

IEEE/PES TRANSFORMERS COMMITTEE

Fall 2021 Meeting: Virtual

Administrative Subcommittee Minutes

Tuesday, November 9, 2021

1:00 PM – 4:00 PM (CST)

Chair: Bruce Forsyth **Vice Chair:** Ed teNyenhuis **Secretary:** David Wallach
Treasurer: Troy Tanaka **Awards Chair/Past Chair:** Sue McNelly **Standards Coordinator:** Steve Shull

9. ADMINISTRATIVE SUBCOMMITTEE – BRUCE FORSYTH

9.1 Introduction of Members and Guests

The Chair called the meeting to order and attendees were recognized by their identification in the Webex attendee list. Introductions were made of guests.

Members and Guests Present:

Chair.....	Bruce Forsyth
Vice-Chair.....	Ed teNyenhuis
Secretary	David Wallach
Treasurer	Troy Tanaka
Standards Coordinator.....	Steve Shull
Awards/Past Chair	Sue McNelly
Bushings	Eric Weatherbee
Dielectric Tests	Ajith Varghese
Distribution Transformers	Ed Smith
Dry Type Transformers	Casey Ballard
HVDC	Ulf Radbrandt
Instrument Transformers.....	David Wallace for Thomas Sizemore
Insulation Fluids.....	Scott Reed
Insulation Life	Sam Sharpless
Performance Characteristics	Rogério Verdolin
Power Transformers	Bill Griesacker
Standards.....	Dan Sauer
Subsurface Transformers & Network Protectors	George Payerle
Meetings.....	Tammy Behrens

Guests: Malia Zaman, Peter Balma, Poorvi Patel, Ryan Musgrove

Affiliation Changes: Tammy Behrens remains with SPX Transformer Solutions but was purchased by Prolec GE. Hitachi ABB Power Grids name change was updated to Hitachi Energy.

9.2 Approval of Previous Meeting Minutes

The Chair requested if there were comments on the draft Spring 2021 Administrative Subcommittee meeting minutes. Without comments received, the Spring 2021 Administrative Subcommittee minutes were approved by unanimous consent.

9.3 Additions to and/or Approval of the Agenda

The preliminary agenda was previously distributed in advance of the meeting. There were no objections to approval of the revised agenda, therefore the below agenda was approved.

Approved Agenda:

1. **Administrative Topics (:15)** Bruce Forsyth 1:00
 - 1.1. Introductions and Attendance
 - 1.2. Affiliation Change Updates
 - 1.3. Review and Approval of the Agenda
 - 1.4. Approval of Spring 2021 Minutes
2. **Officer Reports**..... 1:15
 - 2.1. Chair’s Report (:15) Bruce Forsyth
 - 2.2. Vice Chair’s Report (:05)..... Ed teNyenhuis
 - 2.3. Secretary’s Report & New Committee Membership Approval (:10)..... David Wallach
 - 2.4. Treasurer’s Report (:05)..... Troy Tanaka
 - 2.5. Recognition & Awards Report (:05) Sue McNelly
 - 2.6. Standards Coordinator’s Report (:10) Steve Shull
 - 2.6.1. Standards Report
 - 2.6.2. Entity Proposal Report
3. **IEEE Report**..... 2:05
 - 3.1. IEEE Staff Update (:10) Malia Zaman
4. **Meeting Planning Report** 2:15
 - 4.1. Meeting Planning Report (:05)..... Tammy Behrens
 - 4.2. S21 Meeting Format Discussion (:05)..... Tammy Behrens
5. **Subcommittee Reports (please limit your report to 4 minutes or less)** 2:25
 - 5.1. Bushings Eric Weatherbee
 - 5.2. Dielectric Test Ajith Varghese
 - 5.3. Distribution Transformers Ed Smith
 - 5.4. Dry Type Transformers Casey Ballard
 - 5.5. HVDC Ulf Radbrandt
 - 5.6. Instrument Transformers Thomas Sizemore
 - 5.7. Insulating Fluids Scott Reed
 - 5.8. Insulation Life Sam Sharpless
 - 5.9. Performance Characteristics Rogerio Verdolin
 - 5.10. Power Transformers Bill Griesacker
 - 5.11. Standards Dan Sauer
 - 5.12. Subsurface Transformers & Network Protectors George Payerle
6. **Unfinished Business** 3:25
 - 6.1. Publication of the Next Digital CD (:05) Peter Balma
 - 6.2. Other (0:05)..... All

7.	New Business (:15)	3:35
7.1.	SCC04 – Proposal to absorb activities into Transformers Committee	Bruce Forsyth
8.	Wrap Up & Adjournment	3:55
8.1.	Wrap Up & Adjournment (:05).....	Bruce Forsyth

9.4 Chair’s Report – Bruce Forsyth

Refer to Section 4.0 of the Main Minutes for a complete “Chair’s Report.”

9.5 Vice Chair’s Report – Ed teNyenhuis

Refer to Section 5.0 of the Main Minutes for a complete “Vice Chair’s Report.”

9.6 Secretary’s Report – David Wallach

Refer to Section 6.0 of the Main Minutes for a complete “Secretary’s Report.”

David Wallach made a motion to approve four new member applications:

- Darrell Mangubat, Siemens Energy
- Colby Lovins, Federal Pacific
- Gilles Bargone, FISO Technologies
- Joseph Tedesco, Hitachi Energy

Dan Sauer seconded the motion. The two new member applications were approved unanimously without opposition.

9.7 Treasurer’s Report – Troy Tanaka

Refer to Section 7.0 of the Main Minutes for a complete “Treasurer’s Report.”

9.8 Recognition & Awards Report – Susan McNelly

Refer to Section 8.0 of the Main Minutes for a complete “Recognition & Award’s Report.”

9.9 Standards Report and New PAR Requests – Steve Shull

Refer to Section 10.0 of the Main Minutes for a complete “Standards Report.” Steve Shull discussed options to address inactive documents. We should reexamine inactive documents and presuming it is stable, a PAR can be opened to ballot the document. We can also withdraw them if we don’t want to keep them valid. Inactive documents are available for sale but might not be useful to users if they are not current. Documents might stay in inactive reserve indefinitely. SC should review inactive reserve documents and consider a PAR or withdraw.

We need to keep work on documents moving. Working Groups that spread activity into parallel paths with Task Forces seems to be a best practice. PAR extension requests are becoming more common, but we need to get our work done within the life of the PAR.

9.10 IEEE Staff Update – Malia Zaman

Refer to **Appendix 7** of the Main Minutes for the full PowerPoint presentation.

9.11 Meeting Planning Report – Tammy Behrens

- 9.11.1 Current Meeting (F21): There are 482 registered as of November 9 but we are expecting more registrants. This will be smaller attendance than our previous with individual feedback point to the moving of the meeting dates as the driver.
- 9.11.2 123Signup has been working well for registration. Some company servers have had issues.
- 9.11.3 Meeting Login credentials were sent November 8 for the virtual meeting. Late registrants will go out by Friday.
- 9.11.4 We will use WEBEX again with similar portal. We have more techs assigned and meeting rooms to pull reports quicker, etc. Training sessions will be conducted later this week (Nov 11-12).
- 9.11.5 We are still seeing some old email addresses on the schedule. We don't review those emails. WG and SC chairs should review this with the schedule review.
- 9.11.6 Note: There are quite a few WG officers not yet registered for the meeting.
- 9.11.7 Jennifer Quandel's contract is complete with IEEE's latest structure and is valid through end of 2022.

9.12 Subcommittee Reports/Hot Topics

Brief reports were received from all the subcommittee chairs.

9.12.1 Bushings Subcommittee | Eric Weatherbee

9.12.1.1 PC57.19.02 Distribution Bushings ready for balloting soon.

9.12.1.2 PC57.19.03 DC Bushings: The chair had to step down and Eric is serving as an interim chair. PAR is approved and working with IEC.

9.12.2 Dielectric Test Subcommittee | Ajith Varghese

9.12.2.1 Core and Frame insulation resistance will be discussed as unfinished business. Draft report has been completed. Discussion will include what to do with the report.

9.12.2.2 PC57.160: Expired in 2020 and is on PAR Extension. It is not making much progress in comment resolution.

9.12.3 Distribution Transformers Subcommittee | Ed Smith

9.12.3.1 PC57.12.35 Bar Coding: Additional input is requested from the user community. Get the word out to support this needed input.

9.12.4 Dry Type Transformers Subcommittee | Casey Ballard

9.12.4.1 Six WG and three TF will meet.

9.12.4.2 PC57.124 is overdue. It is meeting with plans to get approval for SA ballot.

- 9.12.4.3 PC57.12.01 and PC57.12.91 PAR: Many want to extend the range below 600 V having been left to NEMA and UL in the past. If there are any restrictions or concerns, please let the SC know. Nothing prevents us from doing so per Malia Zaman's guidance.
- 9.12.5 HVDC Converter Transformers & Smoothing Reactors Subcommittee | Ulf Radbrandt
 - 9.12.5.1 This SC has two standards that are valid until 2027 and 2030
 - 9.12.5.2 There will be a presentation this meeting for condition monitoring of HVDC transformers.
- 9.12.6 Instrument Transformers Subcommittee | David Wallace for Thomas Sizemore
 - 9.12.6.1 PC57.13.9 IEEE Standard for Power-Line Carrier Coupling Capacitors and Coupling Capacitor Voltage Transformers: Sections devoted to the instrument transformer aspects have been completed in the draft. Communications aspects of the standard are to be coordinated with the PSCC. An update on these efforts is expected at the meeting next week.
 - 9.12.6.2 IEC-IEEE 63245-57.13.8: Meetings to review CD comments ongoing.
 - 9.12.6.3 TF IT Accuracy: This TF continues to meet regarding potential changes to the standard burdens and accuracy definitions. A presentation was given at the last meeting for how VT accuracy can be determined through a combination of measurements and calculations.
 - 9.12.6.4 PC57.13 Looking at PAR and perhaps making it continuous revision.
- 9.12.7 Insulating Fluids Subcommittee | Scott Reed
 - 9.12.7.1 PC57.166 continues to make progress. PAR expires in 2022.
 - 9.12.7.2 PC57.146 will expire
 - 9.12.7.3 637 WG formed
 - 9.12.7.4 PC57.155 WG formed
 - 9.12.7.5 C57.130 Will need to TF chair
 - 9.12.7.6 C57.139 Rainer Frotscher will take on TF Chair role
- 9.12.8 Insulation Life Subcommittee | Sam Sharpless
 - 9.12.8.1 Two documents going to ballot PC57.154 and PC57.169 approved for balloting
 - 9.12.8.2 1276 Annex B PAR for revision being looked at
 - 9.12.8.3 PC57.162 is in year seven and needs to get wrapped up.
- 9.12.9 Performance Characteristics Subcommittee | Rogerio Verdolin
 - 9.12.9.1 Two WG and three TF will be meeting next week.

9.12.9.2 TF Audible Sound discussing draft and will combine meeting with WG.

9.12.9.3 PC57.12.00 Continuous Revision: Core information on nameplate and tolerance on ratio is being discussed.

9.12.9.4 PC57.12.90 Continuous Revision: Status of the revision of the ratio test methods and survey results will be reviewed.

9.12.10 Power Transformers Subcommittee | Bill Griesacker

9.12.10.1 New WG C57.125 PAR.

9.12.10.2 Five new PAR study groups: C57.117, C57.93, C57.135, 638 and Volts/Hertz (Recommended practice per SC vote)

9.12.11 Standards Subcommittee | Dan Sauer

9.12.11.1 PC57.12.00 and PC57.12.90 were on REVCOM for ballot with SASB.

9.12.11.2 PC57.12.80 PAR extension was requested

9.12.12 Subsurface Transformers & Network Protectors Subcommittee | George Payerle

9.12.12.1 Not too much to report.

9.13 Unfinished Business

9.13.1 **CD Standards Collection Plan:** Peter shared a spreadsheet with a list of proposed standards. It would be a good time to do this with C57.12.00 and C57.12.90 being updated and should be available for this collection. Some items on the spreadsheet list may be published soon. Some on the previous CD collection documents are now inactive. Review of the list should note if these inactive documents should be included or struck. SC Chairs should review the list and add to the list with green highlight. Please address for feedback at the F21 Virtual meeting. Provide final feedback by the first week of January 2022 directly to Peter Balma. Inactive Reserve documents will be removed unless we request to maintain. IEEE 4 will be added to the list. Bruce will send the full list after today's ADCOM meeting. The compilation will now be a login to the collection.

9.14 New Business

9.14.1 SCC 04 Activities (see slide deck from Bruce). The scope of the three documents were reviewed. The scope of each versus the scope of the Transformers Committee is a concern. There was general conversations about participation from the various industries. Transformers Committee is a large contributor to SCC04. The scope of the documents would have to modified or manage a joint development with other committees. The Transformer Committee could take it on a lead the efforts but work on revisions as joint development. SCCs were used for broader topics spanning committees. NSI can take the SCC04 document then they could move into the Transformers Committee

Motion by Steve Shull: ~~The Transformers Committee will accept the these three documents into our auspices if SCC04 will consider changing the scope of the active PAR and scope of the other two documents when they are due to match the scope of the transformers committee.~~

~~Seconded by Dan Sauer.~~ [Struct text was the first motion and then amended as follows below]

Motion to Amend by Dan Sauer: The Transformers Committee will accept the documents from SCC04 if SCC04 will modifies the scope of the active PAR to fall within the scope of the Transformers Committee.

Seconded by Steve Shull.

The amendment was approved. There was no discussion on the amended motion. There was no opposition to unanimous approval. Evanne Wang will take this Transformer Committee response back to SCC04 for discussion. Malia will share this response with the SASB.

9.14.2 Another adhoc for Entity standards that may be more open. More to come.

9.14.3 George Payerle suggested we consider having ADCOM regularly meet virtually ahead of the traditional Sunday meeting slot to allow more preparation before the weekday meetings. Dan Sauer made the motion with George Payerle seconding that we make ~~the next~~ all ADCOM meetings virtual ahead of the week of the meeting. [Eric Weatherbee offered an amendment to the motion and George Payerle seconded change word next to 'all' future.] Of the voting members, two opposed, one abstained, and the balance approved to the change the word 'next' to 'all'. A vote was taken for the amended motion and five opposed (Troy Tanaka, Ed Smith, Steve Shull, Tammy Behrens, Scott Reed), and two abstentions (Sue McNelly and Ajith Varghese), and the balance approved. The motion carried.

9.15 Adjournment

The meeting was adjourned at 4:12 PM CST.

Submitted by:

David Wallach,
Secretary, Transformers Committee

November 12, 2021

November 9, 2021 Adcom Meeting Attendance

Last Name	First Name	Affiliation	Meeting Date 11/09/2021
Ballard	Robert	DuPont	X
Behrens	Tammy	SPX Transformer Solutions, Inc.	X
Forsyth	Bruce	Bruce Forsyth and Associates LLC	X
Griesacker	Bill	Duquesne Light Co.	X
McNelly	Susan	Xcel Energy	X
Payerle	George	Carte International Inc.	X
Radbrandt	Ulf	Hitachi Energy	X
Reed	Scott	MVA	X
Sauer	Daniel	EATON Corporation	X
Sharpless	Samuel	Rimkus Consulting Group	X
Shull	Stephen	BBC Electrical Services, Inc.	X
Sizemore	Thomas	ABB Inc.	
Smith	Edward	H-J Family of Companies	X
Tanaka	Troy	Burns & McDonnell	X
teNyenhuis	Ed	Hitachi Energy	X
Varghese	Ajith	SPX Transformer Solutions, Inc.	X
Verdolin	Rogério	Verdolin Solutions Inc.	X
Wallace	David	Mississippi State University	X
Wallach	David	Duke Energy	X
Weatherbee	Eric	PCORE Electric	X
Zaman	Malia	IEEE	X