

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 reference.

TECHNICAL COUNCIL OFFICERS 2022-2023

ChairHong Chen
Vice ChairDiane Watkins
SecretaryJim McBride
Past ChairVijay 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 Haniue
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	Yingchen Zhang

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 16-20, 2023, Orlando FL, PES General Meeting
- November 2023 TBD – Technical Council Retreat

4.1.3 memberplanet

IEEE PES awarded a contract in 2021 to *memberplanet* for committee membership management. The new system is delayed and unfortunately will not be ready (again) for our March 2023 meeting. Greg Anderson and Jim McBride are involved in the regular update meetings with the contractor and will help ensure the system will have all the tools needed for our committee. IEEE PES is covering the development cost and will cover the cost of the future annual contract for the *memberplanet* tool (except for pass-through charges for event registration such as credit card transaction fees).

Again, activity leaders are requested to continue to use their own mailing lists and meeting rosters.

All activity leaders - please also send any email bounce backs (or email updates) to Greg Anderson at gwanderson@ieee.org so that he can investigate and update the membership database so it will be current for when *memberplanet* is ready.

4.1.4 Working Group Chair Fundamentals

IEEE PES has implemented a mandatory web training for all working group Chairs to be completed by March 1, 2023 (the deadline was extended). 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 Upcoming Subcommittee Leadership Change

The Distribution Subcommittee will have a leadership change effective March 1, 2023. **Ed Smith** completed a 4-year term as Chair and stepped down. **Jerry Murphy** (Reedy Creek Energy Services) is appointed as the new Chair and begins a 3-year term starting March 1, 2023.

The Committee thanks Ed for his dedication and service over the past 4 years and welcomes Jerry to the Administrative Subcommittee with best wishes for success in his new role.

4.2.2 Liaison Representatives - Appointed by Committee Chair

There are 2 changes to the Liaison representatives. Ed Casserly will take over the ASTM D27 liaison position from Tom Prevost. As well, Ed Casserly will also be the liaison for a new liaison position for IEC TC10.

Below is the up-to-date list of Liaison Representatives for the Transformer Committee:

- ASTM D27 – Ed Casserly
- CIGRE – Craig Swinderman
- IEC TC10 – Ed Casserly
- IEC TC14 - Phil Hopkinson
- TPWRD Editorial Board – Xose Lopez-Fernandez
- Standards Coordinating Committee, SCC No. 4 (Electrical Insulation) - Evanne Wang

The committee thanks Tom Prevost for his many years of service as liaison for ASTM D27 and welcome Ed to his new liaison positions.

4.2.3 Entity Proposal Management Committee

The Transformer Committee has a representative on the Entity Proposal Management Committee (EPMC) to review entity proposals and ensure they are directed to the correct technical committee. Jim Graham has stepped down from this position, and Steve Shull has been appointed as the new representative effective Jan 1, 2023.

The committee thanks Jim for his service in this position as EPMC representative and wishes Steve success in this new role.

4.2.4 Fall 2022 Charlotte Meeting

Our Fall 2022 Transformer Committee meeting was a great success with near full attendance.

This is a reminder to please book your stay at the meeting hotel. The larger hotel room block the committee can commit to causes the meeting room cost to be lower (and thus the meeting registration price to be lower).

4.2.5 Committee Schedule

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

Fall 2023	Kansas City, MO	October 22–26, 2023
Spring 2024	Vancouver, BC	
Fall 2024	St Louis, MO	
Spring 2025	Denver, CO	March 23-27, 2025

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

4.2.6 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.

Activity leaders are reminded to track attendance at each virtual meeting and to record attendance in the minutes of those meetings just as they would for an in-person meeting. 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.

4.2.7 Avoiding PAR Extensions

Working Group Chairs should 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.

4.2.8 Meeting App

We will continue to use the IEEE EventHub App for our meetings.

4.2.9 Association Management System (AMS) Records

Per above, there will not be an AMS tool in place for the Spring 2023 meeting. All activity leaders will need to use the previous 123Signup downloads 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. If activity download files are needed for reason, Bruce Forsythe can be contacted to provide this.

4.2.10 Officer's Travel for Committee Required Business

There is travel required by the Officers for IEEE PES Technical Committee work. The Officers have discussed and approved that all relevant and reasonable travel costs for extra meetings that Officers are required to attend shall be reimbursable by the Transformers Committee. Below are the scheduled meetings for 2023:

Chair: 2 meetings per year

1. JTCM in January for Technical Council meeting
2. General Meeting in July for Technical Council meeting and O&P Committee
3. Technical Council November Retreat (not included since IEEE PES pays for this trip)

Vice-Chair: 1 meeting in 2023

1. 2023 General Meeting in July for Technical Sessions meeting

Secretary: 1 meeting in 2023

1. GM in July for Technical Sessions meeting for training purposes

Typical business expenses will be covered including air, hotel, meals, mileage, parking, taxi/car, baggage fees, tolls, other. The Treasurer will budget accordingly, for 5-6 meetings per year (and include meeting registration fees, as appropriate).

4.2.11 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.

4.2.12 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.

4.2.13 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.

4.2.14 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 19 Letters of Assurance that pertain to our committee as of Feb 6, 2023 – there is no change since the last Chair's report. This listing can be found at <https://standards.ieee.org/about/sasb/patcom/patents/> and by clicking “IEEE C37.30.2™ – N42 (XLSX)”.

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 4045 Hargrove Avenue Charlotte NC 28208 tel: +1-704-893-0222 fax: +1-704-893-0223 email: aspanto@seecswitch.com http://www.seecswitch.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 6601 N Ridge Blvd Chicago IL 60626 tel: +1-773-338-1000 fax: +1-773-338-6196 email: mstavnes@sandc.com; URL: http://www.sandc.com	not indicated	29 Aug 2008	non-awareness statement	2 Sep 2008
C37.102	Schweitzer Engineering Laboratories, Inc.	Richard Edge - Senior Counsel, Legal, 2350 NE Hopkins Court Pullman WA 99163 tel: +1-509-334-8732 fax: +1-509-339-7460 email: ipmail@selinc.com	9,496,707 (US)	18 Jan 2022	yes	18 Jan 2022
C37.245	Schweitzer Engineering Laboratories, Inc.	Richard Edge, Legal 2350 NE Hopkins Court Pullman WA 99163 tel: +1-509-334-8732 fax: +1-509-339-7460	7,319,576 (US)	11 Apr 2014	yes	11 Apr 2014

		email: ipmail@selinc.com				
C57.12.200	Megger Sweden AB	Niclas Wetterstrand, Product Management Rinkebyvagen 19, SE-182 36 Danderyd, Sweden tel: +46-706917125 email: niclas.wetterstrand@megger.com URL: www.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 400 North Fifth Street, Mail Station 8103, Phoenix AZ 85004 tel: +1-602-250-3517 email: john.finn@pinnaclewest.com URL: www.aps.com	not indicated	12 Apr 2019	yes	16 Apr 2019
C57.127	ABB Technology Ltd.	Bjorn Dahlstrand, ABB AB, Legal Affairs and Compliance/IP SE 72178, Vasteras, Sweden tel: +46-21345166 fax: +46-21181386 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 3200 Wildwood Parkway Atlanta GA 30339 tel: +1-678-844-5494 email: frank.landgraff@ge.com; URL: https://www.ge.com/power	7,286,968B2 (US)	14 Aug 2018	yes	16 Aug 2018
C57.139	Maschinenfabrik Reinhausen GMBH	Stefanie Hofmeister-Counsel, Corporate Legal Services Falkensteinstrasse 8 D-93059 Regensburg, Germany tel: +49-(0)-94140906811 fax: +49-(0)-94140904015 email: patents@reinhausen.com	not indicated	13 Jan 2013	yes	16 Jan 2013
C57.143	Roger Fenton	Roger Fenton, Principal Engineer, Fenton Solutions 677 N. Shasta Way Upland CA 91786 tel: +1-909-767-8408 email: roger.a.fenton@gmail.com	15/371,085 (US)	9 Oct 2018	yes	12 Oct 2018
C57.143	Roger Fenton	Roger Fenton, Principal Engineer, Fenton Solutions 677 N. Shasta Way Upland CA 91786 tel: +1-909-767-8408 email: roger.a.fenton@gmail.com	10,145,830 (US), 10,613,066 (US), 10,690,643 (US)	3 Aug 2022	yes	5 Aug 2022
C57.143	IntellPower Pty Ltd	Oleg Roizman - Principal, Innovations & Digital Transformation, 10 Warina Road, Carnegie, Victoria, Australia, tel: +61-408109782, email: oleg.roizman@intellpower.com, URL: www.linkedin.com/in/oleg-roizman-23051960	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 11131 Adams Road Franksville WI 53126-0100 tel: +1-262-835-2921 fax: +1-262-835-1515 email: alanyerges@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 11131 Adams Road Franksville WI 53126-0100 tel: +1-262-835-2921 fax: +1-262-835-1515 email: alanyerges@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: +61-408109782, email: oleg.roizman@intellpower.com, URL: www.linkedin.com/in/oleg-roizman-23051960	10,101,313 B2 (US)	13 Nov 2021	yes	15 Nov 2021
C57.163	Advanced Power Technologies, LLC	Gary Hoffman - Managing Member 215 State Road 10 Randolph NJ 07869 tel: +1-973-328-3300 x499 fax: +1-973-328-0666 email: grhoffmann@advpowertech.com URL: www.advpowertech.com	20130285671 (US)	5 May 2014	yes	5 May 2014
C57.167	ZTZ Services International	Daniel Berler - CEO, 15371 NE 21st Avenue, Miami FL 33162, tel: +1-612-703-3335, email: berlerdaniel@ztzservices.us, URL: www.ztzservices.us	not indicated	23 Apr 2021	yes	23 Apr 2021
C57.167	Roger Fenton	Roger Fenton, Principal Engineer, Fenton Solutions 677 N. Shasta Way Upland CA 91786	10,145,830 (US), 10,613,066 (US), 10,690,643 (US)	3 Aug 2022	yes	5 Aug 2022

		tel: +1-909-767-8408 email: roger.a.fenton@gmail.com				
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Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Ed teNyenhuis', with a stylized, cursive script.

Ed teNyenhuis
Chair, IEEE PES Transformers Committee
Rev. 0, Feb 6, 2023