

## 4.0 CHAIR'S REPORT – SUSAN McNELLY

Chair's Remarks – Presented at the Monday General Session -- Jacksonville, Florida - Fall 2018

### 4.1 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>.

#### 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 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	Miriam Sanders
Technical Sessions	Vijay Vittal
Organization & Procedures, O&P	Hong Chen
Standards Coordinating	Ted Burse
Website	Dan Toland

##### COORDINATING COMMITTEES 2018

Intelligent Grid & Emerging Tech., IGETCC	Doug Houseman
Marine Systems, MSCC	Dwight Alexander
Wind and Solar Power, WSPCC	Debbie Lew

##### TECHNICAL COMMITTEES 2018

Analytical Methods for Power Systems, AMPS	Alex Schneider
Electric Machinery, EM	Kay Chen
Energy Development & Power Generation, EDPG	Ward Jewell
Energy Storage & Stationary Battery, ESSB	Chris Searles

<b>TECHNICAL COMMITTEES 2018</b>	<b>Chair</b>
Insulated Conductors, IC	E. Rusty Bascom
Nuclear Power Engineering, NPE	Thomas Koshy
Power System Communications & Cybersecurity, PSCC	Mike Dood
Power System Dynamic Performance, PSDP	Claudio Canizares
Power System Instrumentation & Measurements, PSIM	Ernst Hanique
Power System Operation Planning & Economics, PSOPE	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

#### **4.1.2 PES Technical Council Activities**

Joint Technical Committee, JTCM Webex Meeting, July 11, 2018.

Angie Rajski Parashis – Technical Council and Committees – New PES Staff Support and Liaison to IEEE PES was introduced. She indicated that she plans to work with Technical Council leadership and to facilitate relationships with the Technical Committees.

The next Technical Council retreat that will be attended by the Transformer Committee Chair will be held 11/29 – 11/30/2018 in Scottsdale, Arizona.

The next JTCM meeting will be held in January 13 – 17, 2019 in Garden Grove, California.

IEEE PES will be developing a Topics Calendar to encourage the curation of new content from the Technical Committees. The calendar will allow for the solicitation of new presenters and authors across all product areas of PES. It will include, but not be limited to, reports, guides, standards, webinars, tutorials, articles, workshops, etc. This effort will require the collaboration of many groups within IEEE PES.

The Technical Council is also looking to create an inventory of completed content on the Technical Committee websites. They are also looking to make the look and feel of the Technical Committee websites more consistent. How this will affect the Transformers Committee website will be discussed in section 4.2.9 of this report.

## **4.2 TRANSFORMERS COMMITTEE ACTIVITIES**

Steve Shull will be stepping down as Distribution Transformer SC Chair. He will be replaced by J Ed Smith.

### **4.2.1 Liaison Representatives - Appointed by Committee Chair.**

- ASTM D27 – Tom Prevost
- CIGRE – Craig Swinderman
- 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

### **4.2.2 Committee Schedule**

Jerry Murphy has volunteered to manage the Committee Meeting Schedule. Please send meeting time slot updates and requests to Jerry going forward.

### **4.2.3 RFID**

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

### **4.2.4 Thursday morning Tutorials and Webinar opportunities**

Tom Prevost is coordination topics for the Thursday morning tutorials. If interested, see Tom or any of the officers. Any feedback by attendees is welcome.

IEEE PES continues to request that each of the Technical Committees offer Webinar opportunities regarding our standards work.

### **4.2.5 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. In addition to using the AMS, a list of names and affiliations must be included in the meeting minutes.

IEEE is still working towards the use of the AMS, 123 Signup system, but a firm date for this transition has not been identified. The revisions due to the European GDPR may be part of the holdup. When it is finally put into affect, the yearly cost to the Transformers Committee will be covered by IEEE. The Committee will still be responsible for any registration system and credit card fees.

### **4.2.6 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. 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 will be implemented immediately after the Jacksonville meeting.

#### 4.2.7 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 October 2018, the following six (6) 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

6. C57.143 IEEE Guide for Application for Monitoring Equipment to Liquid Immersed Transformers and Components. LoA submitted to IEEE October 12, 2018. Filed by Roger Fenton. Patent Docket number 15/371,085.

#### **4.2.8 Transformers Committee Policies and Procedures (P&P) Update**

A revised TC Sponsor P&P will be voted on at the Jacksonville meeting. Although the WG P&P is not due for revision, work on this and either a separate Entity WG P&P or addition of this to the WG P&P will be starting up once the TC Sponsor P&P is complete.

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. Review of the O&P document will be done to make sure that it aligns with any changes made to the P&P.

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

#### **4.2.9 Website**

Susan McNelly, the present Webmaster has started working on a transition from the present non web based web updating program to a web based platform. A base platform has been created and plans are to begin populating the new platform between now and the next meeting. A definitive timeline has not been set. A web based updating platform will allow multiple people the ability to make updates to spread the workload.

Individuals interested in helping with this effort should contact Susan.

Respectfully submitted,

*Susan J. McNelly*

Chair, IEEE/PES Transformers Committee

October 14, 2018