



# Changes in 2014 Standard





# 2014 Standard

- Process began in 2011
- Over 250 comments/suggestions evaluated
- Established subcommittees for:
  - Mobile Laboratories
  - Scopes of Accreditation
- Voted to approve final version on January 29<sup>th</sup>, 2014
- NEFAP EC Approved and established implementation date of April 1, 2016





# 2014 Standard Changes

- Volume I - 41 Changes to Standard
- Volume II – 56 Changes to Standard
- Mostly grammatical/minor edits
- Clarifications for usability
- Compromised language on scopes of accreditation
- Did not make substantive change to language on mobile laboratories



# Volume I Highlights



# Volume I Changes

- Definitions – Added/clarified definitions to be consistent with other modules within TNI (3.7 – 3.14)
- 4.2.8 clarified and added data integrity
  - (e): The data integrity procedures shall be signed and dated by senior management.
  - (f): The data integrity procedures and the associated implementation records shall be properly maintained.
  - (g): The data integrity procedures shall be reviewed annually and updated by management as needed.



# Volume I Changes

- 4.5.5 – added clarification for competent sub: “A competent subcontractor is one that, for example, complies with this TNI Standard for the work in question.”
- 4.13.1.4.3- Section on archived records was removed as repetitive to ISO language
- 5.2.2.2(b) – Removed entire section specifics on data integrity and moved to 4.2.8 as more appropriate place



# Volume I Changes

- 5.3.1 – Added note advising: *“Field personnel should document sampling and measurement conditions that may affect the quality of results including, but not limited to, air temperature, ambient conditions weather conditions, tides, stream stage, etc. Descriptions of sample conditions (e.g. turbidity, odor, less than optimal sample quantity, etc.) should also be noted.”*
- 5.3.3 – Added note advising: *“During field tests and while handling samples, personnel should avoid areas where activities or conditions may adversely affect results, such as temporarily storing samples near volatile liquids, or transporting test items between areas of high temperature contrast.”*



# Volume I Changes

- 5.3.6 and its supporting note on documenting ambient conditions was removed (repetitive)
- 5.6.2.1.4 added two bullets (f) and (g) stating:
  - (f) Data associated with an unacceptable initial or continuing instrument/equipment calibration shall be reported with appropriate data qualifiers.
  - (g) Records of reference standard used for calibrations and reference material certificates shall be retained.
- Section 5.6.2.2.1 and its note were added, as well as 5.6.2.2.2 was added to provide ISO language that was previously missing.





# Volume I Changes

- In Section 5.9.1: Letter (f) was added. o Letter (f) states: Verification of a measurement calibration using a second source.
- In Section 5.9.2: The previous wording for 5.9.2 was moved into 5.9.3 then added new language in 5.9.2 on proficiency testing.
- Section 5.9.3 states: Quality control data shall be analyzed and, where they are found to be outside pre-defined criteria, planned action shall be taken to correct the problem and to prevent incorrect results from being reported.
- Section 5.9.2 states: The FSMO shall participate in a proficiency-testing program that is applicable to its scope of accreditation. o Section 5.9.2 note states: The selected methods should be appropriate for the type and volume of the work undertaken



# Volume II Highlights





# Volume II Changes



# Volume II Changes

- In Section 4.2.5: Letter (g) was removed. Letter (g) stated: Supervision of the applicable portions of the TNI Proficiency Testing Program (as repetitive)
- Section 4.3.7.1 including letters (a), (b), and (c) were removed (as repetitive).
- Section 4.5.1: Both note 1 and note 2 were removed
- In Section 5.2.2: A note was added. *“The requirements within TNI Standard “General Requirements for Field Sampling and Measurement Organizations”, Volume 1, and ISO/IEC 17025 or ISO 9001 could serve as the basis for a quality manual.”*



# Volume II Changes

- In Section 5.7.1.2: This entire section was removed
- 5.8.2 – added ‘proficiency testing’ to possible items to be reviewed at management review
- Section 6.1.1.1 was removed as repetitive
- Section 6.2.6.1 was removed as repetitive
- Section 6.2.6.1 note were removed as specifying programs was not necessary and not inclusive



# Volume II Changes

- Section 7.1.3.1 on Scope of Accreditation
- *Accreditation shall be granted for Field Sampling by Matrix/Technology, and/or for Field Measurements by Matrix/Technology.*
- Section 7.1.3.2.1 note states: *Accreditation may also be granted for Field Sampling/Measurement Methods, or analyte as specific to regulatory programs.*



# Volume II Changes

- In Section 7.2.1.1.1: Letter (d) and bullet (i) were reworded, bullet (ii) was deleted, number 1 and 2 (subsets of bullet iii) were deleted, letter (h) was deleted, letter (i) was deleted, and letter (k) was reworded.
- Section 7.7.5: Letter (l) was added. “Proficiency Monitoring Plan which describes how the FSMO will demonstrate and/or measure proficiency, and shall include any available records.”
- Section 7.8.1.1: Language was added to letter (a), minor changes were made to the note, minor changes were made to (b), letter (c) was reworded for clarity, and letter (e) was deleted.



# Volume II Changes

- Section 7.9.2.1.2: The entire section was significantly reworded.
- Section 7.9.2.1.3: The entire section was significantly reworded.
- Section 7.9.2.1.4: The entire section was significantly reworded.
- Section 8.2.5: The entire section was removed







# Resources Available

- List of substantive changes on TNI website
- List of all changes available
- Copy of Standard with changes highlighted available



# Questions or Comments?



