

IEEE Transmission & Distribution Committee

<http://sites.ieee.org/pes-td/>



2016 MINUTES FOR T&D ADMINISTRATIVE SUBCOMMITTEE

MEETING LOCATION AND TIME

Boston, Massachusetts, USA
Thursday, 2016 July 21, 08:00 to 11:30 AM
Sheraton Boston Hotel, Grand Ballroom, Room Beacon A

INTRODUCTIONS

The following members attended the T&D AdCom Meeting on July 31, 2016.

- John McDaniel, Chair of T&D Committee
- Daniel Sabin, Chair of T&D Administrative Subcommittee, Vice Chair of T&D Committee
- Gary Chang, TCPC and Secretary of T&D Committee, Chair of Power Quality Subcommittee
- Brian Johnson, Vice Chair of HVDC & FACTS Subcommittee
- Ed Hunt, Chair of Overhead Lines Subcommittee
- Eriks Surmanis, Secretary of ESMOL Subcommittee
- Damir Novosel, IEEE PES President
- Alan Rotz, IEEE Division VII Director
- Rich Collins, Chair of Overhead Lines Committee
- Bill Chisholm, Immediate Past Chair of T&D Committee
- Surya Santoso, TCPC of T&D Committee
- Richard Sévigny, Chair of Capacitor Subcommittee
- Stig Nilsson, Past T&D Committee Chair
- Michael Garrels, Vice Chair of Standards Coordination
- Julio Remero, Chair of Distribution Subcommittee
- Michael Kipness, IEEE-SA Program Manager

The meeting was chaired by the T&D AdCom chair, Dan Sabin. The minutes were taken by Gary Chang.

REPORT FROM IEEE PES EXECUTIVE COMMITTEE

Alan Rotz, IEEE Division VII Director, and Damir Novosel, IEEE PES President, reported the objectives and asked for opinions of the following three aspects that IEEE PES would like to promote.

- The Resource Center
- Standards promotion and communication
- Global participation and international outreach

Both officers would like to have PES T&D Committee to use the Resource Center more often and publicize the work that the committee has done for IEEE PES members and attract more participants globally in both standards development and meetings engagement.

PREVIOUS MEETING MINUTES

ACTION ITEMS

Dan Sabin asked if subcommittee chairs had tried the join.me webex types of meeting option. The update dates in the bottom of each subcommittee web page was also reviewed.

The minutes from previous meeting in Denver, Colorado, on July 30, 2015 were reviewed. The AdCom members approved the minutes.

REVIEW OF E-BALLOTS

- The results of two eBallots for new officers sent via email on November 2015 and January 2016 were reviewed by the T&D Committee secretary, Gary Chang.

First eBallot is to vote Surya Santoso as the TCPC of T&D Committee for 2015-2016 term. The results in the electronic ballot were 12 “yes” votes and zero “no” vote.

Second eBallot is to vote Michael Garrels as the Vice Chair of Standards Coordination of T&D Committee for 2015-2016 term. The results in the electronic ballot were 13 “yes” votes and zero “no” vote.

Both officers were approved by AdCom members.

OFFICER REPORTS

The chair of T&D Committee, John McDaniel, provided a report based on attending the Technical Council meeting.

The T&D Committee needs to provide one to three activities of promotable interest to the technical council officers. Examples would be new standards or new tutorials.

The technical report from the IEEE PES T&D Committee to the IEEE PES Technical Council is due each year by January 31.

John mentioned that the Tech Council requested new or reused standards (white paper, reports, and presentation slides) for promotion of the resource center.

The Tech Council wants each committee to have a marketing and PR coordinator.

The committee is working on a new sponsor for P&P template, few slides changes and will approve soon. Current version T&D committee will expire in 2018.

IEEE is establishing a scholarship in the name of Erich Gunther. Volunteers are encouraged to help contribute. For more information, contact Bob Zavadil or Doug Houseman of EnerNex Corporation.

Doug Houseman chairs the merging IGT/EC and looks for new technologies that will impact the committee in future. Need more volunteers in early careers to participate in the activities.

PES leadership: Want PES more relevant to members and try to increase utility participations.

IEEE/PES/DOE at T&D Conf and Expo signed MOU to address grid modernization and will sign with FERC/NERC

There are 565 standards are under PES and are about 46% of all IEEE standards. PES has 44% of all active PARs and T&D Committee takes 11% of PES standards or 5% of all IEEE standards.

T&D Conf and Expo looks for WG interested to have evening poster sessions to increase participation.

Bill Chisholm will serve as the upcoming three-year term Fellow Coordinator for T&D Committee under PES.

IEEE Standard Association comes out some on-line training near future and has passed out Quick Reference Guide to working group chairs for questions.

Standard Association had SCC 21 update- Standard 1547 is under revision and has conflicts with PQ standards.

VICE CHAIR REPORT

Dan Sabin showed a quick reference guide distributed at Technical Council meeting for working group chairs. The reference guide provides tips for WG meetings and is a policy and procedure document that can be downloaded from T&D Committee website.

Dan Sabin volunteered to serve as the web master for T&D Committee and introduced the WordPress System maintained by IEEE for committee/subcommittee/WG websites updates. Motion approved for adaptation of WordPress for committee website maintenance by all AdCom members.

IEEE Standards has prepared an informational toolkit to help provide guidance on the IEEE-SA standards development process, addressed specifically to working group chairs: See https://standards.ieee.org/develop/policies/ieee_sa_toolkit.pdf

TCPC REPORT

Surya Santoso mentioned that the deadline for 2017 PES GM paper and panel submissions is November 7. TCPC needs to get meeting/panel requests from each subcommittee two weeks earlier (10/24/2016).

For 2016 PES GM, 51 out of 100 submitted conference papers were accepted and 41 papers were rejected; 25 transactions papers are to be presented.

PAST CHAIR REPORT

Bill Chisholm reported that the entity of ballot standard has requested to be part of the P1898 development and review process and asked the chair of P1898 WG to participate in the Insulator Committee meeting, but not seeing this happens. John McDaniel and Michael Kipness informed that the Insulator Committee can take the ownership of P1898 PAR once it has been approved.

NEW IEEE-SA PROGRAM MANAGER

The IEEE-SA Program Manager responsibilities of the IEEE PES Transmission & Distribution Committee have been transitioned from Erin Spiewak to Michael Kipness. Mike comes to T&D with a great deal of knowledge and experience of the Standards Development process as he has made a positive impact on several different societies including the Computer Society, Vehicular Technology, and the Robotics & Automation Society. Mike's email is m.kipness@ieee.org and his telephone number is +1-732-562-3810.

PES TECHNICAL COMMITTEE REORGANIZATION

FINAL CHANGES

- The Integration of Renewable Energy Subcommittee was transferred to the EDPG Committee.
- The HVDC/FACTS Subcommittee remained in T&D Committee.

- The Bare Overhead Line Conductors WG will remain in the T&D Overhead Lines Subcommittee.
- The General Systems Subcommittee is moving to Analytic Methods for Power Systems (AMPS) Committee, minus the Lightning Performance of Overhead Lines WG, which will remain in T&D Committee
- The Integration of Renewables Subcommittee was moved to the tentatively named Energy Development and Power Generation (EDPG) Committee.

MILESTONES

See <http://www.ieee-pes.org/technical-activities/committees/pes-technical-committee-reorganization>

- 15 January 2016 - PES Governing Board Approval of new Technical Council/Committee Structure (APPROVED)
- 31 January 2016 - Proposed slate of officers for those committees that are changing. Please provide to Miriam Sanders, Technical Council Chair.
- March 2016 - Sponsor P&Ps submitted to IEEE Standards Board for approval
- 31 March 2016 (not later than) - Update PES membership on new Technical Committee Structure
- 1 May 2016 - Revised Organization and Procedure document to PES Technical Council Officers -- this should include the scope of the committee, as well as the subcommittee titles and their scopes. This will be reviewed by the Technical Council O&P committee (made up of PES Technical Committee Representatives).
- April 2016 - Start implementation of new Technical Committee Structure
- July 2016 - Conduct additional Town Hall meetings as needed to inform membership about the changes at the 2016 PES General Meeting. Only fifteen people attended.

AWARDS

NEWLY ELEVATED FELLOWS

There are 21 new PES Fellows and 5 of them are in T&D Committee.

- George Larry Clark - for contributions to distribution automation
- Michael Henderson - for contributions to the application of high-voltage DC and flexible AC transmission systems
- Robert Nelson - for contributions to flexible AC transmission system (FACTS) devices for wind power generation
- Daniel Sabin - for leadership in power quality database management and analysis software
- Silverio Visacro - for contributions to lightning protection

OTHER AWARDS

- IEEE PES Douglas M. Staszkesky Distribution Automation Award: Mohammad Shahidehpour
- IEEE PES Nari Hingorani Custom Power Award: Rambabu Adapa
- 2016 IEEE/PES Award for Excellence in Power Distribution Engineering: John J. Grainger
- IEEE PES Working Group Recognition Award --Technical Report: Joint Working Group of the Transmission & Distribution, Electric Machinery and Power System Relaying Committees: "Fault Current Contributions from Wind Plants"

COORDINATION ACTIVITIES

CIGRÉ AND CIRED

Bill Chisholm reported that the committee has a very close coordination to 6 to 8 CIGRE study committee meetings (e.g. Lightning WG).

2017 CIRED biennial conference will be held in Glasgow, Scotland. Members are encouraged to submit papers to sessions in Distribution and Power Quality.

COORDINATION WITH SPD COMMITTEE ON IEEE STD 1243

Coordination with 1243 SPD committee was also reported by Bill Chisholm. The most recent thinking was regard to calculating energy duty of arresters reported to IEC 60099. The other aspect of CIGRE coordination activity is that to put the arrester near the vibration damper is not a good idea and needs to be assessed.

OFFICER ROTATION OF SUBCOMMITTEES

John McDaniel addressed that the committee/subcommittee officers' service terms are stated in the O&P manual in response to Rich Collin's query. The term is three years and can be extended for another term if no officer can be found. No subcommittee chair rotation this year.

SUBCOMMITTEE REPORTS

Short Summary of Subcommittee Activity (e.g., Projects/Standards Recently Completed) with Emphasis on Items Needing AdCom Action and Notification from Subcommittee Chairs to T&D Committee Chair of Newly Appointed Working Group Chairs

CAPACITOR SUBCOMMITTEE

Richard Sévigny reported that the subcommittee has extended its activities with adding more task forces in last five years. The new task force is related to low voltage shunt capacitors application. All contributors of the new task force are basically outside. Standard 824 (Series Capacitor) is in balloting level. Application guide for shunt power capacitors (Std. 1036) is also getting for balloting. The Task Force on Capacitor Geomagnetic Disturbances (GMD) Mitigation just kick-off a new paper for another year of work. Task Force on Capacitor Discharge Limitation Application is producing another paper in the half way to accomplish. The WG just started to refresh the Guide for Application and Specification of Harmonic Filters.

There is a problem with the GM meetings schedules, the different WGs cannot use Monday morning anymore. For this meeting time compressions were performed on time slots for the meetings. Using Sunday afternoon for meetings is under consideration.

HVDC & FACTS SUBCOMMITTEE

Subcommittee members held a tutorial on "Planning and Integration of Flexible HVDC into Today's Grid" that was organized by three of the working groups within the subcommittee, with 37 registered. Working groups from the subcommittee held two panel sessions at the general meeting plus another at the T&D conference. All working groups under the subcommittee met at the general meeting. Two of the working groups held a combined one day meeting in Belgium in January with a telecom option for those unable to attend in person. The two working groups

will meet in England in February. The subcommittee has been trying to improve coordination with the large number of CIGRE working groups under study committee B4. In addition the subcommittee is exploring options to reinvigorate standards activities. A new volunteer will take over maintenance of subcommittee web page.

DISTRIBUTION SUBCOMMITTEE

Julio Romero Aguero reported that the subcommittee had a good activity with 5 active working groups. The Smart Distribution WG co-sponsors 2 invited panel sessions for the IEEE PES 2017 GM. Smart Distribution WG also worked on two guides and sponsored an 8-hr tutorial. Stray and Contact Voltage Working Group just published a report. Switching and Overcurrent Protection Working Group is working on a document. Smart Distribution WG will have a tutorial related to applications of PMU in distribution systems in ISGT 2016. Several subcommittee members were awarded prizes and to be commented. The vice chair position of the subcommittee is vacant and the candidate is to be confirmed.

ESMOL SUBCOMMITTEE

Ed Hunt reported that the subcommittee just formed a study group on 1048 (IEEE Guide for Protective Grounding of Power Lines) looking at the technical sides of the document with correct information. Review comments for IEEE P1882 just came out. Review of 1307 will be closed soon. 1071 is going through comments resolution.

The 516 WG chair, James Christensen, has stepped down and Kris Buchholz becomes the new chair. Larry Schweitzer has 1067 closing and has retired; the WG is looking for a new chair. ESMOL vice chair and 1070 WG chair, Alan Holloman, will step down. Eriks Surmanis steps up as the ESMOL vice chair and the subcommittee is looking for a new secretary. 1070 WG also looks for a new chair.

Eriks Surmanis reported that ESMOL Conference is coming up during 12-15 September. Technical paper and panel sessions, venter floors, and AEP active live demonstrations are planned for the conference.

OVERHEAD LINES SUBCOMMITTEE

Rich Collins reported that 9 WG and 9 TF meetings were held in Boston. Standard 524 has approved and two others are in ballots. Corona and Field Effects Working Group is struggling to find enough people to participate in the WG activities. The subcommittee has a new technical report on HVDC Overhead Line in final review stage and hope to be published before JCTM. Bill Chisholm suggests also circulate the tech report to HVDC/FACTS Subcommittee chair, Andrew Issac. Nelson Bingle has stepped down from the chairmanship of The Changes to the NESC WG and Otto Lynch will take the new place; the WG is refreshing its scope.

Rich Collins also reported that the subcommittee has difficulties in meeting room arrangements this year. John McDaniel would like to send comments to Tech Council leaders for resolution of meeting room sizes.

POWER QUALITY SUBCOMMITTEE

Gary Chang reported that the subcommittee had a memorial session for Erich Gunther. Four successful panel sessions were held in Boston. Four more panel sessions are planned for 2017 PES GM. Harmonics WG has a new chair, David Zech, and the secretary is Steve Tatum. The subcommittee discussed the situation not directly refer PQ documents of this subcommittee in the 1457 standards. All currently guides or recommended are practices. The subcommittee suggested that every WG that has a document reconsider whether it can be made a standard. John McDaniel and Dan Sabin suggested use proper wording for comments when reviewing 1547 standards. Michael Kipness would like to help pass comments on 1547 from the subcommittee members to SCC 21.

REPORT FROM EMERGING TECHNOLOGIES COORDINATING COMMITTEE

Gary Chang reported that no meeting was held in Boston.

NEW BUSINESS

Dan Sabin proposed the discussion of rotations of T&D Committee officers. Dan Sabin will be the new chair, John McDaniel becomes the past chair, Gary Chang moves to the vice chair, Surya Santoso moves to the secretary, and Eriks Surmanis becomes the TCPC for T&D Committee; all positions are effective on January 1, 2017. Motion was made by John McDaniel and Bill Chisholm seconded.

John McDaniel stated that, General Systems Subcommittee has been moved to another committee in responding to the PES reorganization, he would like to make a motion to keep the Lightning Performance and Overhead Lines WG staying in T&D Committee as a stand-alone WG. Gary Chang seconded. The motion was approved.

Michael Garrels described his duties as the vice chair of standard coordination for T&D Committee. He would like to get permission to have better labels in MyProject for subcommittee/WGs related to standard development. Motion was made by Bill Chisholm and John McDaniel seconded to approve the committee mandate to have such action.

Action Items:

1. The Distribution Subcommittee has an agenda in each subcommittee meeting for liaison reports from Insulated Conductors, Power System Communications, PSIM, PSRC, SCC-21, and PQ Subcommittee.
2. Gary is to identify the person from the PQ Subcommittee who would provide the liaison report to the Distribution Subcommittee. The report would include a summary of the subcommittee activity (e.g., the latest minutes) and would highlight any PQ standards that overlap with the scope of the Distribution Subcommittee.
3. Gary is to add agenda item to the regular PQ Subcommittee Meeting for liaison reports and add the Distribution Subcommittee to the list of liaisons.
4. Gary is to add a liaison report from SCC-22 Coordinating Committee on Power Quality (working with Theo Laughner). Usually the PQ Subcommittee and SCC-22 meet around the same time, but the liaison report would make the subcommittee meeting minutes and would be readable online by people who do not attend the actual meeting in person.
5. Julio is to identify the person from the Distribution Subcommittee who would provide the liaison report to the PQ Subcommittee. The report would highlight any distribution standards include a summary of the subcommittee activity (e.g., the latest minutes) and would highlight the projects that overlap with the scope of the PQ Subcommittee.

COMMITTEE AND SUBCOMMITTEE WEBSITE STATUS

<http://grouper.ieee.org/groups/td/>

Maintained by Dan Sabin (d.sabin@ieee.org)

Revised: 2016-07-20.

ADMINISTRATIVE SUBCOMMITTEE

<http://grouper.ieee.org/groups/td/admin/>

Chair: Daniel Sabin

Maintained by Dan Sabin (d.sabin@ieee.org)

Revised: 2016-07-20

CAPACITOR SUBCOMMITTEE

<http://grouper.ieee.org/groups/td/cap/>

Chair: Richard Sévigny

Maintained by Tom Grebe (tgrebe@ieee.org)

Revised: 2016-07-14

DC & FACTS SUBCOMMITTEE

www.ece.uidaho.edu/hvdcfacts/

Chair: Andrew Isaacs

Maintained by Brian Johnson (b.k.johnson@ieee.org)

Revised: 2015-12-30

DISTRIBUTION SUBCOMMITTEE

<http://grouper.ieee.org/groups/td/dist/>

Chair: Julio Romero Aguero

Maintained by Dan Sabin (d.sabin@ieee.org)

Revised: 2016-07-20

ESMOL SUBCOMMITTEE

<http://ieee-sa.centraldesktop.com/esmolpublic/>

Chair: Ed Hunt

Maintained by Eriks Surmanis (e.surmanis@pdc-cables.com)

Revised: 2016-07-08

POWER QUALITY SUBCOMMITTEE

<http://grouper.ieee.org/groups/td/pg/>

Chair: Gary Chang

Maintained by Dan Sabin (d.sabin@ieee.org)

Revised: 2016-07-20

OVERHEAD LINES SUBCOMMITTEE

<https://ieee-sa.centraldesktop.com/overheadlineswg/>

Chair: Richard Collins

Revised: 2015-07-30

Maintained by Michael Garrels

FUTURE MEETINGS

The future meetings for the subcommittees, working groups, and task forces of the IEEE T&D Committee are summarized in the following table:

Dates	Meeting	Location
2016 Sept 11-15	ESMOL	Columbus, Ohio, USA
2016 Sept 6-9	ISGT	Minneapolis, MN, USA

2016 October 16-19	ICHQP	Belo Horizonte, Brazil
2017 January 8-12	Joint Technical Committee Meetings	New Orleans, Louisiana, USA
2017 July 16-20	PES General Meeting	Chicago, Illinois, USA
2018 January 7-11	Joint Technical Committee Meetings	Jacksonville, Florida, USA
2018 April 16-19	T&D Conference & Expo	Denver, Colorado, USA
2018 August 5-8	PES General Meeting	Portland, Oregon, USA
2019 January	Joint Technical Committee Meetings	Orange County, California, USA
2020	T&D Conference & Expo	Chicago, Illinois, USA

Adjourn

The meeting adjourned at 11:25 AM.