

**TNI Stationary Source Audit Sample Expert Committee (SSAS)  
Meeting Summary**

**February 18, 2020**

1. Roll call and approval of minutes:

Chair, Sheri Heldstab, called the TNI SSAS Executive Committee meeting to order by teleconference on February 18, 2020, at 3:10pm Eastern. Attendance is recorded in Attachment A – there were 6 committee members present. Associate(s): Bill Guyton. Guest: Stan Tong.

2. SOP 6-100

Sheri has been in touch with Carl Kircher to review the math for SOP 6-100. From email sent to Carl on 2/14/20:

*Shawn and Carl, I understand that you will be the ones going through the equations. I would be very grateful if you two please check the equations at the end of the SOP and ensure my equations are the ones you were/are using in your SOP? I found these on the internet on a "stats for dummies" type website, and confirmed against the Excel formulae we gave in the table below the equations - I am definitely not a statistician, but was doing my best.*

Carl responded on 2/17/20:

*Dear All,*

*Thank you for the opportunity to review this SOP. I see many (GREAT) commonalities between this SOP and the one formulated for the PTPEC's Chemistry FoPT Subcommittee. I do note a couple differences that should be considered. After these are considered, it will be up to the respective (sub)committees to consider whether changes are needed.*

*In SOP 6-100, Sections 2.0, 5.1, 5.2 (maybe more) specify minimum of 5 participant laboratories, but the later sections specify n as being 20 or more. It is possible that the same volunteer laboratory could analyze the same audit sample single-blind 4 times so as to get the recommended sufficient number of data points for a meaningful statistical analysis. This practice may also be appropriate for A.R.A. applications for the PTPEC where new Fields of Proficiency Testing are being proposed. If this approach is taken, an analysis of variance (ANOVA) should be conducted to see if the within-laboratory variance is statistically different from the among-laboratory variance.*

*The principal procedural differences between the SSAS SOP and the PTPEC SOP are in Section 5.6.4.2. The analogous current PTPEC Chem FoPT procedure is:*

*5.6.4.2.1: The repeated procedure would be Section 5.6.3 where the M (x-axis) and SD (Y-axis) would be displayed graphically and then the linear regression is performed on SD vs. M.*

*The order of operations for 5.6.4.2.2 would be as follows:*

*5.6.4.2.2.1: performed as written but “+/- (2 x SER)” would make this clearer*

*5.6.4.2.2.1A (insert): 5.6.4.2.2.3 copied to here (but also use “+/- (2 x SER) to make this clearer).*

*5.6.4.2.2.2: performed as written, but ALSO 5.6.4.2.2.4 is performed here as well, thus new values of a, b, c, d, R2(mean), SER(mean), R2(SD), and SER(SD) obtained at this step.*

*5.6.4.2.2.3: performed as written, but here use the “+(1 x SER(SD))” removal at this step.*

*5.6.4.2.2.4: performed as written, but ALSO must do the 5.6.4.2.2.2 step (M vs. AV linear regression) here as well, get new values of a, b, c, d, R2(mean), and R2(SD).*

*Of course, the PTPEC SOP Subcommittee may elect to revise the current procedure to align with SOP 6-100 or delineate a revised procedure if the current one no longer appropriate or statistically valid.*

*I really appreciate the presence of Section 7.4 in the SOP 6-100, and I recommend its retention. This guarantees the efficacy of SSAS audit samples (and TNI ELS FoPTs), in my opinion.*

Sheri will consider the response and provide an update at the next meeting.

The Committee reviewed Section 5.6.7.1, and agreed to change "concentration ranges, (applicable concentration ranges)" to "applicable concentration ranges" for clarity.

### 3. Membership Drive

Sheri will be doing a poster at the SES meeting. Glenn England of SES also asked Sheri to submit a short blurb on the SSAS Committee's activities for inclusion in their newsletter. She has been working with the Committee by email to begin getting comments. She reviewed the poster on WebEx. She emailed it to everyone and is asking for input.

Greg noted that it is important to include that TNI has met the requirements to be a Voluntary Consensus Standard Body as listed in the Federal Register.

Sheri is hoping the newsletter and poster will encourage more people to become involved with SSAS. She asked for the Committee to send her ideas of what to include in the Newsletter article.

#### 4. Committee Charter

Sheri noted that the Committee's Charter looks out of date on the website. The format is different than all the other committees. Tom will work with Bob to get the correct Charter posted.

#### 5. PT Provider Follow-up

Sheri asked if Gregg and Michael would be willing to reach out to some PT Providers and see if there is any interest in making SSAS samples. Ilona noted that she thinks this is premature. Need to provide some information about what has changed and why they should consider making audit samples.

Gregg asked if it would be appropriate to have the PTPA's reach out.

Maybe have TNI write a letter and follow-up after the letter in the future.

Sheri spoke with one of the PT vendors at the conference. The competition is too stiff and difficult. They didn't know Sigma had dropped out and there is now only one provider. They might be interested.

Ilona thinks the committee should be able to put something in writing before they reach out. The concepts could be in writing. What changes are going to be made to the provider module. What is the committee doing to make it more conducive to them to enter the program? May not need to be finalized. Could use the summary table we worked on before

Sheri approached the Committee with a question. Which is more critical – SOPs or Standard?

How close are we to finishing the SOPs? Sheri thinks we are 4 meetings from finishing. Gregg noted that this means we will be able to have some time to work on the Standards before NEMC. The lower audit sample concentrations will increase demand.

Changes to the module are what is needed to add a provider.

Since Gregg doesn't see another provider showing interest before next August, he'd prefer to finish up the work to lower audit sample concentrations.

Tom noted that 99% of the inquiries for something lower are HCl. People are looking for them at the lower end of the range. There are some with the metals, but not nearly as much. Tom doesn't think working on the SOPs should hinder getting a provider.

The group concluded they will complete the SOPs and then focus on completing the modules. Sheri noted that she expects the SOP 6-101 to go much faster than SOP 6-100.

## 6. New Business.

- NEMC Chairs, Maria Friedman and Deb Gaynor, have asked Sheri to present at the NEMC Conference during the Air Session. She submitted an abstract on 2/7/20.

## 7. Action Items

The action items can be found in Attachment B.

## 8. Next Meeting

The next meeting will be March 2, 2020 at 2:30pm Eastern. Ilona will send out a WebEx invitation the day of the meeting.

Action Items are included in Attachment B and Attachment C includes a listing of reminders.

Sheri adjourned the meeting at 4:30pm Eastern.

## Attachment A

### Participants

#### TNI

### Stationary Source Audit Sample Expert Committee

<b>Members</b>	<b>Rep</b>	<b>Affiliation</b>	<b>Contact Information</b>
Sheri Heldstab (2022*) CHAIR <b>Present</b>	Lab	Chester LabNet	sheldstab@chesterlab.net
Tom Widera (2023) VICE-CHAIR <b>Present</b>	Other	ERA (Provider)	twidera@eraqc.com
Ilona Taunton, Program Administrator <b>Present/Recording</b>		TNI	Ilona.taunton@nelac-institute.org
Ed MacKinnon (2022) <b>Present</b>	Other	TRC Env Corp (Stationary Source Tester)	emackinnon@trcsolutions.com
Gregg O'Neal (2020*) <b>Present</b>	AB	NC DAQ	gregg.oneal@ncdenr.gov
Katie Gattis (2023) <b>Absent</b>	Lab	Element One Inc.	<a href="mailto:katie.gattis@e1lab.com">katie.gattis@e1lab.com</a>
Michael Klein (2020*) <b>Present</b>	AB	NJ DEP	michael.klein@dep.nj.gov
Michael Schapira (2021*) <b>Present</b>	Lab	Enthalpy Analytical LLC	Mike.schapira@enthalpy.com

## Attachment B

### Action Items – Stationary Source Audit Sample Expert Committee

	<b>Action Item</b>	<b>Who</b>	<b>Date Added</b>	<b>Expected Completion</b>	<b>Completion</b>
2	Find out which group in EPA is helping the Microbiology FoPT Subcommittee crunch numbers for limits.	Ilona	2/12/18	3/19/18	Need to hear back from Jennifer Best. [1/21/20: Eric Smith (PTEC) said that Chemistry FoPT subcommittee working on calculations] [2-18-20: Shawn did not have formulae, but agreed to stay in touch with me to ensure consistency between 6-100 & 4-101]
9	Prepare general summary of what the committee plans to change in the current Standard and why. First DRAFT.	Tom	4/23/18	5/21/18	In progress. [1/21/20: On hold until SOP 6-100 & 6-101 completed]
10	Send ideas on Storage Condition issue to Tom so he can summarize them for an agenda item in July.	All	6/18/18	7/15/18	How to word storage conditions. Leave open. [1/21/20: On hold until SOP 6-100 & 6-101 completed]
18	Update SOP 6-100 based on review during meeting.	Tom	1/22/19	2/24/19	In Progress
34	Complete PTPA Checklist	Ilona/Tom	1/6/20	1/31/20	COMPLETE

	<b>Action Item</b>	<b>Who</b>	<b>Date Added</b>	<b>Expected Completion</b>	<b>Completion</b>
35	Check with Jerry to see if Sheri can represent SSAS at the SES conference in April.	Ilona	1/21/20	2/4/20	Complete. Her name tag will contain committee name.
36	Sheri asked Jerry and Ilona if it's OK to use the TNI logo for the SES Conference poster presentation.	Ilona/Jerry	1/21/20	2/4/20	Complete. Poster abstract submitted 2/6/20.
37	Put current Charter up on the TNI website.	Tom/Bob Wyeth	2/18/20	3/4/20	
38	Comment on Sheri's SES Poster for presentation.	All	2/18/20	3/4/20	
39	Consider contacting PT Providers about providing Audit Samples after more procedures and modules are complete.	TBD	2/18/20	TBD	

