

ISO 13528:2015 STATISTICAL METHODS FOR USE IN PROFICIENCY TESTING BY INTERLABORATORY COMPARISON

Duration: 2 Days

PROGRAMME OVERVIEW

ISO 13528:2015 provides detailed descriptions of statistical methods for proficiency testing providers to use in designing proficiency testing schemes and to analyse the data obtained from those schemes. It provides recommendations on the interpretation of proficiency testing data by participants in such schemes and by accreditation bodies. The procedures in ISO 13528:2015 can be applied to demonstrate that the measurement results obtained by laboratories, inspection bodies and individuals meet specified criteria for acceptable performance.

This course provides the participant on the requirements for statistical design, validation of proficiency test item, review results and reporting summary statistics.

LEARNING OBJECTIVES

- Practice statistical methodologies for designing and analysing a proficiency testing (PT) scheme
- Analyse sample reports for conformity to ISO requirements
- Build an optimal statistical design for the objectives of a PT scheme

COURSE CONTENTS

- Guideline for the statistical design of PT scheme
- Determination of the assigned value and its uncertainty
- Determination of evaluation criteria
- Robust analysis
- Calculation of performance statistics
- Graphical methods for describing performance scores

WHO SHOULD ATTEND?

- Proficiency Testing Provider that provides proficiency testing programmes in the area of testing, calibration, medical testing and inspection
- Chemical and related laboratory analyst in the area of testing, calibration, medical testing and inspection
- Those who develop inter-laboratory comparisons



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