

IEEE/PES TRANSFORMERS COMMITTEE

Spring 2022 Meeting; Denver Colorado

Administrative Subcommittee Minutes

Tuesday, March 22, 2022
3:00 PM – 6:00 PM (UTC - 4)

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

9. ADMINISTRATIVE SUBCOMMITTEE – ED TENYENHUIS

9.1 Introduction of Members and Guests

The Chair called the meeting to order and attendees introduced themselves by name, affiliation and role in the Administration Subcommittee. Introductions were made of guests.

Members and Guests Present:

Chair.....	Ed teNyenhuis
Vice-Chair.....	David Wallach
Secretary	Bill Griesacker
Treasurer	Troy Tanaka
Standards Coordinator.....	Steve Shull
Awards/Past Chair	Bruce Forsyth
Bushings	Eric Weatherbee
Dielectric Tests	Poorvi Patel
Distribution Transformers	Ed Smith
Dry Type Transformers	Casey Ballard
Instrument Transformers.....	Thomas Sizemore
Insulation Life	Sam Sharpless
Performance Characteristics	Rogerio Verdolin
Power Transformers	Ryan Musgrove
Standards.....	Dan Sauer
Underground Transformers & Network Protectors	George Payerle
Meetings.....	Tammy Behrens

Guests: Malia Zaman, Peter Balma

Affiliation Changes: Troy Tanaka (Burns and McDonnell), Poorvi Patel (EPRI) and Ryan Musgrove (OGE) are first time ADCOM attendees.

9.2 Approval of Previous Meeting Minutes

The Chair requested if there were comments on the draft Fall 2021 Administrative Subcommittee meeting minutes. Without comments received, the Fall 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)** Ed teNyenhuis3:00
 - 1.1. Introductions and Attendance
 - 1.2. Affiliation Change Updates
 - 1.3. Review and Approval of the Agenda
 - 1.4. Approval of Fall 2021 Minutes
2. **Officer Reports**.....3:15
 - 2.1. Chair's Report (:15) Ed teNyenhuis
 - 2.2. Vice Chair's Report (:05)..... David Wallach
 - 2.3. Secretary's Report & New Committee Membership Approval (:10)..... Bill Griesacker
 - 2.4. Treasurer's Report (:05) Troy Tanaka
 - 2.5. Recognition & Awards Report (:05) Bruce Forsyth
 - 2.6. Standards Coordinator's Report (:10) Steve Shull
 - 2.6.1. Standards Report
 - 2.6.2. Entity Proposal Report
3. **IEEE Report**.....4:05
 - 3.1. IEEE Staff Update (:10) Malia Zaman
4. **Meeting Planning Report**4:15
 - 4.1. Meeting Planning Report (:05)..... Tammy Behrens
5. **Subcommittee Reports** (*please limit your report to 4 minutes or less*)4:20
 - 5.1. Bushings Eric Weatherbee
 - 5.2. Dielectric Test Poorvi Patel
 - 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 Ryan Musgrove
 - 5.11. Standards Dan Sauer
 - 5.12. Subsurface Transformers & Network Protectors George Payerle
6. **Unfinished Business**5:10
 - 6.1. Update on new AMS System (:10) Ed teNyenhuis
 - 6.2. SCC04 – Proposal to absorb activities into Transformers Comm. (:10)... Ed teNyenhuis
 - 6.3. Publication of the Next Digital CD (:05) Peter Balma

6.4.	Other (:05).....	All	
7.	New Business (:10)		5:40
7.1	Proposed TC member discount for 2022 Standards PDF bundle	Peter Balma	
8.	Wrap Up & Adjournment		5:50
8.1.	Wrap Up & Adjournment (:10).....	Ed teNyenhuis	

9.4 Chair’s Report – Ed teNyenhuis

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

9.5 Vice Chair’s Report – David Wallach

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

9.6 Secretary’s Report – Bill Griesacker

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

Bill Griesacker made a motion to approve one new member application:

- Timothy Raymond, Electric Power Research Institute, General Interest

David Wallach seconded the motion. The new member application was 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 – Bruce Forsyth

Refer to Section 8.0 of the Main Minutes for a complete “Recognition & Award’s Report.” Bruce Forsyth made a motion that three individuals, William Boettger, Hemchandra Shertukde, and Eduardo Garcia Wild be awarded Outstanding Service Awards for long term contributions to the committee. Dan Sauer seconded the motion. The motion passed as there was no objection to unanimous approval.

9.9 Standards Report and New PAR Requests – Steve Shull

Refer to Section 10.0 of the Main Minutes for a complete “Standards Report.”

9.10 IEEE Staff Update – Malia Zaman

Refer to **Appendix 7** of the Main Minutes for the full PowerPoint presentation. IEEE is requiring a new mandatory slide to be presented at the beginning of all standards development meetings regarding participant behavior to help prevent the possible occurrence of dominance. The slide may be distributed prior to the meeting along with the meeting agenda. It was questioned if this slide and other mandatory slides could be sent to those registered for a meeting in leu of presenting them at each meeting. Malia will look into this possibility.

9.11 Meeting Planning Report – Tammy Behrens

9.11.1 The next meetings will be in Charlotte and Kansas City.

9.11.2 We have about 400 registered attendees for this upcoming Spring 2022 meeting as of March 22, 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 C57.19.02 the new standard for distribution bushings is in the ballot process and has received 200 comments so far. The documents for PARs of 19.00 and 19.100 are both in good shape, and the remaining PAR for DC bushings is new so the work as just begun..

9.12.2 Dielectric Test Subcommittee | Poorvi Patel

9.12.2.1 A new TF for C57.138- Recommended Practice for Routine Impulse Tests was formed with Hakan Sahin as lead. There were a lot of discussions in the fall meeting about core ground resistance limits and best practice. A TF will be initiated in the meeting to address this with the lead of Diego Robalino. All the pars are in good shape right now. Four pars expire in 2022. it is possible that one or two may need extensions to complete the work.

9.12.3 Distribution Transformers Subcommittee | Ed Smith

9.12.3.1 I brought forward that Gary Hoffman's Working Group Guide for Monitoring Distribution Transformers PC57.167 was making good progress and Gary was doing an excellent job moving the group forward but that he was coming up on a PAR deadline on 12/31/2022. In addition, Phil Hopkinson's Task Force on Transformer Efficiency & Loss Evaluation (DOE Activity) was always heavily attended and kept the group up to date on what the DOE activities were. Also, Phil and his group was presetting both Tutorials on Thursday morning on Dual Rated Distribution Transformers.

9.12.4 Dry Type Transformers Subcommittee | Casey Ballard

9.12.4.1 The DTS will have the following groups meeting at the Spring 2022 TC meeting: Revision of PC57.134 and Revision of PC57.16.

9.12.5 HVDC Converter Transformers & Reactors Subcommittee | Ulf Radbrandt

9.12.5.1 We will have a presentation and discussion regarding condition monitoring of transformers with a focus on HVDC transformers. This might be incorporated in the converter transformer standard in the future.

9.12.5.2 Other discussions regarding future work, e.g. preventive maintenance of main HVDC equipment which also might be incorporated in our standards in the future.

9.12.6 Instrument Transformers Subcommittee | Thomas Sizemore

- 9.12.6.1 The recently formed WG to revise C57.13 will meet for the first time on Tuesday morning. This is the primary standard for the instrument transformer subcommittee and significant interest in this revision is expected. SSVT JWG: Progress continues on this IEEE/IEC JWG standard. It is nearing the balloting stage in both standards organizations. An update of the status, upcoming work, etc. is to be presented. C57.13.9: This standard on CCVTs is entering the balloting phase. PSCC is jointly revising this standard. A status update will be provided to the ITSC. TF on IT accuracy will meet to continue work on VT and CT accuracy topics. Results of this effort will be provided to the WG to revise C57.13 once completed

9.12.7 Insulating Fluids Subcommittee | Scott Reed

- 9.12.7.1 Bruce Forsyth agreed to take over the chair of C57.130, since the previous chair resigned before the last meeting. The chair of C57.146 resigned two weeks ago and the vice chair is unable to take on the role. We met last week and Paul Boman is the secretary and has graciously agreed to serve as the interim chair until a replacement can be found. The WG for C57.166 is hoping to go out to ballot soon; the PAR expires later this year

9.12.8 Insulation Life Subcommittee | Sam Sharpless

- 9.12.8.1 The C57.162 WG – Guide for Moisture in Insulation – is running out of time and desperately needs to complete a ballot vote in their meeting on Monday. It is critical that all members of this group be present at the working group meeting

9.12.9 Performance Characteristics Subcommittee | Rogerio Verdolin

- 9.12.9.1 The PCS subcommittee has 5 groups meeting, WG Guide for FRA for Liquid Filled Transformers C57.149, TF Audible Sound Revs & WG Sound Guide C57.136, TF Continuous Revisions to C57.12.00, TF Continuous Revisions to Test Code C57.12.90, and WG Sw Transients Ind by TR/Bkr Interaction PC57.142.

9.12.10 Power Transformers Subcommittee | Ryan Musgrove

- 9.12.10.1 The subcommittee has 7 working groups meeting in Denver, all of which have leaders planning to attend, as well as 1 PAR study group meeting. We had 3 PAR study groups recently approved for C57.153, C57.156, and C57.157, and it appears three additional active PAR study groups, two of which I believe are having difficulties finding volunteers.

9.12.11 Standards Subcommittee | Dan Sauer

- 9.12.11.1 Standards 12.00 and 12.90 have new PARs and as we all know work is already continuing on their new drafts.

9.12.12 Subsurface Transformers & Network Protectors Subcommittee | George Payerle

- 9.12.12.1 The former Corrosion task force under the Submersible Transformers and Network Protectors SC is now a working group, PC57.12.53 Guide for Mitigating Corrosion on Subsurface Transformers and Network Protectors.

9.13 Unfinished Business

- 9.13.1 **Update on new AMS System:** Memberplanet development is under way and it is expected to be available for use for the fall 2022 meeting, however it will most likely not have full functionality. Registration through Memberplanet is not expected to be complete for the fall meeting so registration will probably be through IEEE as was done for the spring 2022 meeting.
- 9.13.2 **SCC04 – Proposal to absorb activities into Transformers Comm.:** The Transformers Committee will accept the 3 documents from SCC04, if SCC04 modifies the scope of the active PAR to fall within the scope of the Transformers Committee.
- 9.13.3 **Publication of the Next Digital CD:** The standards CD in the past will now be called a “PDF bundle” and clarification was requested if it will be on-line use only or if standards will be downloadable for use in the field when it may not be possible to have reliable on-line connection. Malia stated that IEEE has offered a 20% discount for those registered for the spring 2022 meeting. Steve Shull made a motion that if there are no more than \$30,000.00 in losses from the spring 2022 meeting then the Transformers Committee will provide a \$110.00 discount to voting members towards purchase of the C57 pdf bundle. This was seconded by ****. There was no opposition to unanimous approval of the motion.

9.14 New Business

- 9.14.1 **Proposed TC member discount for 2022 Standards PDF bundle:** Steve Shull made a motion that if there are no more than \$30,000.00 in losses from the spring 2022 meeting then the Transformers Committee will provide a \$110.00 discount to voting members towards purchase of the C57 pdf bundle. The motion was seconded by Dan Sauer. There was no opposition to unanimous approval of the motion.
- 9.14.2 **Web domain registration renewal:** Greg Anderson provided cost for 5-year and 10-year web domain registration renewal to the AdCom. There was a small discount for the 10-year renewal. Steve Shull made a motion that we proceed with the 10-year renewal at a cost of about \$760 since there are sufficient funds in the TC bank account. Dan Sauer seconded the motion. There were no objections to unanimous approval of the motion.

9.15 Adjournment

The meeting was adjourned at about 6:00 PM.

Submitted by:

Bill Griesacker,
Secretary, Transformers Committee

March 22, 2021

March 22, 2022 Adcom Meeting Attendance

Last Name	First Name	Affiliation	Meeting Date 3/22/2022
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
Payerle	George	Carte International Inc.	X
Radbrandt	Ulf	Hitachi ABB Power Grids	
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.	X
Smith	Edward	H-J Family of Companies	X
Tanaka	Troy	Burns & McDonnell	X
teNyenhuis	Ed	Hitachi ABB Power Grids	X
Varghese	Ajith	SPX Transformer Solutions, Inc.	X
Verdolin	Rogério	Verdolin Solutions Inc.	X
Wallach	David	Duke Energy	X
Weatherbee	Eric	PCORE Electric	X
Zaman	Malia	IEEE	X