

4.0 CHAIR'S REPORT – BRUCE FORSYTH

4.1 IEEE PES TECHNICAL COUNCIL

The Technical Council of the IEEE Power Energy Society (PES) 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 is shown in the current version of the IEEE PES Organization Chart and Committee Directory (<https://www.ieee-pes.org/images/files/pdf/membership/protected/2021-PES-Org-Chart.pdf>). 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. For standards relating to their technical scope, the Technical Committees work directly with the IEEE-SA Standards Board and the PES Standards Coordinating Committee. For further details on the Statement of Purpose and Scope of Activities for the PES Technical Council Please see; <http://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
Secretary Diane 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) Ron Melton
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) Doug Houseman
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	Ted Burse
Technical Sessions Committee	Hong Chen
Entity Proposal Management Committee	Farnoosh Rahamatian

4.1.2 PES Technical Council Activities

The Technical Council meeting schedule for 2021 is as follows:

- January 10-14, 2021 – JTCM – Web Meeting
- April 16, 2021 – Web Meeting
- July 25-29, 2021 – PES General Meeting
- Fall 2021 – Technical Council Retreat

4.1.3 Satellite Committees

The PES Technical Council has issued revised guidance related to the protocol for interaction between satellite committees and the parent PES technical committees. The revised procedure is as follows:

- a) Each satellite committee, subcommittee, working group, or task force will interact with the corresponding parent technical committee, subcommittee, working group, or task force via designated liaisons. The satellite committees could designate multiple liaisons.
- b) The technical committees in their organization and procedures manuals (O&P manual) have an established mechanism to interact with other entities using a liaison. This is the preferred means of interaction with other entities.
- c) The liaisons will have to become familiar with the process of interacting with the parent committee, subcommittee, working group or task force. Many of these parent entities, meet several times a year and in each of these meeting have an administrative session where reports are given on various activities conducted under the auspices of the parent entities by the liaisons. These reports are then included in the minutes of the meetings.
- d) It is also important to realize that not all individuals interested in a particular committee's activities immediately become members of the parent committee. This requires the individual to show intent and also participate and actively pursue technical activities starting at the task force, working group, and subcommittee levels. Participation is also provided by actively reviewing journal and conference papers for these entities. The committees do have an established procedure for starting activities at the task force level and gradually progressing to become a member of the technical committee. The progression is outlined in the organization and procedures manual.
- e) In addition to the liaisons, other individuals from the satellite committees are encouraged to get personally involved in the working groups and task forces. Working groups and task forces are open to all contributing individuals (no country or regional limitations). Again, the PES strongly encourages all liaisons and interested individuals to read the relevant technical committee's O&P Manual, as well as their Working Group and Standards Policies & Procedures (WG P&P and Std P&P) manuals if they get involved in working groups.

4.2 TRANSFORMERS COMMITTEE ACTIVITIES

4.2.1 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

4.2.2 Committee Schedule

The Spring 2021 Transformers Committee meeting was switched from an in-person meeting in Toronto, ON 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. Our next meeting is scheduled to be an in-person meeting in Milwaukee, WI, subject to review of pandemic related restrictions over the next few months.

4.2.3 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 pandemic, several Transformers Committee activity groups have made effective use of virtual meetings in between the spring and fall main Committee meetings. 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 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.

4.2.4 PAR Extensions

From time-to-time circumstances may prevent a working group from completing its work within the normal lifespan of a PAR, and when that happens a PAR extension is warranted. However, it has been observed that the Transformers Committee has had many PAR extensions requests in recent years. Some of these have been challenged by IEEE-SA. At a time when technology changes quickly and businesses need to be able to adapt to changing demands, it is important that the Transformers Committee strive to complete its tasks quickly and on-time. To that end, subcommittees are encouraged to carefully define the scope of the working groups they form to ensure the task assigned to the working group can be accomplished within the normal PAR lifetime. In addition, working groups are encouraged to work diligently to complete their tasks within the normal PAR lifetime and to strongly resist scope-creep that may prevent the completion of the document.

There have been some recent discussions related to the process a working group should follow to request a PAR extension, and specifically whether the working group Chair can make that decision without concurrence of the working group members. One can argue that a PAR extension constitutes a modification of the subgroup’s duties and that requesting a PAR extension is a recommendation made by the working group. Section 7.1.1 of the Policies and Procedures for Working Groups (Individual Method) requires that such decisions or recommendations require approval by majority vote of the working group. This process allows working group members who may oppose a PAR extension an opportunity to express their opinion.

4.2.5 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.

4.2.6 Association Management System, 123 Signup

All WG's must use AMS to track their membership and meeting attendance. The IEEE PES Technical Council's Organization and Procedures Manual (March 2020) states the following in section 7.1.1:

"To be in compliance as a technical or coordinating committee of the IEEE PES Technical Council all technical and coordinating committees are required to keep accurate and up to date membership and meeting attendance records of their committees, subcommittees, working groups and task forces using the Association Management System selected by the IEEE PES Technical Council."

All activity leaders are asked to ensure their groups are using AMS. In addition to using the AMS, a list of names and affiliations must be included in the meeting minutes.

4.2.7 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 generally implemented immediately after each fall meeting with an announcement made to share the new password during the closing session.

4.2.8 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.

4.2.9 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.

4.2.10 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. As of April 19, 2020, the following twelve (12) existing Accepted Letters of Assurance pertain to our committee:

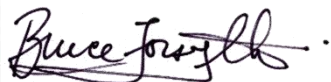
Std No.	Patent Owner	Contact for License	Patent Serial No. (if indicated)	Letter Date	Licensing Assurance Received	Date record entered or revised (if known)
C37.30.2	Southern Electrical Equipment Company Inc.	Andrew Panto - COO/Director of Engineering aspanto@seecoswitch.com	5,560,474 (US)	18 Oct 2011	yes	18 Oct 2011
C37.60	S&C Electric Company	Mark W. Stavnes-Vice President, Fuse Products and Polymer Products Division 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

4.2.11 Website

The Committee website has transitioned to a new platform and reformatted to align with the websites of other PES Technical Committees. Susan McNelly continues to serve as primary webmaster and is assisted by Kris Zibert. Many thanks to both Sue and Kris for keeping the website in great shape.

Respectfully submitted,



Bruce Forsyth
Chair, IEEE PES Transformers Committee
Rev. 0, April 20, 2021