

4.0 CHAIR'S REPORT – BRUCE FORSYTH

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. Each individual listed here is the chair of that respective committee.

TECHNICAL COUNCIL OFFICERS 2020-2021

Chair Vijay Vittal (Arizona State University)
Vice Chair.....Hong Chen
SecretaryDiane Watkins (Xcel Energy)
Past Chair.....Farnoosh Rahmatian (Quanta Technology)

TECHNICAL COMMITTEES

	Chair
Analytical Methods for Power Systems (AMPS).....	Kwok Cheung
Electric Machinery (EM).....	John Yagielski
Energy Development & Power Generation (EDPG)	Robert Thornton-Jones
Energy Storage & Stationary Battery (ESSB)	Babu Chalamala
Insulated Conductors (IC).....	Henk Geene
Nuclear Power Engineering (NPE).....	John White
Power System Communications & Cybersecurity (PSCC)	Craig Preuss
Power System Dynamic Performance (PSDP)	Leonardo Lima
Power System Instrumentation & Measurements (PSIM).....	Ernst Hanique
Power System Operation Planning & Economics (PSOPE).....	Fran Li
Power System Relaying & Control (PSRC)	Murty Yalla
Smart Buildings Loads & Customer Systems (SLCS)	Johanna Mathiue
Substations (SUB)	Patrick Fitzgerald
Surge Protective Devices (SPD).....	Steven Hensley
Switchgear (SWGR).....	Keith Flowers
Transformers (TRANS).....	Bruce Forsyth
Transmission and Distribution (T&D).....	Surya Santoso

COORDINATING COMMITTEES

	Chair
Energy Internet Coordinating Committee	Hongbin Sun
Intelligent Grid & Emerging Technologies (IGETCC)	Jim Follum
Marine Systems (MSCC).....	Dwight Alexander
Wind and Solar Power (WSPCC).....	Andrew Leon

STANDING COMMITTEES

Chair

Awards Committee	Farnoosh Rahamatian
Organization & Procedures Committee	Diane Watkins
Power and Energy Education Committee	Siddharth Suryanarayanan
Standards Coordination Committee	Todd Irwin
Technical Sessions Committee	Hong Chen
Entity Proposal Management Committee	Farnoosh Rahamatian

4.1.2 PES Technical Council Activities

Upcoming Technical Council meetings include the following:

- November 11-12, 2021 – Technical Council Retreat
- January 9, 2022 – JTCM
- July 17-21 – PES General Meeting

4.1.3 123Signup Replacement Update

In early 2021 the owners of the 123Signup system informed the PES that the platform would be discontinued but later agreed to keep the system running until December 31, 2021. The PES created an ad hoc committee to develop the needs and basic specification for a new platform. Proposals were solicited and were due back to PES in early October. PES expects to notify the successful bidder in mid-November and final contract negotiations are expected to take place in late November and December. The new service is expected to begin in January 2022.

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 shall occur 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 will complete her 8-year commitment as an officer and will roll off the officer list. The Committee thanks Sue for her contributions and selfless service during the 8 years she has served as an officer.

4.2.2 Upcoming Subcommittee Leadership Changes

Two subcommittees will have leadership changes starting on January 1, 2022.

Dielectric Test Subcommittee: On December 31, 2021, **Ajith Varghese** completes a 5-year term as Chair and will step down. **Poorvi Patel** (EPRI) has agreed to accept a 3-year term as Chair starting January 1, 2022.

Power Transformer Subcommittee: On December 31, 2021, **Bill Griesacker** completes a 5-year term as Chair and will step down. **Ryan Musgrove** (OG&E) has agreed to accept 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 Fall 2021 Transformers Committee meeting was switched from an in-person meeting in Milwaukee, WI to a virtual meeting to protect the health and well-being of our members and their families. The audio-visual firm Encore has been hired to assist with the issues related to setting up the meetings and managing the “behind the scenes” electronic issues. Encore has provided similar support for the Fall 2020 and Spring 2021 meetings. Future meetings are expected to be in-person meetings, subject to a review of then-current conditions. 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	Specific date is not yet confirmed

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), 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 to plan to complete the substantial work on the document in about 3 years in order 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 future in-person meetings.

4.2.8 Association Management System (AMS) Records

In accordance with the IEEE PES Technical Council's Organization and Procedures Manual, all subcommittees, working groups, and task forces must use AMS to track their membership and meeting attendance.

All activity leaders are asked to ensure their groups are using AMS and that the Fall 2021 information is entered before the current system is no longer available (i.e., before December 31, 2021). In addition, activity leaders are encouraged to create a backup of their rosters and attendance records in case these are needed to populate the new system. *Any backups are confidential and shall be maintained in a manner that protects the privacy of the participant information.* All backup records shall be permanently deleted or destroyed after the system that replaces 123Signup is up and running reliably.

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 regard to ownership, enforcement, or licensing of an Essential Patent Claim that may be incorporated into a specific IEEE document. Table 1 lists the thirteen (13) Letters of Assurance pertain to our committee as of November 8, 2022.

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 aspanto@seccoswitch.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 mstavnes@sandc.com	not indicated	29 Aug 2008	non-awareness statement	2 Sep 2008
C37.245	Schweitzer Engineering Laboratories, Inc.	Richard Edge, Legal ipmail@selinc.com	7,319,576 (US)	11 Apr 2014	yes	11 Apr 2014
C57.12.200	Megger Sweden AB	Niclas Wetterstrand, Product Management 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 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 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 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 patents@reinhausen.com	not indicated	13 Jan 2013	yes	16 Jan 2013
C57.143	Roger Fenton	Roger Fenton, Principal Engineer, Fenton Solutions roger.a.fenton@gmail.com	15/371,085 (US)	9 Oct 2018	yes	12 Oct 2018
C57.147 and C57.155	Cooper Power Systems, LLC	Alan Yerges, Engineering - Power Systems Division IP 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 alanpyerges@eaton.com	PI 9612097-5	5 Apr 2017	no	5 Apr 2017

Std No.	Patent Owner	Contact for License	Patent Serial No. (if indicated)	Letter Date	Licensing Assurance Received	Date record entered or revised (if known)
C57.163	Advanced Power Technologies, LLC	Gary Hoffman - Managing Member grhoffmann@advpowertech.com	20130285671 (US)	5 May 2014	yes	5 May 2014
C57.167	ZTZ Services International	Daniel Berler – CEO berlerdaniel@ztzservices.us	Not indicated	23 Apr 2021	yes	23 Apr 2021

Respectfully submitted,



Bruce Forsyth
Chair, IEEE PES Transformers Committee
Rev. 0, November 8, 2021