Proficiency Testing Expert Committee

Meeting Summary April 3, 2020

The Committee met via teleconference on April 3, 2020 at 11:00 AM ET. Chair Kirstin Daigle led the meeting. The agenda for the meeting is provided as Attachment 1. Added the agenda item of "PT Studies and the impact of the COVID-19" at the request of Chandra.

Roll call

Nicole Cairns, NYSDOH (Laboratory)	Present
Thekkekalathil Chandrasekhar (Chandra), FLDEP (Laboratory)	Present
Patrick Garrity, KYDOW (AB)	Present
Craig Huff, ERA (Vice-Chair; PT Provider)	Present
Susan Jackson, SC DHEC (Laboratory)	Present
Tim Miller, Phenova (PT Provider)	Present
Reggie Morgan, Hampton Roads San. Distr. (Laboratory)	Present
Rachel Bailey, Advanced Analytical Solutions (PT Provider)	Present
Matt Sica, ANAB (AB)	Absent
Amy Pollard, Occidental Chemical(Laboratory)	Present
Kirstin Daigle, Pace Analytical (Chair; Laboratory)	Present
Sennett Kim, A2LA (AB)	Present
Rachel Ellis, NJ DEP (AB)	Present
Robert Wyeth, Program Administrator	Present

Associate Committee Members Fred Anderson and Audrey Cornell were also present. With a quorum present the meeting proceeded.

Review and approve March 6, 2020 minutes

March 6, 2020 minutes were reviewed and with one editorial change in the spelling of Fred Anderson's name, a motion was made by Craig and seconded by Chandra to accept the minutes. The motion was unanimously approved and will be posted on the TNI website.

Charter Review

Although not required at this time, Kirstin suggested a review of the PTEC Charter. The committee reviewed each section of the 2017 Charter (Attachment 2) and after discussing other possible need to modify the section on "Decision Making" to clarify voting on developing standards for ANS approval, it was decided no changes were needed. The 2017 Charter was accepted by the committee as it is currently written.

2020 Work Plan

Kirstin provided copies of the committee specific SIR summary and a document listing potential topics of concern from previous discussions (Attachment 3). From these documents and other suggestions of the committee, the committee's work plan for 2020 will be derived.

Other topics for future discussion suggested by committee members include the "greater than values" seen primarily in microbiology reporting as well as other methods/procedures. The issue of Aroclor scoring was also suggested as a topic to be addressed by the committee.

After continuing general conversations regarding a work plan, Kirstin asked the committee members to review these documents with the intent to develop a prioritization of topics and development of a detailed work plan during forthcoming meetings.

The SIR previously referred to in the March meeting has not yet been received. Bob will communicate with Lynn regarding the status of this SIR.

Impact of Corona virus on PT Studies

The corona virus pandemic has impacted public and private businesses across the country. Numerous state agencies have been essentially closed as have some laboratories. There are open and on-going PT studies underway and more are scheduled to begin prior to any anticipated resolution to the pandemic. Considering the potential impacts of problems with PT reporting and the subsequent potential for revocation of accreditation of laboratories, the committee is requesting the immediate attention of the AC to this issue. The AC is schedule to meet on Monday April 6, 2020. Bob, on behalf of the committee, will send an email to Lynn requesting that the AC address this urgent concern and bring the issue to some resolution during that Monday call. An ad-hoc group of all potentially impacted parties/committees was also suggested to assist in resolution and/or implementation of a solution. Kirstin was going to contact the chair of the PTPEC and the AC chair to coordinate a conference call as early as next Tuesday (following the AC call) to further address the issue.

The meeting adjourned at 11:45 AM ET on a motion by Tim, seconded by Craig and passed unanimously by committee members present. The next meeting of the PT Expert committee is scheduled for May 1, 2020 at 11:00 AM ET.

Attachment 1

TNI Proficiency Testing Expert Committee Agenda 04/03/20 11:00 AM – 12:30 PM EST

Dial-in using your phone:

United States: +1 712-832-8330

Access code: **822 174**

- 1. Review and approve minutes from previous meetings
 - TNI_PTEC_3-6-2020_draft.2.docx
- 2. Review Charter
 - 3_PTEC Charter 03-03-17 Final
- 3. 2020 Work Plan -
 - 5_Comments-Review of PT Standards 11.01.19
 - 14_SIR PT Summary 01.04.19 PTEC Review
- 4. Impact of Corona virus on PT Studies (added at request of Chandra)

Attachment 2



Attachment 3



5_Comments - Copy of 14_SIR PT Review of PT StandarSummary 01.04.19 P

Laboratory Proficiency Testing Expert Committee (PTEC)

Charter (Revised: 03-03-2017)

Mission

Develop and maintain consensus standards for proficiency testing (PT) that support TNI programs and that address the following elements of a proficiency testing program:

- Roles and responsibilities of program participants.
- Manufacturing, validation and verification of PT samples.
- Accreditation and oversight of PT Providers.
- Management and evaluation of PT sample data by PT Providers (PTP), PT Provider Accreditors (PTPAs) and the Proficiency Testing Program Executive Committee (PTPEC).
- Use of PT samples by laboratories, accreditation bodies, and regulatory programs supported by TNI programs.

Composition of the Committee

TNI members representing applicable stakeholder groups; each serving 3-year terms with a maximum of 2 consecutive terms.

- Stakeholder groups include:
 - Laboratory/Field Sampling Measurement Organization (FSMO)
 - o PT Provider
 - Accreditation Body (AB) (includes ABs of Labs/FSMOs/PTPs)
 - Other (i.e. consultants, 3rd party assessors, etc...)
- A Chair and Vice-Chair are elected from among the committee membership; each serving 1-year terms with a maximum of 3 consecutive terms.
- Membership must maintain balance so that no stakeholder group has a majority.
- Associate members are allowed.

Objectives

- 1. Develop and maintain consensus standards for proficiency testing (PT) that are practical, implementable, and meet the needs of the environmental community.
 - Success Measure:
 - o Adoption of PT standards by TNI and/or other applicable programs.
- Develop and maintain consensus standards for the manufacture of PT samples that ensures PT samples provide equal challenge to participants regardless of manufacturer.
 - Success Measure:
 - Failure rates as summarized by the PTPAs and evaluated by the PTPEC show consistency across PT Providers.
- 3. Develop and maintain consensus standards that support PT sample design and scoring criteria (analyte, matrix, concentration and acceptance criteria) appropriate to evaluate a participant's competency in the field(s) of accreditation for which the PT sample was manufactured.
 - Success Measure:
 - Successful accreditation of PT Providers showing compliance with design and scoring criteria specified in the standards and on the Fields of Proficiency Testing (FoPT) tables approved by the PTPEC and applicable TNI programs.

- 4. Support the PTPEC in the successful and consistent implementation of PT standards.
 - Success Measure:
 - Successful evaluations of accreditation bodies (including ABs of Labs/FSMOs/PTPs) showing appropriate use and implementation of the PT standard.
- 5. Serve as a technical resource to TNI membership.
 - Success Measure:
 - o Prompt response to Standard Interpretation Requests (SIRs).
 - Adoption of guidance documents by TNI that support the PT standards (i.e. Small Lab Handbook)

Decision Making

Decisions of the PTEC are generally made by a majority vote in the presence of a quorum during teleconferences, face-to-face meetings, or by electronic voting, unless an alternate voting procedure is determined to be necessary by the committee.

Available Resources

- Volunteer committee members
- Existing national and international consensus-based standards
- TNI website and other TNI support services (administrative, technical editing, etc.)
- Teleconference and web-based services
- Industry experts

Anticipated Meeting Schedule

- Monthly teleconferences (open to all full and associate members and the general public)
- Additional teleconferences as needed
- Face-to-face meetings during the semiannual TNI Forums (open to all full and associate members and the general public)

Standard	Comment (Received By)	Address in Next Revision	Scale of Revision	PTEC Comments	Revisions Made to Standard	New Standard
Reference	Comment (necessed 24)	(Yes/No)	(Minor/Major)		(Yes/No)	Reference
	Radiochemistry requirements (Bob Shannon)	Yes	Major	Collection of uncertainty by PT Providers; what is the purpose of	,	
			-	collection of this data? what will it be used for?		
2016 - ALL	Review and update to latest ISO/IEC standard where applicable in all volumes. ISO/IEC	Yes	Major	None. Look into including by reference to most current version s	b	
	17011:2017, ISO/IEC 17025:2017, and ISO 17034:2016 (PTEC, Lauren Smith)			that we aren't always out of step with ISO.		
2016 - V1M1, V3?	Standardization of WET PTs and dealing with small data sets (see white paper by Rami)	Yes	Unknown	HOLD until WET expert committee comes up with a plan		
	Add a definition for Secondary AB (PTPEC)	Yes	Minor	HOLD until glossary of terms use finalized.		
2016 - V1M1, V3	Breakdown products - how to report and how to score? - i.e. Endrin, DDT (Matt Sica)	Unknown	Unknown	HOLD until PTPEC Analyte Breakdown Subcommittee reaches a		
				determination.		
	Additional reporting information. Zero (0) values and values associated with greater th	Yes	Major	Work with Micro Expert committee and AC, possible Asbestos. G	et	
	(>) Not Acceptable. Micro - consider whether some > reporting is appropriate.			AC feedback on using FoPT ranges to dilute appropriately, PT		
				Providers - include info in instructions? Labs must follow PT		
2016 - V1M1,	PCB evaluation as a total group vs. individual Aroclors for accreditation.	Yes	Major	Provider instructions. HOLD for PTPEC and AC outcomes regarding this issue		
V2M2, V3	res evaluation as a total group vs. Individual Arociols for accreditation.	res	iviajoi	HOLD TO FIFE and AC outcomes regarding this issue		
	Supplemental PT requirements - qualitative vs. quantitative (lots of grey areas; benzo(l	Yes	Major	Need to work with AC		
	vs Benzo(k) - if they mis-ID, is this qualitative or quantitative failure?) Do we need thes	[
	specificiations: What purpose does this serve? Labs don't have to take supplemental P					
	regain compliance with successful PT frequency history. They can plug along with regul	ar				
	studies (espcially if only one failure). If we keep specific requirements in Volume 3, the					
	we need the labs to be required to comply - currently nothing in lab module about					
	supplemental PTs. (SIR 7 as well).					
2016 - V1M1,	Second column confirmation not explicitly required for PT samples. May need to more	Yes	Unknown	Getting into the weeds; may not want to adress in PT standard;		
	clearly define PT sample as an "unfamiliar" sample with expectations of treating it as a			keep it generic - follow your procedure; should we reach out to t	ne	
ľ	"real environmental sample", even though PT test ranges, PTRLs, and components are			AC; just a procedural thing, not a science thing; very AB depende	nt	
	known when purchased. (SIR 12/8/10 - no#).					
2016 - V1M1: 4.1.2	Definition of FoPT (SIR 266)	Yes	Minor	Clarification		
and 4.3.4						
2016 - V1M1:	What defines a matrix for an FoPT? (SIR 6/27/11 - no#)	Yes	Minor	Add definition of matrices - confirm with glossary of terms		
4.1.2, V3: 5.5.2						
2016 - V2M2: 4.1.5	Revocation notifications to secondary ABs (SIR 275)	Yes	Unknown	Work with AC on who is responsible for revocation notifications		
g)				to whom. Review if anything in lab volume/AB volumes with reg	rd	
				to revocation notifications.		
	PTPA is defined, but not PTPEC - add PTPEC or remove PTPA (PTPEC)	Yes	Minor	HOLD until glossary of terms use finalized.		
2016 - V1M1, V3:	Definition of PTRL is not a great one - could use tweaking (PTPEC)	Yes	Minor	Work with PTPEC on definition.		
	Do we need to provide additional detail on why a referee lab would be needed. (PTPEC	Voc	Minor	Contact PTPEC for further clarification.		
2010 - V3. 4.0	bo we need to provide additional detail on why a referee lab would be needed. (Fire Ec	yres	Willion	contact FIFEC for further claimcation.		
2016 - V3:	Add "with the justification for modification(s)." to the end of the phrase as is done in	Yes	Minor	Clarification; is cost prohibitive or not available a technical reason		
	Section 5.7.1.2 (PTPEC)					
	Should biased and unbiased verification methods be more clearly defined (PTPEC)	Yes	Minor			
and 5.6.1.8 a) and						
b)						
2016 - V1M1:	Conflict in less than (<) reporting for non-detected analytes; can report and less than (<	Yes	Unknown			
4.2.3, 4.3.5 and	value, not just less than (<) PTRL and be scored acceptable.					
4.3.7 c), V3						
2016 - V1M1, V3	Prep Methods	No	n/a	List of combinations of prep and analytical methods is large;	n/a	n/a
2016 V1M1 V2M2	Who determines what fields of accreditation have corresponding fields of proficiency	No	n/a	beyond PT; other expert committees need to be involved	n/a	n/a
	testing? Is it the Primary NELAP AB? Does this need to be part of the standard or shoul		.,, 3	and the determinant of the Country o	.,, .	, 3
	be a NELAP AC policy? (Carl Kircher)					
	VHS criteria - would like to have specific criteria/calculations that PTPs must follow and	No	n/a	Comment received prior to inclusion of ISO 13528 in V3 for	n/a	n/a

Standard	Comment (Received By)	Address in Next Revision	Scale of Revision	PTEC Comments	Revisions Made to Standard	New Standard
Reference		(Yes/No)	(Minor/Major)		(Yes/No)	Reference
2016 - ALL	Legionella - would this require updates to standard if new PT (Donna Ruokonen)	No	n/a	PTPEC issue if an ARA received	n/a	n/a

#	Date	2003	2009	2016	Actual Request	Final Response	Jerry's Comment	Applicable to 2003	Applicable to 2009	Applicable to 2016	Addressed/Clarified in 2016 Standard
72		Ch 2: 2.2.3	V1M1: 4.1.1	V1M1: 4.1.2	The SCM PT standard for TPH references HEM/SGT on the FoPT. HEM/SGT is a method defined analyte for method to 1664A. The scope and application section of 1664A says that it is for "surface and saline waters and industrial and domestic aqueous wastes". Therefore, the method has to be modified to be performed on solid and chemical materials. Is it appropriate to have a required PT for a non- standard method?		This SIR is valid for the 2009 and 2016 standards.	Yes.	Yes.	Yes.	No, but this topic cannot be addressed in the standard; TNI does not define method suitability of FoPTs. This specific example is no longer an issue - TPH no longer on SW FoPT table; but general question still applies as TPH is on the NW FoPT table.
		Ch 2: 2.2.3	VIM1: 4.1.1	4.1.2	We are currently accredited for method SW 846 8151, but we want to add Pentachloropheno by 8151 to our xope. Pentachloropheno is not listed as requiring PT with the other Herbicides that are analyzed by 8151 that are listed. Therefore, interpret that as Pentachlorophenol by method 8151 does not require PT. Our Accrediting Body says otherwise. They contend that because Pentachlorophenol is listed under the Acid Extractables (Method 625 or 8270) that require PT, it also requires PT if we want to add it to our 8151 scope.	When this SIR was initially submitted for consideration, the TNI PT program worked to establish additional F0PTs for so-called "dual-purpose" and "overlapping" analytes. The SCM F0PT Table that went into effect on 13/2012 added an additional listing for Pentachlorophenol in the grouping with other Herbicides analytes for possible use with methods such as EPA 8151. At that time, insufficient PT data was available to support the addition of Pentachlorophenol to the NPW F0PT Table. The TNI PT Program has no control over the business practices of PT Providers on how they package, market, and distribute their PT samples. Therefore, the only recourse within the supplices of TNI are to petition the PTPEC with add the analyte in question as a separate entry with separate concentration range and acceptance limits. This could be done by submitting an Analyte Request Application to the PTPEC, with TNI NELPA AB sponsor and supporting PT data justifying the addition of the requested analyte.		Yes.	ves.	Yes	No, but this topic cannot be addressed in the standard; TNI does not define method suitability of FoPTs.
96	10/14/09	Ch 2: 2.5	V1M1: 5.1.1 & V2M2: 6.1	& V2M2:	Section 2.5 of the 2003 RELAC standard states "When analyzing a PT sample, a laboratory shall employ the same calibration, laboratory quality control and acceptance criteria, sequence of analytical steps, number of replicates and other procedures as uses when analyzing routine samples." Questions 3 through 11 of the RELAC shedist contain additional details for this section of the NELAC standard. 1. Are these statements an official interpretation? 2. A laboratory analyzes the PT provider companion quality control sample with the unknown PT sample. The laboratory includes all routine QC, such as blanks, LCS, etc. in the batch. In addition to using the routine QC criteria, the companion QC sample is used to determine the acceptability of the batch containing the PT. This is not a routine practice of the laboratory. Is this considered a finding versus Section 2.5 of the NELAC standard?	It is the consensus of the PT Committee that Questions 3-11 are appropriate interpretation of the requirements specified in Section 2.5 of the 2003 NEAC Standard. 2) It is the consensus of the PT Committee that the scenario described in the problem is a finding against Section 2.5 of the NELAC Standard.	The 2009 standard (V2) contains explicit language concerning the routine analysis of PT samples. The 2016 standard (v2) removed most of the laguage in the 2009 standard, but does the AB to report to the PTPA and laboratory than analyzes QC samples along with PT samples. Section 4.2.2 of V1MStates 'PT samples shall be analyzed in accordance with the laboratory's established standard operating procedures (SCPD) using the same quality control (QC), acceptance criteria and staff as used for the analysis of routine environmental samples." This SIR is likely obsolete.	Yes.	Yes.	Yes.	Yes, but SIR is still applicable to all standards to provide proper interpretation/clarification of the standard; all standards adequately address the topic of QC with PT samples.
31	10/15/08	Ch 2: 2.6	V3: 10.	5.9.2.4-	has protocol in place for all non-NELAC PT programs. After deals with this issue. However, in the sea of the NELAC PT program, AFG less strongly that since NELAC evaluation limits are regulatory and are written into State laws that we have no option but to apply the NELAC FOT requirements as written without exception regardless of samples size. However, the A2LA auditors are requiring us to use an alternative evaluation technique based upon our own technical judgment, or prior studies on a case by case basis. While is would be simple to implement a criteria based upon professional judgment it would raise issues of objectivity. Such a procedure would lead to variability in laboratory evaluations, and be in conflict with the NELAC level playing field concept. Such practices would lead to arbitrary and inconsistent evaluations. It	Proficiency Testing Tables should be adequate to meet ILAC G13 requirements in most cases. For those analytes where the acceptance criteria are based on fixed limits or upon regression equations, these limits and criteria are based on aggregate PT data spanning several years from multiple PT providers. Of course, the NEAP Program requires PT results to be scored acceptable or unacceptable based on these published limits. If the number of participants in the PT study is small, the acceptance limits upublished in the Tables still need to be used. However, since these limits are based on the aggregate scientific and statistical analyses, the TNP PE Board thinks that using these limits would satisfy ILAC G13 requirements for small data sets. The PTP rovider should not have difficulty using this as justification and this justification should carry more tangible, defensible weight compared with any other alternatives that could be considered. Nevertheless, there are Fields of Proficency Testing where the acceptance limits are still based on consensus participant mean and a PT-study specific standard deviation. In these cases, the PT provider would definitely need to formulate an alternate procedure to handle small data sets. However, the TNP FB Board cannot really provide or advocate a specific protocol to use in these instances. In fact, it may be scientifically unsound to doe, so, since other procedures and statistical models (e.g., torretiran, Maxwellian, chi-squared, or Poisson, as opposed to Gaussian) may work better. In addition, the PT Provider may need to adapt or change models and procedures used		Yes.	No.	No.	Yes. Small data sets were adequately addressed in Section 10.2 of 2009 V3 and Section 5.9.2 of 2016 V3.

# Date Submitte	2003	2009 2016	Actual Request	Final Response	Jerry's Comment	Applicable to 2003	Applicable to 2009	Applicable to 2016	Addressed/Clarified in 2016 Standard
7 06/27/08	Chapter 2: 2.7.3.1 d	V3:8.4.2 V3: & 8.4.3 5.4.3.1 5.4.3.3	For corrective action supplemental studies, the assigned values for all analytes requested by the laboratory must not be equal to zero with the exception of the qualitative PCB group and qualitative microbiology." For years we have been ordering corrective action supplemental studies for PCB's by asking for specific archivers (that were missed in the original PT sample) and have been allowed to do so. Recently our provider could not fill an order and I went to a different provider. They told me that I could not specify an arochior for a supplemental study. When I inquied about why I could not do so they told me that I sould not despital. Before I called them I thought that there must be something in the standard that it was over looking and I found the above citation. I talked to several people at the IDEQ, they were not aware of this citation and they seemed to be easy persuaded either way. My interpretation of the standard is that we should have never been allowed to specify arochiors for supplemental studies. If this is true then I seem like a big dilemma, because I have not been able to find a single person who already knew about this and I have talked to a lot of people. We are trying to do the right thing, but we are getting mixed signals and no one seem to be on the same page. There is a specific exception for PCB's, but it is vague and no one is interpreting it the same way. What are we suppose to do?		2009 standard does not mention PCBs. 8.4.3 of V3 does indicate micro PT- may be 0. The 2016 standard has a significant rewrite and specifically mentions aroctors and microbiology. The SIR is still valid thru the 2016 standard	Yes.	Yes.	Yes.	No. The difference between a supplemental PT needed for quantitative salurings was not fully addressed for analyte groups.
75 7/27/09	Ch 2: 2.2.1 & C.3	V3: 10.3.1 V3: 5.9.3.1	The result for EDB of <0.500ug/L was scored "not acceptable", against the true value of 0.299ug/L and limits of 0.179-0.419ug/L. This result is not identified as consideration for unacceptable criteria. We disagree, and feel that this result should be scored acceptable. 0.299ug/L is less than 0.500ug/L.		reintroduces PTRLs, and this the SIR is still valld for 2016. There are significant differences between the 2003, 2009 and 2016 standards.	Yes.	No.	No.	Yes. Section 5.9.3.1 of 2016 V3 states that a < value reported for any anlayte with an assigned value above the PTRL will be scored as not acceptable.
7 06/27/08	Ch 2: C.3	V3: 10.3.1 V3: 5.9.3 & 10.3.2	Based upon a question from a customer I checked the FOT tables and NELAC Chapter 2 and I can't find a requirement for evaluation of "less than" (c) values. This was in the Criteria Document and I think was supplemented by a NELAC Board policy both or which would be invalid now. If you agree, I think the FT Board needs to Implement a Policy on "less than" reporting immediately to fill the gap until the TNI Standard, which is very poor, in this area is implemented.	until such time as the TNI Standard Volume 3 is implemented, on the evaluation/scoring of PT results reported as "less than" (<) or zero values. This new policy will replace previous policy as outlined in the NELAC BOD Policy #16 (effective	The 2009 standard has explicit language regarding < values. The 2016 standard reintroduces PTRLs, and has different language regarding < values. There are significant differences between the 2003, 2009 and 2016 standards.	Yes, however the Final SIR response did not provide clarification as the policy document needed was never created.	No.	No.	Yes. Section 5.9.3 of the 2016 V3 addresses the scoring of < and > results.
33 10/15/08	Ch 2: B.2.1 & B.2.2	V3:7.1.6 V3: 7.1.7 & 5.6.1.6 7.1.8 5.6.1.7 7.1.10 5.6.1.9		Sections B.2.1 and B.2.2 serve different purposes and are not in conflict. The purpose of B.2.1 is to ensure that each analytical method being used is precise enough to effectively detect any bias or inhomogeneity in the sample. Section B.2.2 provides the specific criteria for evaluating the homogeneity of the sample. Both sections must be followed.	Although these socions have been extensively revised in the 2009 and 2016 standards, the basic response is still valid.	Ves.	Yes.	Ves.	ves. Section 5.6.16 addresses RSO of the method, section 5.6.1.6 addresses RSO of the method, section 5.6.1.7 5.6.1.9 addresses verification of assigned value. NOTE: The final response to this SIR is actually incorrect. 8.2.2 does not provide homogeneity critera, it provides verification of the assigned value criteria. With that said, 9.2.1 and 8.2.2 were two different requirements and these separate criteria still exist in both 2009 and 2016. References for 2009 and 2016 are updated to the analytical method RSO criteria and the verification of assigned value criteria to be consistent with sections cited in the original SIR.

#	Date Submitted	2003	2009	2016	Actual Request	Final Response	Jerry's Comment	Applicable to 2003	Applicable to 2009	Applicable to 2016	Addressed/Clarified in 2016 Standard
32	10/15/08	Ch 2: E.3.2.1	V3: 10.2	V3: 5.9	A similar but more difficult situation occurs with the evaluation of microbiological data sets. In the case of quantitative microbiology, the NLEAC 2003 Standard Chapte 2 Appendix E Section 3.2.1 appears to authorize the PT provider to use alternative evaluation criteria where 20 valid data points are not available. The Appendix appears to be in direct conflict with Chapter 2 Section 2.6 noted above which clearly states that there are no exceptions. The APS procedure in this case was to supplement available interlaboratory data with internal testing data run by the same method as the laboratories. The AZLA auditor found this to be inappropriate. We do not disagree with the auditors in this instance, however, Chapter 2 Appendix E Section 3.2.1 requires any alternate procedure to be approved by the PTOB. Clearly, the responsibility to providing acceptable evaluation criteria lies with the NELAC PT Board as noted in Chapter 2 Section 2.6 and not with either the PT provider or AZLA. In an effort to get appropriate guidance from AZLA as to available acceptable alternate procedures, we requested guidance from the AZLA microbiological adultor. She provided no recommendation on alternative acceptable procedures. Similarly, we requested guidance from the AZLA microbiological adultor. She provided no recommendation on alternative acceptable procedure must be approved by the PTOB that they then have an obligation to provide guidance on an acceptable proced. However, it seems inappropriate for AZLA to accept responsibility for setting NELAC acceptance criteria when that function is vested in the NELAC PT Board by the 2038 MALCA Standart. Therefore, in order to meet the requirement of Chapter 2 Appendix E 3.2.1 alternative guidance must be provided since it is also not the responsibility of the PT provider to establish NELAC evaluation criteria.	Therefore, Appendix E 3.2.1 must be followed and states, in the second sentence, "Sample sets of less than 20 data points may be used only with the approval of the	Although these sections have been extensively revised in the 2009 and 2016 standards, the basic response is still valid.	Yes.	Yes.	Yes.	Ves. Small data sets were adequately addressed in Section 10.2 of 2009 Vs and Section 5.9.2 of 2016 Vs.3, but SIR still applies to the fact that it is the PT Providers responsibility to develop their own statistical procedures for approval by their PTPA.
95 :		Ch 2: F.2.1, F.2.2 & F.3	V1M1: 4.2.1 e)	V1M1: 5.1.2 & 5.2.2	I am confused about the PT requirements for labs doing WET maleyis. The only true PT is the DMRQA - but it runs longer than 45 days - which doesn't meet F.2.2 requirements. I need to know will the DMRQA be allowed and counted as a PT until such a time as the PT providers have other PTs available?	While the DMRQA study containing the WET PT is open for a period longer than 45 days, the laboratory must complete the analysis of the WET PT sample within 45 days of sample receipt in order for the WET PT result to be used to meet 2003 NELAC standard requirements. The laboratory would have up to 45 days from sample receipt to analyse the WET sample and then the remoinder of the DMRQA study period to report the WET PT analytical results to the PT provider.	The 2009 standard extended the time period to 90 days. E 2016 standard removes all references to study dates for WET testing. The SIR no longer applies to the 2009 ro 2016 standards.	Yes, however, the response is misleading, if not inaccurate. F. 2.2.a) Analyze within 45 calendar days of sample receipt: report results within 45 calendar days of completion. "within 45 calendar days of completion" # "remainder of the DMRQA study"	No.	No.	ves. Section 5.2.2 of 2016 VIM1 for WET testing: To maintain accreditation the laboratory shall participate in one (1) WET PT study per calendar year for each accreditation for FT that correspond to the fields of accreditation for which the laboratory is accredited. a) This requirement can be met by annual participation in the EPA DMRQA studies for WET, or b) If the laboratory is not participating in an EPA DMRQA study for WET, the closing dates of subsequent FT study samples for WET testing PT studies must be no more than fourteen (14) months apart.
184 5		Ch 2: 2.7.2	V1M1: 4.2.1	V1M1: 5.2.3	NELAC 2003 2.7.2 says, "For continuing accreditation, completion dates of successive proficiency rounds for a given field of proficiency testing shall be approximately six months apart. Failure to meet the semiannual schedule is regarded as a falied study." This VIM1 4.2.1 says, "The analysis dates of successive PT samples for the same accreditation FOPT shall be a teast five months apart and no longer than seven months apart unless the PT sample is being used for corrective action to establish successful history." There is no lauguage to describe what happens after 7 months have passed. The sentence is missing from TNI that was in NELAC that directed or allowed the addition of a "failed study" when the semiannual requirement was not met. Is it the intent of the standard for ABs to continue treating a failure to meet the semiannual schedule as a failed study? This is a significant enforcement issue since a potential alternative seems to be in VZMZ_103." The Primary AB shall envoke the accreditation of a laboratory for a FoPT when (a) the laboratory does not participate in the PT programs a required by this Standard." This penalty is too severe and problematic for what could be just a missed deadline.	If a laboratory fails to report a single proficiency testing result it is evaluated as "not acceptable" per V2M2 7.3 part b. If the laboratory fails to report results for 2 out of 3 proficiency testing study time frames, then the laboratory's accrediation shall be suspended per V2M2 10.1 for failing to participate in the timeframes specified in the standard.		No.	Yes.	No.	Yes. Section 5.2.3 of V1M1 states a laboratory that fails to analyze and report PT studies for a particular field of accreditation with the frequency specified in Sections 5.2.1 or 5.2.2 for which it seeks to maintain accreditation is charged with a failed PT study.

#	Date Submitted	2003	2009	2016	Actual Request	Final Response	Jerry's Comment	Applicable to 2003	Applicable to 2009	Applicable to 2016	Addressed/Clarified in 2016 Standard
266	7/14/2014	Ch 2: 2.1.3	V1M1: 4.0 & 5.1.1	V1M1: 4.1.2 & 4.3.4	I am having difficult interpreting the requirements outlined in A.O. The main concern is with our metals department where we run methods 2007, 50108, 2008, 8000. If we are analyzing a PT by all four methods and reporting all methods individually, are 2007/60108 and 200,86200 being treated the same? For example, is a failure for Cobath by 2003. Sequivalent to a failure for Cobath by 2002, even if our PT demonstrates that we passed Co by 6020? These methods have different digestions and different method requirement at the instrument level. For the 200 series we utilize a hot block digestion and the 6000 series utilizes a microwave digestion. At the instrument level, the control limits for MS/MSDs and blank spikes are different. The requirements for same-source and second-source checks are different. These are different or all ICP-MS methods? If this is the case, are we able to only run by one method and hold the accreditation for both. The standard references FoPT, with is defined by matrix, technology/METHOD, analyte. Not just based on matrix, technology, analyte.	[FoPT] (2009 V1M1, 3.6) is only included to accommodate EPA's drinking water program where PTs are required per method for the drinking water analytes referenced in the Code of Federal Regulations (CFR, specifically 40 CFR 141. The use of the term "technology" within the definition of FoPT (2009 V1M1, 3.6) only refers to the determinative analytical technology, preparative techniques/methods	VIMI of the 2015 standard was revised to include this statement." An unacceptable score for the reported test method will result in an unacceptable score for all test methods for that accreditation FoPT."	Yes.	Yes.	Yes.	No. While Section 4.3.4 of 2016 VIMI has clarified the scoring of multiple methods within one FoPT, the definition for FoPT has not been clearly defined for the applicability of "method" to the Drinking Water program Only.
181	9/6/11	n/a	V1M1: 4.2.1 a)	n/a	Please clarify the use of "analysis date" in VIM1, section 4.2.1 a) for successive PT samples. The standard states that the analysis date is to be at least 5 months apart and no longer than 7 months apart. TNI defines "analysis date" as the "calendar date of analysis" in the "Terms and Definitions" section. 50, if a PT sample is analyzed on March 15, 2011, is the period anytime between August 2011 and October 2011 (5 - 7 months) acceptable, or, must one use the period August 15, 2011 to October 15, 2011 for the next PT sample?	of accreditation and accreditation matrix by more than one test method using the The term "analysis date" is as defined in the Terms and Definitions. The 5 to 7 month window would be as is described above; PTs must be analyzed between August 15,	Analysis date was removed from the 2016 standard.	No.	Yes.	No.	n/a - Analysis date removed from standard.
	9/12/11	n/a	V1M1: 6.1 b) v: V2M2: 8.2 c)	n/a	There is a discrepancy between these two sections. V1M1 6.1 b) says 15 days between analysis dates for successive PTs for corrective action. V2M2 8.2 c) still uses the closing date of the previous study	There was an oversight in the V2M2 section 8.2(c) requirements. Section V2M2 5.1.4 refers to time between analysis dates for initial Accreditation and Section V2M2 5.1.1 refers to time between analysis dates for Continuing Accreditation. For corrective action are viewed the same as those for continuing accreditation. For consistency within the FT program, the language that is in V1MI 6.1.b is the TN2 009 requirement and should be utilized by the ABs as the requirement for V2M2 section 8.2(c).		No.	Yes.	No.	n/a - Corrective Action PT requirements removed.
	12/8/10	Ch 2: D.1.5.b	V1M4: 1.5.4	V1M4: 1.5.4	Since PTs are supposed to be treated like "real environmental samples", must laboratories perform second column confirmation for "hist" in PT samples analyzed by GC methods? Or, would a PT sample be considered "a positive result detected on a sample from a location that has been prevously tested by the laboratory" and therefore 2nd column confirmation is not required?	The 2003 NELAC Standard (Chapter 5, Appendix D.1.5) and the 2009 TNI Standard (VIM4 1.5.4) require the laboratory to perform confirmations according to the method. The approved methods in Standard Methods for the Examination of Water and Wastewater and the applicable U.S. EPA methods require confirmation on "unfamiliar samples". A PT sample (by design, a sample with unknown composition) is a sample that is "unfamiliar" to the laboratory and therefore requires confirmation per method requirements.	The 2009 and 2016 standards are identical.	Yes.	Yes.	Yes.	No. V1M1 of the 2016 Standard does not have language that explicitly requires second column confirmations in the analysis of PT samples. Therefore, SIR still needed for clarification/interpretation.
275	9/25/2014	n/a	V2M2: 4.1.1 f)		VZM2, section 4.1.1 f) states: "notify all Secondary ABs of revocation of accreditation of any laboratory in the program." Does this standard language require not only for a Primary AB to notify all Secondary ABs of a total revocation of a laboratory accreditation, but to also require notification for a partial revocation? We are requesting this Sin since we are debating the interpretation of this requirement within our own program and because we have only been notified by one other AB in regards to total revocation of a laboratory accreditation. We deter there is a need for clarification on how to interpret/implement this requirement and are uncertain if it is being understood and implemented consistently by other ABs.	This standard clause does not delineate between the types of laboratory accreditation revocations, total or partial. The standard should be implemented such that Secondary ABs are notified of any revocation, total or partial, of a laboratory's accreditation.		No.	Yes.	Yes.	No. Language was not changed between 2009 and 2016 Standard.
	6/27/11			V1M1: 3: 4.1.2, V3: 5.5.2	A laboratory in our program has requested accreditation to measure analytes in biological tissue. The question is "if biological tissues are not listed as a matrix for the current NLEAF felieds of Proficiency Testing, are proficiency tests of solid and chemical materials acceptable to demonstrate proficiency for testing biological testing?"	Biological tissues are not a matrix in the TNI FoPT tables, as such there would be no proficiency testing requirements for this matrix.	The 2016 standard clearly indicates only analytes in FoPT tables are required.	Yes.	Yes.	Yes.	No. Even though V3 sect 5.2.2 of the 2016 Standard states "The matrix for soil P7 samples shall be well-characterized natural soil and shall not contain greater than 90% sand by mass", the standard does not exclude this matrix or Fo?T table as a substitute for biological tissue matrices.
	4/1/11	Ch 2: 2.1.3	V2M2: 6.3	V1M1: 4.3.4	Section 6.3 says: 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 tenchology per FoPT, an unacceptable score for either test method after laten land an unacceptable score for both test methods for that FoPT. If a lab uses 2 different extraction procedures for the same analystical method (e.g. Semi-Volatile CKMS in NPW matrix using Uquid/liquid Extraction sometimes and Solid Phase extraction at other times with any of the same analyse). Would it be acceptable to run a PT sample for each technology/extraction combination as long as extraction at the time in California of the C	The interpretation of the standard is that if PTs are analyzed using multiple preparation methods with being analyzed by a single analytical technology per an FoPT, then if one PT fails, all of the groups under that technology fail, regardless of the preparation method. The PT assessment is made by analytical technology per FoPT.	VIMI of the 2016 standard was revised to include this statement "An unacceptable score for the reported test method will result in an unacceptable score for all test methods for that accreditation FoPT."	Yes.	Yes.	Yes.	No, but this topic cannot be addressed in the standard; TNI does not speak to preparation methods.