

CHAIR'S REPORT – SUSAN MCNELLY

Chair's Remarks – Presented at the Monday General Session -- Pittsburgh, Pennsylvania - Spring 2018

5.1 IEEE PES TECHNICAL COUNCIL

The Technical Council of the IEEE Power Energy Society (PES) is composed of the Chairpersons of the PES Technical and Coordinating Committees, plus the Chairpersons 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 (<http://www.ieee-pes.org/pes-organization-chart-and-committee-directory>). 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>.

5.1.1 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 2018-2019

Chair	Farnoosh Rahmatian (Quanta Technology)
Vice Chair	Vijay Vittal (Arizona State University)
Secretary	Hong Chen
Past Chair	Miriam Sanders (SEL University)

STANDING COMMITTEES 2018-2019

Technical Activities Awards
Technical Sessions
Organization & Procedures, O&P
Standards Coordinating
Website

Chair

Miriam Sanders
Vijay Vittal
Hong Chen
Ted Burse
Dan Toland

COORDINATING COMMITTEES 2018

Intelligent Grid & Emerging Tech., IGETCC
Marine Systems, MSCC
Wind and Solar Power, WSPCC

Chair

Doug Houseman
Dwight Alexander
Debbie Lew

TECHNICAL COMMITTEES 2018

Analytical Methods for Power Systems, AMPS
Electric Machinery, EM
Energy Development & Power Generation, EDPG
Energy Storage & Stationary Battery, ESSB
Insulated Conductors, IC
Nuclear Power Engineering, NPE
Power System Communications & Cybersecurity, PSCC
Power System Dynamic Performance, PSDP
Power System Instrumentation & Measurements, PSIM

Chair

Alex Schneider
Kay Chen
Ward Jewell
Chris Searles
E. Rusty Bascom
Thomas Koshy
Mike Dood
Claudio Canizares
Ernst Hanique

TECHNICAL COMMITTEES 2018

Power System Operation Planning & Economics, PSOPE	Chair Luiz Barroso
Power System Relaying & Control, PSR	Pratap Mysore
Smart Buildings Loads & Customer Systems, SLCS	Shawn Chandler
Substations, SUB	Diane Watkins
Surge Protective Devices, SPD	Ronald Hotchkiss
Switchgear, SWGR	T Irwin
Transformers, TRANS	Susan McNelly
Transmission and Distribution, T&D	Gary Chang

5.1.2 PES Technical Council Activities

Joint Technical Committee Meeting, JTCM. <https://www.pestechical.org/>. January 7, 2017. Chicago. This is the first of two annual gatherings where Technical Council meets to discuss activities of the Standing, Coordinating, and Technical Committees.

There was an update on PES Standards Tutorials (webinars). Funding from IEEE PES is no longer available for these webinars. Future webinars will need to be self-funded.

There were discussions about poor response on the voting on the Tech Council's new O&P document and the need for technical liaisons for the Intelligent Grid and Emerging Technologies.

5.2 IEC/IEEE JOINT & ADOPTED STANDARDS**5.2.1 ISO/IEC Standard Adoption Policy Change**

Erin Spiewak recently indicated that ANSI has notified IEEE of a change to the ANSI/IEEE license agreement for the sale of National adoptions of ISO and IEC Standards. This change is mandating that an adopted standard be labeled as a "U.S. national" standard and must include a U.S. national forward and national branding on each page. Also, the adopted standard could only be actively sold/marketed in the nation in which it was adopted. Therefore, IEEE is no longer adopting ISO or IEC standards. IEEE-SA is a global organization and the above is inconsistent with this. ISO or IEC can still adopt an IEEE standard.

The above does **not** affect the joint development process. The agreements regarding dual logo/joint development are still in place.

5.2.2 Bureau of Indian Standards (BIS)

Malia Zaman informed us that the BIS have requested permission to adopt IEEE C57.155TM-2014 with country-specific changes. Once the adoption is complete it will be a national standard in India. This has been brought to us in the event we wish to solicit input or participation during the next revision.

5.3 TRANSFORMERS COMMITTEE ACTIVITIES**5.3.1 Officers Progression for the 2016-2017 Period**

In accordance with the rules set forth in the Transformers Committee Policies and Procedures Manual, the Committee Officers (the Chair, the Vice Chair, and the Secretary) are

recommended by the incumbent Chair of the Committee with the concurrence of the immediate Past Chair and are approved by the Chair of the Technical Council. Each is expected to serve a two-year term, and to follow the established progression cycle for the next two-year period. The table below shows the progression of officer's assignment for the two years beginning January 1, 2018.

In addition to the normal officer progression, Paul Boman started as the Committee Treasurer on January 1, 2018 replacing long time Treasurer, Greg Anderson. This position will now have a maximum term limit of 5 years per IEEE recommendations.

Please join me in welcoming the new officers and provide them with any needed support as they get familiar with and comfortable in their new roles.

Officer Role	2018-2019 Term
Committee Chair	Susan McNelly
Committee Vice-Chair	Bruce Forsyth
Committee Secretary	Ed teNyenhuis
Past Chair / Awards Chair	Stephen Antosz
Committee Treasurer	Paul Boman
Standards Coordinator*	James Graham

* Treasurer and Standards Coordinator are excluded from the 2 year progression cycle.

A change in the Transformer Committee Meeting Planning Subcommittee was also made with Tammy Behrens taking over this position due to the resignation of Greg Anderson after the fall meeting in Louisville.

Craig Stiegemeier also replaced Ed teNyenhuis as Chair of the Performance Characteristics Subcommittee due to Ed moving into the Committee Secretary and officer progression.

5.3.2 Reappointment of SC Chairs

SC Chair positions were reconfirmed in the fall of 2017. This will be revisited in the fall of 2019 or as replacements due to vacancies arise. Tammy Behrens was appointed and agreed to serve as the new Chair of the Meetings SC starting January 1, 2018 to replace Greg Anderson who after many years in this demanding position stepped down. Craig Stiegemeier was appointed and agreed to serve as the new Chair of the Performance Characteristics SC starting January 1, 2018 to replace Ed teNyenhuis who became the new Committee Secretary.

5.3.3 Liaison Representatives - Appointed by Committee Chair.

- CIGRE - Raj Ahuja
- IEC TC-14 - Phil Hopkinson
- Standards Coordinating Committee, SCC No. 18 (NFPA/NEC) – David Brender
- Standards Coordinating Committee, SCC No. 4 (Electrical Insulation) - Evanne Wang

Craig Swinderman will be taking over the CIGRE Liaison position after the Pittsburgh meeting. Thank you Raj for your service.

5.3.4 Committee Schedule

As part of the new split of meeting planning duties, a new schedule format was developed. The new schedule will automate the printed formal schedule, reports needed for the Guidebook App and the scheduling for the RFID system. A new schedule listing by SCs is also automatically generated. The new schedule was developed and managed by Susan McNelly for the Pittsburgh meeting. The plan will be for this to be handed off to another person going forward, if possible.

5.3.5 RFID

RFID tags on the name badges will again be used for the Pittsburgh meeting in a similar manner as past meetings. Kris Zibert will be managing the RFID programming. Please make sure that contact information that will be sent out with the preliminary schedule before each meeting is kept current.

5.3.6 Thursday morning Tutorials and Webinar opportunities

We always continue to look for new and exciting topics. Tom Prevost is the leader of this activity for coordination efforts. If interested, see Tom or any of the officers. Any feedback by attendees is welcome.

IEEE PES has expressed a desire that each of the Technical Committees offer Webinar opportunities regarding our standards work. The Committee has been approached with a request to endorse a webinar entitled “Measuring the water content of transformer cellulosic insulation: experience in Australia”, by Dr. Dan Martin & Prof. Tapan Saha from the Power & Energy Systems Group, University of Queensland. They were informed that we could not endorse the webinar, but that after the proposed material is reviewed, it may be possible to provide the Committee’s sponsorship. Review of the provided presentation is presently in progress.

5.3.7 Association Management System, 123 Signup

All WG’s should be using AMS to track their membership and meeting attendance. If you are unable to so, please assign it to someone in your group who can.

IEEE will be moving toward use of the AMS, 123 Signup system starting in 2018. As a result, the yearly cost to the Transformers Committee will now be covered by IEEE. There is not expected to be any change in how the system is presently used. The Committee will still be responsible for registration system and credit card fees.

5.3.8 Website Password Usage

It is not for public dissemination. It is for use by our meeting attendees (CM, AP, II) and associated work of the Transformers Committee. One can think of it as a benefit of attendance and participation. It may be used by meeting attendees and within attendees immediate workplace, but not beyond that.

5.3.9 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.

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 January 2018, the following five (5) existing Accepted Letters of Assurance pertain to our committee:

1. C57.127 Guide for Detection and Location of Acoustic Emissions from Partial Discharges in Oil-Immersed Power Transformers and Reactors. LoA recorded September 6, 2005. Filed by ABB Technology, Ltd. Patent Serial Number: 6,340,890 (US)
2. C57.139 Guide for Dissolved Gas Analysis in Transformer Load Tap Changers. LoA recorded January 16, 2013. Filed by Maschinenfabrik Reinhausen GMBH. Patent Serial Number: Not indicated
3. C57.163 Guide for Establishing Power Transformer Capability while under Geomagnetic Disturbances. LoA recorded May 5, 2014. Filed by Advanced Power Technologies, LLC. Patent Serial Number: 20130285671 (US)
4. C57.147 Guide for Acceptance and Maintenance of Natural Ester Fluids in Transformers, and C57.155 Guide for Interpretation of Gases Generated in Natural Ester and Synthetic Ester-Immersed Transformers. LoA recorded April 5, 2017. Filed by Cooper Power Systems, LLC. Patent Serial Number: 6,398,986 (US), 6,905,638 (US), 7,651,641 (US)
5. C57.147 Guide for Acceptance and Maintenance of Natural Ester Fluids in Transformers, and C57.155 Guide for Interpretation of Gases Generated in Natural Ester and Synthetic Ester-Immersed Transformers. LoA recorded April 5, 2017. Filed by Cooper Power Systems, LLC. Patent Serial Number: PI 9612097-5

Distribution of an LoA to the related Working Group is permitted.

5.3.10 Ballot Resolution Groups (BRG)

There continues to be "discussion" about this issue. As a reminder from the Chair, all BRG's should be done with a smaller group, not the entire Working Group. Only substantial issues brought up in the ballot need to be discussed with the WG. However, the WG must be

presented with and approve the final output work of the BRG. The Transformers Committee P&P, Section 5.0, which addresses subgroups of the working group, states "Any resolution of a subgroup shall be subject to confirmation by the working group." A BRG is a subgroup of the working group, so section 5.0 applies. Unless explicitly empowered by the working group otherwise, **the BRG comment resolutions shall be presented to the working group for confirmation and approval.** Concurrence requires approval of two-thirds of the voting WG members and is to be documented in the meeting minutes as having been done. Existing Ballot Resolution Groups are NOT exempt.

5.3.11 Transformers Committee Policies and Procedures (P&P) Update

The TC Sponsor P&P was approved on Mar 27, 2014 and expires on Dec 31, 2019. A new template was developed by PES Tech Council and approved by AudCom. Peter Balma has volunteered to lead a TF on revision of the TC and the WG P&P. Although the WG P&P is not due for revision, it has been suggested that both be done to ensure they are in alignment.

The P&P is one of three main governing documents that comes from PES Tech Council and IEEE-SA. It is sometimes called the Sponsor P&P, and it applies to Standards Development.

There is also an O&P, for Organization & Procedures, which supplements the P&P and applies to everything else the Committee does. It covers: general operating procedures of the committee, subcommittees, and working groups; responsibilities of officers; membership issues; org chart; technical papers and presentations, etc.

The third governing document is the Working Group P&P.

5.3.12 Website

Susan McNelly, the present Webmaster is slowly working on a transition from the present non web based web updating program to a web based platform. IEEE has been requested to help with this transition. No information has yet been provided by IEEE on a initial site format so that this transition can begin. There have been to meeting participants that have offered their expertise, but until the starting template is provided by IEEE, nothing will likely progress. A web based updating platform will allow multiple people the ability to make updates to spread the workload.

There will be considerable upfront work to make this transition, but afterwards, little effort will be required to maintain the site.

Interested individuals should contact Susan.

Respectfully submitted,

Susan J. McNelly

Chair, IEEE/PES Transformers Committee
March 2, 2018