

8th PT/EQA Workshop - Berlin 2014

Report from WG4

The revised ISO 13528

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**Consider the implications of the revised
ISO 13528 standard for PT/EQA Providers**

Group composition

- PTP = 33
- NAB = 7
- Regulating Body = 1
- Lab Association = 2
- From many countries 😊

10. Invalid/obsolete techniques removed
09. New Symbols
08. Difficult issues raised, but not fully resolved
07. Guidance on evaluation with Total Measurement Error
06. Can use z' with consensus mean & stdev
05. Align with ISO guide 35
04. Add new Robust techniques
03. Flag questionable participant uncertainties
02. New statistic Model
01. Link statistical methods to objectives for the PT scheme



Q1. Will the revised standard create issues for you as a provider in the organisation of your PT/EQA schemes?

- Become familiar with the new Standard
- Statistical treatment of qualitative data
- Evaluation of "less than"
- Justification of selection of statistical method
- Implementation of new notation (Soft & docs)
- Low number of participants
- Homogeneity & Stability (how? pre & post from PT)
- How to derive u_{pt} when expert labs are used



Q2. Does the revised standard address those problems encountered with the previous version?

- Use of z' & consensus
- How to manage PTs with few labs
- How to treat "less than"
- How to flag uncertainties
- Mandatory follow-up of Q & U results
- New robust stats available
- Check for normality
- Suppression of ellipses for Youden Plots
- Homogeneity & stability criteria



Q3. Do you foresee a need for guidance on how to implement the revised standard?

Q4. Is the revised standard now applicable to all types of PT/EQA schemes?

- Specific guide per field/sector (μ biology, forensic, ...)
- Homogeneity & Stability (pre/post)
- How to calculate u_{pt}
- Normality test & consensus

Better one good/comprehensive standard than many additional (sectorial) guides