**, please

- 1) email the completed registration form to info@hktic.org;
- 2) prepare a signed crossed cheque payable to "Hong Kong Association for Testing, Inspection and Certification Limited"; and
- 3) post the completed registration form and signed crossed cheque on or before 23 February 2026 to HKTIC Secretariat, 1/F., CMA Building, 64-66 Connaught Road Central, Hong Kong.

**For enquiry**, please contact HKTIC Secretariat

Email: info@hktic.org  
 Tel.: (852) 3652 7515