



## ENVIRONMENTAL LABORATORY SECTOR

### VOLUME 2

# GENERAL REQUIREMENTS FOR ACCREDITATION BODIES ACCREDITING ENVIRONMENTAL LABORATORIES

## Module 2: Proficiency Testing

~~TNI Standard~~ Working Draft Standard

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## PREFACE

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This Standard is the result of many hours of effort by those volunteers on The NELAC Institute (TNI) Proficiency Testing Committee. The TNI Board of Directors wishes to thank these committee members for their efforts in preparing this Standard as well as those TNI members who offered comments during the voting process.

This Standard may be used by any organization that wishes to implement a program for the accreditation of environmental laboratories.

Sections 5.1.2, 5.2.1 c), [5.2.1 e\)](#), [5.2.1.f\)](#), 7.3 a), and 7.3 d) of this document have been processed in accordance with the TNI requirement for a Tentative Interim Amendment. The same or similar amendment will undergo the consensus standards development process within the time-frame specified in SOP 2-100.

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### Standard Revision History

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### Proficiency Testing

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## VOLUME 2, MODULE 2

### Proficiency Testing

#### 1.0 INTRODUCTION, SCOPE AND APPLICABILITY

##### 1.1 Introduction

Volume 2, Module 2 provides the requirements ~~for a Primary Accreditation Body (AB) to to ensure an accredited laboratory or a laboratory seeking accreditation meets that shall be used by an accreditation body (AB) to assess a laboratory to meet the proficiency testing requirements~~ set forth in this Standard.

##### 1.2 Scope

~~The purpose of the TNI PT program is to provide a means for a primary AB to evaluate a laboratory's performance, under specified conditions relative to a given set of criteria in a specific area of testing, through analysis of proficiency testing (PT) samples provided by an external source. The TNI Proficiency Testing program (PT Program) is established to provide for a primary accreditation body (Primary AB) to evaluate a laboratory's performance under specified conditions relative to given set of criteria in a specific area of testing through analysis of samples provided by an external source yielding PT data that are technically defensible on the basis of the type and quality of the PT samples provided.~~

##### 1.3 Applicability

1.3.1 Volume 2, Module 2 is applicable to any accreditation body (AB) that uses this Standard as the basis for accreditation of laboratories regardless of the number of personnel or the extent of testing performed by that laboratory.

1.3.2 ~~This Standard does not apply to fields of accreditation that are not designated as fields of proficiency testing (FoPT) by the TNI Proficiency Testing (PT) Program Executive Committee.~~

#### 2.0 NORMATIVE REFERENCES

Not applicable.

#### 3.0 TERMS AND DEFINITIONS

For the purpose of this Standard, the relevant terms and definitions conform to *ISO/IEC 17011* and *ISO/IEC 17025*. Additional relevant terms are defined below.

~~**3.1** **Analysis Date:** The calendar date of analysis associated with the analytical result reported for an accreditation or experimental field of proficiency testing.~~

~~**3.2** **Experimental Field of Proficiency Testing (Experimental FoPT):** Analytes for which a laboratory is required to analyze a PT sample if they seek or maintain accreditation for the field of accreditation, but for which successful analysis is not required in order to obtain or maintain accreditation.~~

**3.1** **Accreditation Body:** The territorial, state or federal agency having responsibility and accountability for environmental laboratory accreditation and which grants accreditation under this program.

- 3.2** **Accreditation Field of Proficiency Testing:** Analytes for which a laboratory is required to successfully analyze a PT sample in order to obtain or maintain accreditation, collectively defined as: matrix, technology/method, and analyte.
- 3.3** **Field of Accreditation:** Those matrix, technology/method, and analyte combinations for which the accreditation body offers accreditation.
- 3.4** **Field of Proficiency Testing (FoPT):** Matrix, technology/method, analyte combinations for which the composition, spike concentration ranges and acceptance criteria have been established by the Proficiency Testing Program Executive Committee.  
~~Analytes for which a laboratory is required to successfully analyze a PT sample in order to obtain or maintain accreditation, collectively defined as: matrix, technology/method, and analyte.~~
- 3.5** **Primary Accreditation Body (Primary AB):** The accreditation body responsible for assessing a laboratory's total quality system, on-site assessment, and PT performance tracking for fields of accreditation.

- 3.6 Proficiency Testing (PT):** A means to evaluate a laboratory's performance, under controlled conditions, relative to a given set of criteria, through analysis of unknown samples provided by an external source.
- 3.7 Proficiency Testing Program (PT Program):** The aggregate of providing rigorously controlled and standardized environmental samples to a laboratory for analysis, reporting of results, statistical evaluation of results and the collective demographics and results summary of all participating laboratories.
- 3.8 Proficiency Testing Provider (PTP):** A person or organization accredited by ~~the~~ a TNI-approved Proficiency Testing Provider Accreditor to operate a TNI-compliant PT program.
- 3.9 Proficiency Testing Provider Accreditor (PTPA):** An organization that is approved by TNI to accredit and monitor the performance of proficiency testing providers.
- 3.10 Proficiency Testing Sample (PT Sample):** A sample, the composition of which is unknown to the laboratory and is provided to test whether the laboratory can produce analytical results within the specified acceptance criteria.
- ~~**3.11 Proficiency Testing Study (PT Study):**~~ ~~A single complete sequence of circulation of proficiency testing samples to all participants in a proficiency test program.~~
- 3.11 PT Study Closing Date:** The calendar date for which ~~a laboratory must submit analytical results for a PT sample to a PT Provider.~~ analytical results for a PT sample shall be received by the PT provider from the laboratory
- 3.12 PT Study Opening Date:** The calendar date that a PT sample is first made available to any laboratory by a PT provider.
- ~~**3.13 Revocation:** The total or partial withdrawal of a laboratory's accreditation by an accreditation body.~~
- ~~**3.14 Suspension:** The temporary removal of a laboratory's accreditation for a defined period of time, which shall not exceed six (6) months or the period of accreditation, whichever is longer, in order to allow the laboratory time to correct deficiencies or area of non-conformance with the Standard.~~
- 3.15 Secondary Accreditation Body (Secondary AB):** An accreditation body that grants laboratory accreditation for a field of accreditation based on recognition of the accreditation from a Primary Accreditation Body for the same field of accreditation.
- 3.16 Study:** This term refers to a PT Study or Supplemental PT Study.
- 3.17 Supplemental Proficiency Testing Study (Supplemental PT Study):** A PT sample that may be from a lot previously released by a PT Provider that meets the requirements for supplemental PT samples given in Volume 3 of this Standard but that does not have a pre-determined opening date and closing date.
- 3.18 Supplemental PT Study Closing Date:** The calendar date for which analytical results for a PT sample shall be received by the PT provider from the laboratory.
- 3.19 Supplemental PT Study Opening Date:** The calendar date that a PT sample is shipped from the PT provider to a laboratory.
- 3.20 TNI PT ~~Board~~Program Executive Committee:** ~~An board-Executive Committee~~ consisting of TNI members or affiliates, appointed by the TNI Board of Directors, which is responsible for the successful implementation and operation of the TNI Proficiency Testing Program. The duties of the TNI PT ~~Board~~Program Executive Committee are defined in ~~the TNI-PT Board~~their Charter.

- ~~3.20 — **Suspension:** The temporary removal of a laboratory's accreditation for a defined period of time, which shall not exceed six (6) months or the period of accreditation, whichever is longer, in order to allow the laboratory time to correct deficiencies or area of non-conformance with the Standard.~~
- ~~3.21 — **Revocation:** The total or partial withdraw of a laboratory's accreditation by an accreditation body.~~

## 4.0 ACCREDITATION BODY REQUIREMENTS

### 4.1 Primary Accreditation Body (Primary AB)

- 4.1.1 The Primary AB shall ensure the laboratory meets the proficiency testing requirements for initial and continued accreditation as specified in this Standard. In this capacity the Primary AB shall have procedures in place to:
- receive final evaluation reports from any PTPA-accredited PT provider;
  - assess a laboratory to ensure that the analysis of PT samples is performed in accordance with the requirements set forth in this Standard;
  - evaluate final evaluation reports as specified in this Standard;
  - deny, suspend or revoke a laboratory's accreditation when the laboratory has not met the requirements of the proficiency testing program as specified in this Standard;
  - maintain the current accreditation status of laboratories in their program in the National Database, when the database is established; and
  - notify all Secondary ABs of revocation of accreditation of any laboratory in their program.

4.1.2 The Primary AB shall not require calibration ranges that are not typically employed by the laboratory for the sole purpose of analyzing PTs.

~~4.1.2 The Primary AB shall allow a laboratory to withdraw from a study for any FoPT on or before the close date of the study. Withdrawing from a study shall not exempt the laboratory from meeting the semi-annual analysis requirement necessary for continued accreditation.~~

~~4.1.3 The Primary AB shall accept evaluation reports from any PTPA-accredited PT Provider.~~

~~4.1.4 The Primary AB shall accept results from non-PTPA-accredited PTPs when the FoPT is not available from any accredited PTP.~~

### 4.2 Secondary Accreditation Body (Secondary AB)

- 4.2.1 The Secondary AB shall accept ~~the~~ assessment decisions made by the laboratory's Primary AB regarding a laboratory's performance and compliance with the proficiency testing requirements set forth in this Standard.
- 4.2.2 The Secondary AB shall not impose additional requirements for proficiency testing that are not included in this Standard as a requisite for initial or continued accreditation.

## 5.0 REQUIREMENTS FOR ACCREDITATION

### 5.1 Initial Accreditation - Chemical Testing, Radiochemical Testing, Asbestos and Microbiology

- 5.1.1 The Primary AB shall require that a laboratory seeking initial accreditation for a field of accreditation successfully analyze two (2) unique PT samples for for any fields of accreditation that are also designated accreditation FoPT. The primary AB shall not require analysis of a PT sample as a condition of initial accreditation for any field of accreditation that is not also an accreditation FoPT. Unique performance evaluation scores are from two different PT samples.

Note: Accreditation FoPT are established by the TNI PT Program Executive Committee. ~~the corresponding FoPT for which the laboratory seeks accreditation.~~

- 5.1.2 The Primary AB shall require that the PT samples for initial accreditation ~~be are~~ obtained from ~~any~~ a PTPA-accredited PT provider that is accredited to manufacture and distribute PT samples for the accreditation FoPT. ~~as part of a TNI-compliant PT study, unless there are not any PTPA-accredited PTP for the FoPT in which case the PT sample may be purchased from any PTP and the AB shall accept the results from the PTP selected by the laboratory.~~

5.1.3 ~~When the PT samples used for initial accreditation are analyzed by the laboratory prior to the date of application, the Primary AB shall ensure the closing date of the earliest PT sample analyzed is no more than eighteen (18) months prior to the application date for accreditation and the closing date of the most recent PT sample no more than six (6) months prior to the application date for accreditation. The analysis date of the PT samples for an accreditation FoPT shall be no more than eighteen (18) months prior to the application date for accreditation, with the analysis date of the most recent PT sample for an accreditation FoPT having been no more than six (6) months prior to the application date for accreditation.~~

~~5.1.4 There shall be at least fifteen (15) calendar days between the analysis dates of successive PT samples for the accreditation FoPT.~~

~~NOTE 1: The requirements for successful performance are described in Section 6.0.~~

~~NOTE 2: The requirements for supplemental PT samples are specified in Volume 3 of this Standard.~~

~~NOTE 3: The TNI PT Board maintains the official listing of FoPT and experimental FoPT on the TNI website.~~

## **5.2 Initial Accreditation - Whole Effluent Toxicity**

- ~~a) To attain initial accreditation the primary AB shall assure that the laboratory has participated in one successful PT study for each accreditation FoPT that correspond to the fields of accreditation for which the laboratory has applied.~~
- ~~b) The PT samples used to fulfill the participation requirement must be obtained from a PTPA-accredited proficiency test provider (PTP) approved to provide PT samples for the FoPT.~~
- ~~c) The closing date of the PT study used to establish participation shall be shall be no more than eighteen (18) months prior to the date of application.~~

## **5.3 Continued Accreditation - Chemical Testing, Radiochemical Testing, Asbestos, and Microbiology**

~~5.2.1 In order to maintain accreditation, the Primary AB shall have procedures in place to verify that laboratories meet the following requirements for continued accreditation; that track the following requirements:~~

- ~~a) The laboratories has analyzed analyze at least two (2) TNI-compliant PT samples per year of the most recent three (3) for each accreditation FoPT for which the laboratory holds accreditation~~

~~Note: PT results are required by federal drinking water regulation, per test method rather than technology for potable water PTs. with the Primary AB.~~

- ~~b) The PT samples analyzed by the laboratory were obtained from a PTPA accredited proficiency test provider PTP that is accredited to manufacture and distribute PT samples for the accreditation FoPT.~~

~~The laboratories maintain a history of at least two (2) successful performances out of the most recent three (3) PT samples analyzed for the same accreditation FoPT.~~

- ~~c) The laboratories obtain PT samples from any PTPA accredited PTP unless there are not any PTPA-accredited PTP for the FoPT in which case the PT sample may be purchased from any PTP and the AB shall accept the results from the PTP selected by the laboratory.~~

ec) The opening dates of successive PT samples used for continued accreditation for the same accreditation FoPT shall be at least five (5) months apart and no longer than seven (7) months apart unless PT samples are not available from any PTPA approved PTP within this time frame, in which case the laboratory shall analyze the PT samples in the minimum time-frame in which the PT samples are available.

NOTE: A Primary AB may specify the month(s) in which laboratories within its accreditation authority obtain PT samples and if the Primary AB chooses to specify such, then the Primary AB shall adhere to the time-frames specified in this section.

#### **5.4 Continued Accreditation- Whole Effluent Toxicity**

To maintain accreditation the laboratory shall demonstrate to the primary accreditation body (Primary AB) a performance history of one "Acceptable" performance evaluation score per calendar year for each accreditation FoPT that correspond to the fields of accreditation for which the laboratory is accredited.

~~Ensure that the analysis dates of successive PT samples for the same accreditation FoPT are at least five (5) months apart and no longer than seven (7) months apart unless the PT sample is being used for corrective action to reestablish successful history in order to maintain continued accreditation or is being used to reinstate accreditation after suspension, in which case the analysis dates of successive PT samples for the same accreditation FoPT shall be at least fifteen (15) days apart.~~

~~5.2.2 — When PT samples are not available for the FoPT from any PTPA recognized PT provider at least twice per year, the Primary AB shall require the laboratory to analyze the PT samples in the minimum time frame in which the PT samples are available from any PTPA recognized PT provider.~~

~~5.2.3 — If the laboratory holds accreditation that is designated an experimental FoPT, the primary AB shall require the laboratory to analyze two (2) PT samples for the experimental FoPT per year using the same time frames specified for accreditation FoPT. However, successful performance of the experimental PT is not a requisite for initial or continued accreditation.~~

~~NOTE: — A Primary AB may specify the month(s) in which laboratories within its accreditation authority shall participate in PT studies and if the Primary AB chooses to specify such, then the Primary AB shall adhere to the semi-annual schedule.~~

## 6.0 REQUIREMENTS FOR REVIEW OF PT SAMPLE ANALYSIS RECORDS DURING ON-SITE ASSESSMENTS~~ASSESSMENT OF PT SAMPLE ANALYSIS~~

~~6.1~~ During the on-site assessment the Primary AB shall review laboratory records to verify the following:

- ~~a) The time frame between successive PT studies for an accreditation FoPT is in compliance with the time-frames specified in this Standard.~~
- ~~b) The PT sample for the accreditation FoPT was obtained from a PTP that is accredited to manufacture or distribute PT samples for the accreditation FoPT.~~
- ~~c) The laboratory maintains a successful performance history of 2 out of 3 for each accreditation FoPT.~~

~~PT samples for accreditation FoPT were prepared in accordance with the instructions provided by the PTP and subsequently prepared and analyzed by the laboratory in accordance with the laboratory's standard operating procedures.~~

~~The laboratory performed root cause analysis for accreditation FoPT results that were scored "not acceptable".~~

~~The Primary AB shall assess the laboratory to ensure that PT samples are tracked, prepared, and analyzed in the same manner as routine samples.~~

~~The Primary AB shall require the laboratory demonstrate through their records that:~~

- ~~a) PT samples are tracked through the laboratory in the same manner as routine samples;~~
- ~~b) PT samples are prepared according to the PT provider's instructions and subsequently handled as a routine sample;~~
- ~~c) PT samples are analyzed under the same analytical conditions and instrument calibrations as used for routine samples;~~
- ~~d) the type, composition, concentration, and frequency of quality control samples analyzed with the PT samples are the same as with routine samples;~~
- ~~e) PT samples are not analyzed multiple times unless routine samples are analyzed multiple times and results from multiple analyses are calculated in the same manner as routine samples;~~
- ~~f) the laboratory has procedures in place for the analysis of environmental and PT samples when the concentration range of the samples is outside of its normal range of measurement;~~
- ~~g) the laboratory has performed corrective action for any unacceptable evaluation received from the PT provider for any FoPT.~~

~~6.2~~ Note: If during record review a Primary AB discovers that the laboratory analyzed QC standards that a PTP has suggested or directed a laboratory to purchase QC standards with the PT samples that are specifically designed for the sole purpose of improving the laboratory's performance for a given PT sample or that the PT provider has given the laboratory analysis instructions beyond those specified in this Standard, the Primary AB shall report the results of their findings to the PTP's PTPA.

- 6.3 The Primary AB shall allow the laboratory to analyze the same PT sample using different technologies and/or multiple test methods for any FoPT. If a laboratory reports more than one test method per technology per FoPT, an unacceptable score for either test method shall result in an unacceptable score for both test methods for that FoPT.

## 7.0 REQUIREMENTS FOR ASSESSMENT OF ~~FINAL~~ PT EVALUATION REPORTS

~~7.1~~ The Primary AB shall ~~complete the assessment of review~~ the ~~final~~ evaluation report ~~issued by the PTP to verify the laboratory has met the proficiency testing requirements set forth in this standard~~ within sixty (60) days of receipt of ~~each study~~the report ~~and determine the accreditation status for any field of accreditation for which Not-acceptable evaluations were assigned for the corresponding FoPT from the PTP.~~

- ~~7.2~~ The Primary AB shall consider the analytical result for a FoPT acceptable when the result reported by the laboratory for a FoPT is evaluated acceptable by the PT provider.

This evaluation shall include verification of the following:

The time frame between successive PT studies for an accreditation FoPT is in compliance with the time-frames specified in this Standard.

- a) The PT sample for the accreditation FoPT was obtained from a PTP that is accredited to manufacture or distribute PT samples for the accreditation FoPT.
- b) The laboratory maintains a successful performance history of 2 out of 3 for each accreditation FoPT.

Note: The PT scoring criteria for PTPA recognized PT providers is specified in Volume 3 of this standard. If the Primary AB discovers or is otherwise notified that the PTP did not follow the scoring criteria specified in this standard, the Primary AB must report their finding to the PTOB-PTPA that issued the accreditation to the PTP. If the score issued by the PTP for the accreditation FoPT was erroneously scored "not acceptable" or "acceptable" by the PTP the Primary AB shall overturn the performance evaluation issued by the PTP and score the analytical result per the requirements specified in V3 of this standard.

Note: If the laboratory is accredited for multiple test methods by the same technology within the same field of accreditation matrix the laboratory is not required to analyze a PT sample for each test method except for the matrix drinking water where the laboratory must report a PT result per test method for each accreditation FoPT.

Except as noted for drinking water, the laboratory may report one result for an accreditation FoPT per technology and an acceptable performance score for the test method reported is considered acceptable performance for all test methods by the same technology within the same field of accreditation matrix. Alternatively, the laboratory may report a result for each test method. If the laboratory reports an analytical result for an accreditation FoPT by more than one test method; an unacceptable score for an accreditation FoPT will be applied only to the test method for which the unacceptable result was reported.

- ~~7.3~~ The Primary AB shall consider the analytical result for a FoPT not acceptable when:

- ~~a) the result reported by the laboratory does not meet the criteria for "acceptable" as specified in V3, Section 10.3 and associated subsections of this Standard. If the criteria in V3, Section 10.3 are met, and the result for the FoPT was scored "not acceptable" by the PTP, the AB shall overturn the performance evaluation and score the analytical result "acceptable";~~
- ~~b) the laboratory does not report results for an accredited FoPT within the timeframes specified in this Standard;~~

- ~~c) the laboratory makes any reporting error or omission that results in a non-specific match between the analytical result for the FoPT and any criterion that identifies the laboratory or the field of accreditation for which the PT sample was analyzed for the purpose of initial or continued accreditation; or~~
- ~~d) the laboratory submits analytical results for a FoPT from a PT provider that is not accredited by the PTPA unless there are not any PTPA-accredited PTP for the FoPT in which case the PT sample may be purchased from any PTP and the AB shall accept the results from the PTP selected by the laboratory.~~

## 8.0 **REQUIREMENTS FOR RE-ESTABLISHING PERFORMANCE HISTORY ASSESSMENT OF CORRECTIVE ACTION**

### 8.1 **Chemistry, Radiochemical Testing, Asbestos, and Microbiology**

The laboratory shall be allowed, to analyze a PT sample outside of the established time-frames to re-establish successful performance history. Re-establishing performance history is defined in section 5.3.1.a.

Note: This is not referring to corrective action for a single failed study.

The Primary AB shall review the evaluation report issued by the PTP to verify the laboratory has met the proficiency testing requirements set forth in this standard within 15 days of receipt of the report from the PTP for the following:

NOTE: A PT sample used for corrective action may be a supplemental PT or it may be a sample from a regularly scheduled PT study.

~~The Primary AB shall assess the laboratory to ensure that the laboratory has performed corrective action for each FoPT for which the laboratory receives an evaluation of not acceptable from the PT provider.~~

### ~~8.2 The Primary AB shall accept the results of a proficiency testing (PT) sample used for corrective action when the laboratory follows these requirements:~~

- ~~a) The PT sample used to re-establish performance history must for corrective action shall be obtained from any PTPA recognized-accredited proficiency testPT provider (PTP) approved to provide PT samples for the FoPT. A-The PT samples shall be from a PT Study or a Supplemental PT Studyscheduled or a supplemental proficiency testing sample may be used for corrective action.~~
- ~~b) Successive PT samples for the same accreditation FoPT are reported at least seven (7) calendar days apart, andThe laboratory shall notify the PT provider that the PT sample is for corrective action to ensure that the PTP provides a PT sample that meets the requirements for supplemental PT samples as specified in Volume 3 of this Standard.~~
- ~~c) Two PTs in are reported from separate preparation and analytical batches.There shall be at least fifteen (15) calendar days between the closing date of a previous study and the analysis date of any subsequent study for the same FoPT.~~
- ~~d) All other requirements specified in this standard for the analysis and reporting of PT samples apply.~~

### **8.2 Whole Effluent Toxicity**

The Primary AB shall evaluate PTs from WET. If the laboratory receives an evaluation of not acceptable for an accreditation FoPT in any study, the P~~R~~iamry AB shall allow the laboratory to choose to re-establish successful history for the accreditation by either analysis of a PT sample

~~from any study or supplemental study or by successful analysis of a standard reference toxicant analyzed after the not acceptable PT. Successful SRT analysis is established per V1M7 Section 4.1.2.~~

~~The subsequent PT sample shall be analyzed and reported in accordance with the requirements described in this Standard.~~

## 9.0 REQUIREMENTS FOR COMPLAINT RESOLUTION

- 9.1 The Primary AB shall submit questions about PT samples or performance evaluations made by the PTP to the PTP. If the PTP is unable or unwilling to resolve the questions, the Primary AB shall refer those questions to the PTP's PTPA.
- 9.2 The Primary AB shall have procedures to resolve a laboratory's question about the validity of a not acceptable evaluation made by the Primary AB for a FoPT in any PT sample or when the validity of an entire study from a PTP may be questionable based on complaints, failure rates or data provided by the PTP.

## 10.0 SUSPENSION OR REVOCATION OF ACCREDITATION

- 10.1 The Primary AB shall suspend the accreditation of a laboratory for a FoPT when:
- the laboratory receives an unacceptable score for the FoPT in two (2) out of the three (3) most recent studies attempted for the FoPT, or
  - the laboratory does not provide a corrective action report to the Primary AB within thirty (30) calendar days of of documented receipt of a request from the primary AB to submit the report to the Primary AB of such report.
- 10.2 To reinstate accreditation for a FoPT after suspension, the primary AB shall ensure that the laboratory meets the requirements for continued accreditation as described in this Standard.
- 10.3 The Primary AB shall revoke the accreditation of a laboratory for a FoPT when:
- the laboratory does not participate in the PT program as required by this Standard, or
  - the laboratory submits results for PT samples that were generated by another laboratory.
- 10.4 To reinstate accreditation after revocation, the primary AB shall require the laboratory to meet the requirements for initial accreditation as described in this Standard.

NOTE: The Primary AB may have regulatory processes for revocation and/or suspension that supersede the conditions under which suspension or revocation of accreditation is taken by this Standard.

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