

4.0 REPORT – DAVID WALLACH

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 2024-2025

ChairDiane Watkins
Vice Chair.....Jim McBride
SecretaryCostas Vournas
Past Chair.....Hong Chen

TECHNICAL COMMITTEES

Chair

Analytic Methods for Power Systems Committee	Yanfeng Gong
Electric Machinery Committee.....	W. Gayland Bloethe
Energy Development and Power Generation Committee	Michael Negnevitsky
Energy Storage and Stationary Battery Committee	Jason Wallis
Insulated Conductors Committee	Bert Spear
Nuclear Power Engineering Committee	Robert Konnik
Power System Communications and Cybersecurity Committee	Marc Benou
Power System Dynamic Performance Committee	Zhenyu (Henry) Huang
Power System Instrumentation and Measurements Committee	David Wallace
Power System Operation, Planning and Economics Committee	Francois Bouffard
Power System Relaying and Control Committee	Gene Henneberg
Smart Buildings, Loads and Customer Systems	Yashen Lin
Substations Committee	Matt Bauer
Surge Protective Devices Committee	Steven Hensley
Switchgear Committee	Donnie Swing
Transformers Committee	David Wallach
Transmission and Distribution Committee	Julio Romero Agüero

COORDINATING COMMITTEES

Chair

Energy Internet Coordinating Committee	Mohammed Shahidehpour
Intelligent Grid and Emerging Technologies Coordinating Comm.....	Theo Laughner
Marine Systems Coordinating Committee	Dwight Alexander
Renewable Systems Integration Coordinating Committee	Aidan Tuohy

STANDING COMMITTEES

Chair

Awards Committee	Hong Chen
Organization & Procedures Committee	Jim McBride
Power and Energy Education Committee	Sukumar Kamalasan
Standards Coordination Committee	Todd Irwin
Technical Sessions Committee	Jim McBride
Entity Proposal Management Committee	Hong Chen, Dan Sabin

4.1.2 PES Technical Council Activities

Upcoming Technical Council meetings include the following:

- July 27–31, 2025, Austin, TX – PES GM
- Nov TBD, Location TBD – Joint Technical Council Retreat

4.1.3 memberplanet

IEEE PES awarded a contract in 2021 to *memberplanet* for an Association Management System. The 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). *memberplanet* continues to work on the latest modules. A Task Force of the Technical Council continues to work closely with memberplanet to bring the product to implementation although frustrating delays continue. As of this week's meetings, we again ask activity leaders to continue to use their own mailing lists and meeting rosters.

All activity leaders - please send email bounces (or email updates) to Ed teNyenhuis to accumulate so we can investigate and update the membership database/Listserv.

4.2 TRANSFORMERS COMMITTEE ACTIVITIES

4.2.1 Fall 2024 St. Louis Meeting

Our Fall 2024 Transformer Committee meeting was a success with 628 attendees, which was up from 533 attendees at the prior meeting with 36 spouse/companions in attendance. We covered our bills (net gain \$76.8k).

4.2.2 Committee Schedule

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

Fall 2025	Bonita Springs, FL	October 19-23, 2025
Spring 2026	Fort Worth, TX	March 22-26, 2026

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

4.2.3 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.

4.2.4 Meeting App

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

4.2.5 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:

Chair: 3 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 2025

1. 2025 General Meeting in July for Technical Sessions meeting

Secretary: 1 meeting in 2025

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).

4.2.6 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.

4.2.7 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.

4.2.8 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.

4.2.9 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 Letters of Assurance that pertain to our committee as of February 25, 2025. This listing can be found at <https://standards.ieee.org/about/sasb/patcom/patents/> and by opening the list titled "IEEE C37.30.2™ – N42 (XLSX)". Locate the C57 documents.

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)
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
C57.12.200	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
C57.127	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

Std No.	Patent Owner	Contact for License	Patent Serial No. (if indicated)	Letter Date	Licensing Assurance Received	Date record entered or revised (if known)
C57.139	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
C57.146	Arizona Public Service Company	John Finn - Director Venture Investment Management, Venture Investments 400 North 5th Street, Mail Station 8103, Phoenix AZ 85004 tel: +1-602-250-3517 email: john.finn@pinnaclewest.com URL: www.aps.com	not indicated	23 May 2024	yes	31 May 2024
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: alanpyerges@eaton.com	6,398,986 (US) 6,905,638 (US) 7,651,641 (US)	5 Apr 2017	yes; royalty-free	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)
C57.147 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: 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: +61-408109782, 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 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

Respectfully submitted,

A handwritten signature in black ink, reading "David J. Wallach". The signature is written in a cursive style with a large, stylized 'D' and 'W'.

David Wallach

Chair, IEEE PES Transformers Committee
Rev. 2, March 10, 2025