

4.0 CHAIR'S REPORT – ED TENYENHUIS

4.1 IEEE PES TECHNICAL COUNCIL

The IEEE Power Energy Society (PES) Technical Council is composed of the Chairs of the PES Technical and Coordinating Committees plus the Chairs of Standing Committees reporting to it. The full organizational structure of the PES can be found on the PES website (<https://www.ieee-pes.org>). The PES Technical Committees report to the Technical Council on matters concerning membership, recognition, technical publications, scope, and the coordination of the Power Energy Society generated standards. The Technical Committees work directly with the IEEE-SA Standards Board and the PES Standards Coordinating Committees for standards relating to their respective technical scopes. For further details on the Statement of Purpose and Scope of Activities for the PES Technical Council please see the following website; www.ieee-pes.org/statement-of-purpose-and-scope-of-activities-for-the-pes-technical-council .

4.1.1 Technical Council Officers & Members

The officers and members of the Technical Council are listed below for your reference. Note that Jim McBride, who is active in the Transformer Committee, is on the Technical Council Officer rotation and will be a future Chair. Congratulations Jim!

TECHNICAL COUNCIL OFFICERS 2022-2023

ChairHong Chen
Vice Chair.....Diane Watkins
SecretaryJim McBride
Past Chair..... Vijay Vittal

TECHNICAL COMMITTEES

	Chair
Analytic Methods for Power Systems Committee	Kwok Cheung
Electric Machinery Committee.....	Jim Lau
Energy Development and Power Generation Committee	Robert Thornton-Jones
Energy Storage and Stationary Battery Committee	Babu Chalamala
Insulated Conductors Committee	Yingli Wen
Nuclear Power Engineering Committee	John White
Power System Communications and Cybersecurity Committee	Craig Preuss
Power System Dynamic Performance Committee	Leonardo Lima
Power System Instrumentation and Measurements Committee	Ernst Hanique
Power System Operation, Planning and Economics Committee	Jianhui Wang
Power System Relaying and Control Committee	Murty Yalla
Smart Buildings, Loads and Customer Systems	Johanna Mathiue
Substations Committee	Patrick Fitzgerald
Surge Protective Devices Committee	Steven Hensley
Switchgear Committee	Keith Flowers
Transformers Committee	Ed teNyenhuis
Transmission and Distribution Committee	Surya Santoso

COORDINATING COMMITTEES

	Chair
Energy Internet Coordinating Committee	Hongbin Sun
Intelligent Grid and Emerging Technologies Coordinating Committee	Jim Follum
Marine Systems Coordinating Committee	Dwight Alexander
Renewable Systems Integration Coordinating Committee	Andrew Leon

STANDING COMMITTEES

Chair

Awards Committee	Vijay Vittal
Organization & Procedures Committee	Jim McBride
Power and Energy Education Committee	Siddharth Suryanarayanan
Standards Coordination Committee	Todd Irwin
Technical Sessions Committee	Diane Watkins
Entity Proposal Management Committee	Vijay Vittal

4.1.2 PES Technical Council Activities

Upcoming Technical Council meetings include the following:

- July 17-21, 2022 – PES General Meeting, Denver CO
- November 2022 – Technical Council Retreat (date/place to be confirmed)
- January 2023 – JTCM (date/place to be confirmed)

4.1.3 memberplanet (123Signup Replacement)

IEEE PES has awarded a contract to the company *memberplanet* to replace 123Signup. The new system is in the design phase and is scheduled to be ready in summer 2022. It is hoped that this will be used for our Fall 2022 meeting. IEEE PES will cover the cost of the annual contract for the memberplanet tool except for pass-through charges for event registration (i.e. credit card transaction fees).

4.1.4 Working Group Chair Fundamentals

IEEE PES will be implementing a mandatory web training for all working group Chairs to be completed in 2022. This will be distributed shortly to all present working group leaders. New working group leaders will be notified of this requirement when they are registered in IEEE-SA.

4.2 TRANSFORMERS COMMITTEE ACTIVITIES

4.2.1 Officer Transition for 2022-2023 Term

In accordance with the Transformers Committee's Policies and Procedures, the term of the Chair, Vice Chair, Secretary, and Past Chair positions are each 2-years, after which a transition shall occur from Secretary to Vice Chair, from Vice Chair to Chair, and from Chair to Past Chair. Such a rotation occurred on January 1, 2022. In addition, the outgoing Chair has the privilege of appointing the incoming Secretary, with the concurrence of the outgoing Past Chair. The terms and appointments of the Treasurer and Standards Coordinator are outlined in Committee's Policies and Procedures and are not affected by the officer rotation. The Committee officers for the 2022-2023 term will be as follows:

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

With this transition Sue McNelly, completed her 8-year commitment as an officer and the Committee thanks Sue for her contributions and selfless service during the 8 years she has served as an officer.

The Committee also very specially thanks Bruce Forsyth for his extraordinary term as Chair during the covid crisis. Bruce had to manage unique challenges that included avoiding financial disaster for the Committee. The Committee is extremely fortunate for Bruce's expert guidance where he also missed leading our committee meetings face to face (all meetings were virtual).

4.2.2 Upcoming Subcommittee Leadership Changes

Two subcommittees had leadership changes starting on January 1, 2022.

Dielectric Test Subcommittee: On December 31, 2021, **Ajith Varghese** completed a 5-year term as Chair and stepped down. **Poorvi Patel** (EPRI) began a 3-year term as Chair starting January 1, 2022.

Power Transformer Subcommittee: On December 31, 2021, **Bill Griesacker** completed a 5-year term as Chair and stepped down. **Ryan Musgrove** (OG&E) began a 3-year term as Chair starting January 1, 2022.

The Committee thanks Ajith and Bill for their dedication and service over the past five years and welcomes Poorvi and Ryan to the Administrative Subcommittee with best wishes for success in their new roles.

4.2.3 Liaison Representatives - Appointed by Committee Chair

- ASTM D27 – Tom Prevost
- CIGRE – Craig Swinderman
- IEC TC14 - Phil Hopkinson
- TPWRD Editorial Board – Xose Lopez-Fernandez
- Standards Coordinating Committee, SCC No. 4 (Electrical Insulation) - Evanne Wang

4.2.4 Committee Schedule

The Spring 2022 Transformers Committee meeting is planned to be our first in person meeting since Fall 2019. There were 3 virtual meetings held during 2020 – 21.

The location and dates of future meetings that are currently planned are as follows:

Spring 2022	Denver, CO	March 27-31, 2022
Fall 2022	Charlotte, NC	October 16-20, 2022
Spring 2023	Milwaukee, WI	March 19-23, 2023
Fall 2023	Kansas City, MO	October 22–26, 2023

Check the Committee website (www.transformerscommittee.org) regularly for information on upcoming meetings.

4.2.5 WebEx Accounts for Standard Development and Virtual Meeting Notification

To support remote technical meetings the IEEE-SA has made available WebEx accounts for use by volunteers involved in standards development activities. Activity leaders are free to use any other web service available to them, but the IEEE-SA WebEx service is available for those who do not have access to a suitable tool.

During the past two years, several Transformers Committee working groups and task forces have made effective use of virtual meetings between the spring and fall main Committee meetings. This has allowed them to make timely progress on their respective documents. All activity leaders are encouraged to use the resources available to them to advance their work. In addition, activity leaders are reminded to track attendance at each virtual meeting and to record attendance in the minutes of those meetings as well as in the Committee's Association management System (AMS) (when it becomes available), just as they would for a meeting held in the spring or fall. Finally, to maintain the openness of our meetings, activity leaders are encouraged to use the Transformers Committee website to post notifications of any meetings that occur outside the spring and fall main meetings, thereby allowing any interested party the opportunity to participate. Website notifications can be made by providing the Committee Webmaster the pertinent meeting information.

4.2.6 Avoiding PAR Extensions

Working Group Chairs are encouraged to pay close attention to the progress of their documents and to strive to complete their assignment(s) within the standard 4-year life of the PAR. To do so, WG Chairs should be careful to avoid scope creep and plan to complete the substantial work on the document in about 3 years to allow sufficient time for the balloting and comment resolution processes.

4.2.7 Meeting App

Based on positive feedback from the previous meetings, the Committee plans to continue using the IEEE EventHub App for in-person meetings.

4.2.8 Association Management System (AMS) Records

Per above, there will not be an AMS tool in place for the Spring 2022 meeting. All activity leaders will need to use the 123Signup downloads done in December 2021 to create rosters, email list servers, track membership and record meeting attendance.

These files are confidential and shall be maintained in a manner that protects the privacy of the participant information. Only the activity officers should have these files.

4.2.9 Website Password Usage

The website password is not for public dissemination. It is for use by our meeting attendees (CM, AP, II) and associated work of the Transformers Committee. Access to the protected information on the Committee website is a benefit of attendance and participation. It may be used by meeting attendees and within attendees' immediate workplace, but not beyond that. A new password is implemented immediately after each fall meeting with an announcement made to share the new password during the closing session.

4.2.10 IEEE Copyright Policy

<https://standards.ieee.org/ipr/index.html>

The Transformers Committee has an obligation comply with the IEEE Copyright Policy and thereby respect and protect the rights of copyright holders by preventing the inappropriate use of material protected by copyright laws.

Compliance with the Copyright Policy requires a certain amount of due diligence on the part of activity leaders, but it is not a daunting task. To assist activity leaders, a webinar was presented on October 5, 2020, that discussed the application of the Copyright Policy during Transformer Committee standards development processes. The presentation is available on the Committee website for those interested in further information.

4.2.11 Call for Patents (Essential Patent Claims)

<https://standards.ieee.org/about/sasb/patcom/patc.html>

A call for patents is required at every Working Group (WG) meeting. This is a reminder to all WG leaders to call for patents and record the results in the meeting minutes. Note it is not required to show the patent slides; it is only necessary to call for patents and record the response in the minutes. If there is a claim reported, the WG chair shall include in the minutes the name & affiliation of the individual asserting a patent claim. Here is what each WG Chair should ask at the beginning of each WG meeting. This applies only to WG's after the PAR is approved by the IEEE-SA Standards Board.

“If anyone in this meeting is aware of any patent claims that are potentially essential to implementation of the document under consideration by this WG, that fact should be made known to the WG and recorded in the meeting minutes.”

There should be no discussion of any patent claim identified, only that it be identified and recorded. Even if no patent claims are identified, the minutes are to indicate that the call for patents was made.

If a patent holder or patent applicant is identified, then the WG Chair (or designee) should ask the patent holder or patent applicant of a patent claim that might be or become an Essential Patent Claim to complete and submit a Letter of Assurance in accordance with Clause 6 of the IEEE-SA Standards Board Bylaws.

4.2.12 Letters of Assurance

A Letter of Assurance (LoA) is a document submitted to IEEE-SA by a patent holder which documents the submitter's position with regards to ownership, enforcement, or licensing of an Essential Patent Claim that may be incorporated into a specific IEEE document. Table 1 lists the thirteen (16) Letters of Assurance pertain to our committee as of March 11, 2022 – there are 3 new LoA's.

Table 1: Letters of Assurance

Std No.	Patent Owner	Contact for License	Patent Serial No. (if indicated)	Letter Date	Licensing Assurance Received	Date record entered or revised (if known)
C37.30.2	Southern Electrical Equipment Company Inc.	Andrew Panto - COO/Director of Engineering email: aspanto@seecoswitch.com	5,560,474 (US)	18 Oct 2011	yes	18 Oct 2011
C37.60	S&C Electric Company	Mark W. Stavnes-Vice President, Fuse Products and Polymer Products Division email: mstavnes@sandc.com;	not indicated	29 Aug 2008	non-awareness statement	2 Sep 2008
C37.102	Schweitzer Engineering Laboratories, Inc.	Richard Edge - Senior Counsel, Legal, email: ipmail@selinc.com	9,496,707 (US)	18 Jan 2022	yes	18 Jan 2022
C37.245	Schweitzer Engineering Laboratories, Inc.	Richard Edge, Legal email: ipmail@selinc.com	7,319,576 (US)	11 Apr 2014	yes	11 Apr 2014
C57.12.200	Megger Sweden AB	Niclas Wetterstrand, Product Management email: niclas.wetterstrand@megger.com	8,428,895 (US)	25 Sep 2019	yes	30 Sep 2019
C57.104	Arizona Public Service Company	John Finn - Director Venture Investment Management, Venture Investments email: john.finn@pinnaclewest.com	not indicated	12 Apr 2019	yes	16 Apr 2019
C57.127	ABB Technology Ltd.	Bjorn Dahlstrand, ABB AB, Legal Affairs and Compliance/IP email: bjorn.dahlstrand@seabb.com	6,340,890 (US)	31 Aug 2005	yes	6 Sep 2005
C57.127	General Electric Technology GmbH	Frank Landgraff-Executive Counsel, GE Power Legal Department email: frank.landgraff@ge.com;	7,286,968B2 (US)	14 Aug 2018	yes	16 Aug 2018
C57.139	Maschinenfabrik Reinhausen GMBH	Stefanie Hofmeister-Counsel, Corporate Legal Services email: patents@reinhausen.com	not indicated	13 Jan 2013	yes	16 Jan 2013
C57.143	Roger Fenton	Roger Fenton, Principal Engineer, Fenton Solutions email: roger.a.fenton@gmail.com	15/371,085 (US)	9 Oct 2018	yes	12 Oct 2018
C57.143	IntellPower Pty Ltd	Oleg Roizman - Principal, Innovations & Digital Transformation, 10 Warina Road, Carnegie, Victoria, Australia, tel: +61-09.9492.1111 email: oleg.roizman@intellpower.com,	10,101,313 B2 (US)	13 Nov 2021	yes	15 Nov 2021
C57.147 and C57.155	Cooper Power Systems, LLC	Alan Yerges, Engineering - Power Systems Division IP email: alanpyerges@eaton.com	6,398,986 (US) 6,905,638 (US) 7,651,641 (US)	5 Apr 2017	yes; royalty-free	5 Apr 2017
C57.147 and C57.155	Cooper Power Systems, LLC	Alan Yerges, Engineering - Power Systems Division IP email: alanpyerges@eaton.com	PI 9612097-5	5 Apr 2017	NO	5 Apr 2017
C57.162	IntellPower Pty Ltd	Oleg Roizman - Principal, Innovations & Digital Transformation, 10 Warina Road, Carnegie, Victoria, Australia, tel: +61-09.9492.1111 email: oleg.roizman@intellpower.com,	10,101,313 B2 (US)	13 Nov 2021	yes	15 Nov 2021
C57.163	Advanced Power Technologies,	Gary Hoffman - Managing Member email: grhoffmann@advpowertech.com	20130285671 (US)	5 May 2014	yes	5 May 2014

	LLC					
C57.167	ZTZ Services International	Daniel Berler - CEO, 15371 NE 21st Avenue, Miami FL 33162, tel: +1-612-berlerdaniel@ztzservices.us, URL:	not indicated	23 Apr 2021	yes	23 Apr 2021

Respectfully submitted,



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Chair, IEEE PES Transformers Committee
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