



# National Institute of Training for Standardization (NITS) Bureau of Indian Standards

## 2 DAY ONLINE TRAINING PROGRAMME ON INTER LABORATORY COMPARISON, PROFICIENCY TESTING AND EVALUATION OF SCORES(ILC,PT)

01-02 August 2022



### LEARNING OBJECTIVES

- Know the requirements of ILC/PT
- Identify types of ILC/PT required for your testing/calibration.
- Plan the PT/ ILC required for your organization
- Plan for statistical requirements of PT/ ILC
- Conducting the PT/ ILC program
- Carry out the statistical calculations for evaluation of the scores (z score)
- Know how to detect outliers in the results
- Homogenization and stabilization of samples prepared for PT

### COURSE OUTLINE



- Inter lab comparison vs Proficiency Testing.
- Proficiency Testing Schemes.
- Evaluation of Proficiency testing results
- Evaluation of Z Scores
- ISO/IEC 17025 Requirements For Proficiency Testing.
- ILAC Requirements For Proficiency Testing
- Exercises/ Workshops.

### PRE-REQUISITES



Availability of a Computer/laptop with a stable internet connection with speakers, camera and mike.

### TRAINING METHODOLOGY

- Interactive Online Sessions.
- Workshops, case studies, and auditing exercises.
- Soft copy of all training material.

### CERTIFICATION

- Certificate of participation with BIS logo will be provided after the completion of the course



### WHO SHOULD ATTEND

- Laboratory/Testing Personnel
- Quality managers/Technical managers.
- Auditors/Internal auditors.
- Expert advisors/Consultants



### FEE AND DISCOUNTS



- Rs.6300 + GST @ 18 % per participant.
- Discount of 10% for 2-5 persons and 15 % for more than 5 persons from same organization.



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### PROCEDURE

The Application has to be made through BIS "Training Portal "as explained below

**VISIT** the **E-BIS Website:** [www.manakonline.in](http://www.manakonline.in)

**CLICK** on the "**Training**" Head

**LOGIN** by clicking on the **blue "LOGIN"** button on the top right corner

**SIGNUP** by clicking on "**SIGNUP**" on the Member Login Page if you are not a member otherwise "**SIGN IN**" using your credentials

**FILL OUT** all the fields and click on "**REGISTER**" and complete the registration process.

**CHOOSE** the course you want to apply for, fill in the required information and "**PAY**" the requisite fee.

### WHY CHOOSE NITS AS YOUR TRAINING PARTNER

- Advantage of being the National Standards Body of India.
- Industry-recognized Courses.
- Rich pool of Trainers with decades of auditing experience across disciplines.
- Course contents developed by subject matter experts.
- Proven track record of delivering public, in-house, e-Learning for leading companies and recognized Government and private organizations.
- Focus on the provision of practical training using real life scenarios.
- Availability of customized training solutions.



**For any further queries, you may contact:**

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