

# IEEE Transmission & Distribution Committee

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



## Q2015 MEETING MINUTES FOR T&D ADMINISTRATIVE SUBCOMMITTEE

### MEETING LOCATION AND TIME

Denver, Colorado, United States  
Thursday, 2015 July 30, 08:00 to 11:30 AM  
Sheraton Denver Hotel, Director's Row F

### ATTENDEES

The following 12 members attended the T&D AdCom Meeting in Sheraton Denver Hotel from 8:00 to 11:30pm on July 30, 2015.

- John McDaniel, Chair of T&D Committee
- Daniel Sabin, Chair of T&D Administrative Subcommittee, Vice Chair of T&D Committee
- Bill Chisholm, Past Chair of T&D Committee
- Gary Chang, TCPC and Secretary of T&D Committee, Vice Chair of Power Quality Subcommittee
- Rich Collins, Chair of Overhead Lines Committee
- Juan Martínez, Chair of General Systems Subcommittee
- Eriks Surmanis, Vice Chair of ESMOL Subcommittee
- Richard Sévigny, Chair of Capacitor Subcommittee
- Rajiv Varma, Secretary of HVDC & FACTS Subcommittee
- Girish Behal, Secretary of WG 15.05.08 HVDC/FACTS Economics and Operating Strategies
- Ernst Camm, Chair of Integration of Renewable Energy Into the Transmission & Distribution Grids Subcommittee
- Rich Binham, Chair of Power Quality Subcommittee

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

### PREVIOUS MEETING MINUTES

The minutes from previous meeting in National Harbor, Maryland, on July 30, 2014 were reviewed. The AdCom members approved the minutes.

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### ACTION ITEMS

- Each subcommittee chair should assign a subcommittee member to try to use the Join.Me web conferencing solution.
- Each subcommittee chair should assign someone the task to update their member rosters, and provide the updated roster to the T&D secretary. Rich Bingham provided a members checklist as an example for subcommittees.
- The T&D Committee officers must identify a new TCPC for the T&D Committee before January 2016.

- Michael Starke needs to add IEEE’s mandatory statement at the bottom of every web page of the IEEE Integration of Renewable Energy into the Transmission and Distribution Grids Subcommittee: “IEEE prohibits discrimination, harassment, and bullying. For more information, visit <http://www.ieee.org/web/aboutus/whatis/policies/p9-26.html>
- Michael Garrels needs to add IEEE’s mandatory statement at the bottom of every web page of the Overhead Lines Committee: “IEEE prohibits discrimination, harassment, and bullying. For more information, visit <http://www.ieee.org/web/aboutus/whatis/policies/p9-26.html>”

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## REVIEW OF E-BALLOTS

- The following two proposals of move of two T&D subcommittees conducted by eBallot sent on 2015/02/18 are approved.  
  
First Proposal is to move the Integration of Renewable Energy into the Transmission and Distribution Grids SC into the Energy Development and Power Generation Committee.  
  
Second Proposal is to move the General Systems SC (minus the Lightning WG) to the “Analytic Methods in Power Systems” Committee.
- ANSI C29 IEEE Delegate approval of Jack Varner by eBallot voting on 2015/02/22.

## OFFICER REPORTS

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

Organization & Procedures Committee had a short meeting because reorganization was going on. IEEE SA will issue new templates for 2016 WG and Sponsor P&P manuals. T&D Committee’s P&P and O&P will expire in three or four years. O&P Committee will get new baselines from IEEE SA to create template for all technical committees.

Technical Committee awards for Outstanding Standard/Guide, Technical Report, and Prize Paper Award are now being handled through Technical Council Awards Chair. The recipients of these awards are:

Young Professional Award- C. J. Moreau of Substations Committee  
Distinguished Service Award – M. L. Chan and Doug Houseman  
Technical Committee of the Year – Relay Committee

There is no nomination for the IEEE-level awards this year.

John reported that PES Tech Council now has its own calendar to post the outcoming meetings. Committee chairs will forward their meeting info to be posted.

Miriam Sanders takes over as the Technical Council chair (Ken Edwards stepped down as the past chair. Vice Chair is Farnoosh Rahmatian, Vijay Vittal becomes the new secretary of Technical Council). The Tech Council is looking for greater international involvement in IEEE PES activities.

There is a joint DOE/IEEE USA initiative on quadrennial energy review. DOE looks for partnership with IEEE/PES. Cooperation topics include Improving Grid Communication & Interoperability, DOE participation at PES conferences, Support & Technology Advancement with panels/workshops, and Development of Educational Materials

GM 2016 Theme is Paving the Way for Grid Modernization.

The call for paper is out on the PES web, and is being promoted at this GM. Super Sessions topics are:

Managing Demand in a Variable Supply World  
Business Models for Electricity Market  
Smart Buildings, Smart Loads, and Smart Cities  
Resiliency in the Power Grid

Dan Sabin suggested to push ICHQPS to be a IEEE PES sponsored conference.

A standard cover page for Technical Reports has been established and a template (in single-column format) is developed to publicize the technical committee's work. The technical reports, presentation slides, tutorials, etc. are put in IEEE PES resource center. PES membership allows free download of these items. Technical Sessions Committee is working with IEEE staff on e-Commerce for sale to non-PES members.

Dan Sabin said that Wilsun Xu had prepared a technical report and could be a reference.

John mentioned that IEEE SA Public Review Process for standards to be balloted is active and live (public review days: 65, balloting days: 30)

IEEE SA is developing a toolkit for working group chairs to develop standards

IEEE WG 1264 has produced an animated video for animal deterrent in substations to publicize the use of the standard.

They try to finalize the GMD paper and the work is held up due to discrepancies between technical experts writing the paper. The Transformer Committee has a standard now out on GMD.

John reported that OSHA has new rules of minimum approach distances (MAD) and asked if ESMOL has performed related studies.

John McDaniel and Bill Chisholm had a meeting with IEEE-SA for T&D process and a new proposed standard P1863 (Guide for Overhead AC Transmission Line Design (110-1000 kV) from China.

Bill Chisholm reported that the T&D Committee has a concern of the resolution process for the public review responses received.

At present, there are about 1100 active IEEE standards and PES owns 547 of them. T&D Committee has 60+ active standards. There are 251 active PARs for all PES. Any group has a standard from 2008 or earlier needs to take the PAR out and make a revision by the end of 2018.

Technical Sessions Committee has developed Guidelines being developed for TCPCs, Aug. 3 is the deadline for tutorial submissions for 2016 T&D Conf and Expo, Aug. 10 is submission deadline for T&D conference papers, Sept. 7 is deadline for panel proposal submissions, and Nov. 9 is deadline for 2016 GM panel proposal submissions.

Next GM will set up auto checks for conflicts between Panel Sessions and Super Sessions. If any committee has more than 50 conference papers, it can have separate TCPC for each subcommittee. Two T&D Committee TCPCs, one for handling papers and one for meeting schedule arrangement, are suggested for future GM meetings.

There are four categories of IEEE Fellows. The PES goal is to increase nominations & quality of nominations. Nominator does not need to be Fellow and five to eight references need to be Fellows. In 2015 PES has 40% acceptance rate. In T&D Committee there are four members named 2015 IEEE Fellows.

## PES TECHNICAL COMMITTEE REORGANIZATION

### DISCUSSED CHANGES

- There has been discussion to have the Power Systems Instrumentation and Measurement (PSIM) Committee moved into the T&D or Transformer Committee as a subcommittee. However, Tech Council voted to have PSIM remain a committee for at least one year. If membership does not increase, then they will be asked to decide to which other committee they will move.
- The General Systems Subcommittee of the T&D Committee, with the exception of the Lightning Working Group, will be moved to the Analytic Methods in Power Systems ("AMPS") Committee. Will need a new name for the subcommittee to better match its scope.
- The Integration of Renewables Subcommittee will be moved to the tentatively named Energy Development and Power Generation (EDPG) Committee.

- The HVDC/FACTS Subcommittee is proposed to be moved to the Substations Committee as a subcommittee.  
Action item: Groundings of HVDC will be proposed as a joint working group work by interested people between HVDC/FACTS and Substation Committees
- The DMS Task Force of the Smart Distribution Working Group of Distribution Subcommittee is possibly to move into the new Power Systems Planning and Operations (PSPO) Committee  
John McDaniel reported that the above moves of T&D subcommittees will not be finalized until 2016 JCTM in Memphis.

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## MILESTONES

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

- 30 August - Deadline for feedback in regards to proposed changes
- 31 October - PES Technical Council Subcommittee to provide updated proposal based on feedback received
- 30 November - Update proposal reviewed by PES Technical Council/Technical Committees, the PES Long-Range Planning committee and the PES Executive committee
- 31 December - Technical Council Approval of new Technical Council/Committee Structure (i.e. Names and scope of operations of committees)
- January 2016 - PES Governing Board Approval of new Technical Council/Committee Structure at the Joint Technical Committee Meeting in Memphis

## AWARDS

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### NEWLY ELEVATED FELLOWS

- Alberto Borghetti - for contributions to modeling of power distribution systems under transient conditions
- Francisco De Leon - for contributions to transformer modeling for electromagnetic transient studies
- Luis Marti - for contributions to modeling and simulation of electromagnetic transients
- Surya Santoso - for contributions in automated root cause analysis of electric power quality disturbance phenomena

The complete list of 2015 IEEE Fellows is available on <http://www.ieee.org/2015Fellowclass>

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### OTHER AWARDS

- IEEE PES Award for Excellence in Power Distribution Engineering - Elisabeth A. Tobin
- IEEE PES Douglas M. Staszkesy Distribution Automation Award - S. S. (Mani) Venkata
- IEEE PES Nari Hingorani FACTS Award - Richard Piwko
- IEEE PES Uno Lamm High Voltage Direct Current Award - Rainer Marquardt
- IEEE PES Outstanding Chapters Award- Large Chapter Category - Seattle Chapter (R6)  
- Small Chapter Category - Croatia Chapter (R8)

## POLICIES AND PROCEDURES FOR WORKING GROUPS

The document is to be posted on T&D Committee web site and to promote as valuable resource to working groups, especially new chairs.

## COORDINATION ACTIVITIES

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### CIGRÉ AND CIRED

John McDaniel and Dan Sabin each had papers accepted in the 2015 CIRED biennial conference held in Lyon (France). John McDaniel serves as Liaison to IEEE Distribution Subcommittee and Dan Sabin serves as Liaison to IEEE Power Quality Subcommittee in the US National Committee for CIRED. The 2017 CIRED biennial conference will be held in Glasgow (United Kingdom).

## OFFICE ROTATION OF SUBCOMMITTEES

Power Quality Subcommittee has voted to approve Gary Chang as the new chair on January 1, 2016. The nomination was moved, seconded, and approved unanimously.

Renewables Integration Subcommittee will likely have a new chair in January 2016, which will require an e-ballot.

## 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

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### CAPACITOR SUBCOMMITTEE

Richard Sévigny reported that two new task forces - low voltage shunt capacitors application task force and 1036 application guide task force were started.

Task Force on Capacitor Geomagnetic Disturbances (GMD) Mitigation was well attended (about 30 people) and a paper is under preparation. The subcommittee is looking for guidance to integrate the numbering of standards.

Action Item: Richard will ask Erin Spiewak for advice of numbering issues.

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### HVDC & FACTS SUBCOMMITTEE

Rajiv Varma (on behalf of Brian Johnson) reported that 50+ people attended the subcommittee meeting and 6 working groups reported. The subcommittee proposes 1 panel in 2016 T&D Conf and Expo, 2 panels in 2016 PES GM, and 1 tutorial in 2016 PES GM. The tutorial will get approval from T&D Committee chair. The liaison report from Substation Committee requests to have sufficient time for formalizing and finalizing tutorial proposal and will ask for help from Education Committee chaired by Brian Johnson regarding the issue. There are two working groups with overlapping names (Dynamic Performance and Modeling HVDC and PE under HVDC/FACTS Subcommittee and TF on Electromagnetic Transients Modeling and Analysis of FACTS and HVDC VSC Converters under General Systems Subcommittee). Juan Martinez-Velasco responded that he would like to cancel the mentioned task force under General Systems Subcommittee.

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### DISTRIBUTION SUBCOMMITTEE

John McDaniel reported that Stray Voltage Working Group received about 400 comments on balloting Guide 1695 and the WG is going over resolutions for comments. Distribution Reliability WG has the new chair, Val Werner.

John McDonald submitted a tutorial through Smart Distribution WG. Julio is doing an IEEE special publication under Power Delivery.

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#### ESMOL SUBCOMMITTEE

Eriks Surmanis reported that ESMOL is having a live working conference hosted by electric utility AEP from Sept. 10-17, 2016 in Columbus, OH. IEEE 516 Live Line Guide WG has a new chair, James Christensen. The subcommittee is like to know if the dual stamps for a paper of joint work between IEEE and IEC are possible. Eriks also said that five people from a company actively participated in their meetings without badges and the problem needs to be reported. Should IEEE write a paper on minimal approach distance was also discussed.

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#### GENERAL SYSTEMS SUBCOMMITTEE

Juan Martinez-Velasco reported that there are several working groups including 11 task forces under the subcommittee. Some WGs/TFs are active and some are not. The subcommittee considers reorganize these WGs/TFs.

Three panel sessions in ranks proposed by its TFs for 2016 GM include Real-Time Simulation of Power & Energy Systems, Practical Aspects of Ferroresonance, and Frequency Domain Methods for Transient Studies.

The subcommittee plans to cancel WG on Geomagnetic Induced Currents due to commercial activities was involved.

Juan also reported the transactions papers issues which need to be resolved with the editor-in-chief of IEEE Transactions on Power Delivery.

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#### INTEGRATION OF RENEWABLES ENERGY INTO THE TRANSMISSION AND DISTRIBUTION GRID SUBCOMMITTEE

Ernst Camm reported the chair, Wayne Dilling, of Wind and Solar Plant Collector Design WG passed away recently and his contributions were well acknowledged. The WG is seeking a new chair in next meeting.

Two technical issues related to Grounding TF meetings reached out to NESC is the recommendation of the number of grounds per mile and using a separate ground conductor in the trench for wind farm design. Chris Brooks is involved with NESC to prepare a draft proposal and submit it to NESC Committee.

Two panel sessions were held in 2015 PES GM.

Wind Farm Design WG plans to have two panel sessions in 2016 PES GM and one tutorial in 2016 T&D Conf and Expo and will get John McDaniel's approval.

The chair of Systems Impacts WG, Dan Brooks, plans to submit one or more panel session proposals in 2016 PES GM.

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#### OVERHEAD LINES SUBCOMMITTEE

Rich Collins reported that the subcommittee will have 6 TF meetings, 9 WG meetings, and two education sessions. It will have ANSI C29 liason meeting on Friday morning. Jennifer Havel is the chair of Overhead Lines Structural Material & Hardware WG; the WG has some PARs need to reaffirm and may go with extension. The name of one PAR may be changed due to the overlap with ANSI's new standard. The subcommittee is looking for new chair for

Overhead Conductors & Accessories WG. The 524 Standard is in ballot resolutions until October 2015 and has received 94% approval rate.

The AdCom subcommittee members reaffirm that IEEE delegates to ANSI C29 are Tom Grisham (Chairman), John Kuffel, Tim Shaw, Arjan Jagtiani, Nick DeSantis, and Jack Varner (Alternate). Bill Chisholm moved and Dan Sabin seconded.

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#### POWER QUALITY SUBCOMMITTEE

Rich Bingham reported that 13 WG/TF meetings this year with 28 attendees and more new people are involved in these WG/TF activities. Coordinate meetings include SCC 22 and C4.24. The subcommittee has three new officers this year. Four panels were held with well attendance this year. Four panels are planned for 2016 GM and two panels are planned for 2016 T&D Conf and Expo. The new PAR for 1159 has been approved and two PARs (519 and 519.1) are to be submitted. The 1453 Standard is now under revision.

#### REPORT FROM EMERGING TECHNOLOGIES COORDINATING COMMITTEE

Gary Chang reported that no meetings were held in this GM due to two similar committees are to be merged.

#### NEW BUSINESS

John McDaniel reported that Bill Chisholm took on the role of Fellow Coordinator for T&D Committee. The committee is looking for new candidate for the position.

Dan Sabin reported that T&D committee web sites need to be up-to-date. The status of the web site for each subcommittee was reviewed.

The AdCom members discussed the possible locations of JTCM for next few years.

#### COMMITTEE AND SUBCOMMITTEE WEBSITE STATUS

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

Maintained by Dan Sabin ([d.sabin@ieee.org](mailto:d.sabin@ieee.org))

Revised: 2015-07-24.

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#### ADMINISTRATIVE SUBCOMMITTEE

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

Chair: John McDaniel

Maintained by Dan Sabin ([d.sabin@ieee.org](mailto:d.sabin@ieee.org))

Revised: 2015-01-25

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#### CAPACITOR SUBCOMMITTEE

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

Chair: Richard Sévigny  
Maintained by Tom Grebe ([tgrebe@ieee.org](mailto:tgrebe@ieee.org))  
Revised: 2015-01-07

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#### HVDC & FACTS SUBCOMMITTEE

[www.ece.uidaho.edu/hvdcfacts/](http://www.ece.uidaho.edu/hvdcfacts/)

Chair: Andrew Isaacs  
Maintained by Brian Johnson ([b.k.johnson@ieee.org](mailto:b.k.johnson@ieee.org))  
Revised: 2014-03-04

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#### DISTRIBUTION SUBCOMMITTEE

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

Chair: Julio Romero Aguero  
Maintained by Dan Sabin ([d.sabin@ieee.org](mailto:d.sabin@ieee.org))  
Revised: 2015-07-24

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#### ESMOL SUBCOMMITTEE

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

Chair: Ed Hunt  
Maintained by ([e.surmanis@pdc-cables.com](mailto:e.surmanis@pdc-cables.com))  
Revised: 2015-07-17

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#### GENERAL SYSTEMS SUBCOMMITTEE

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

Chair: Juan Martinez (Albert Keri listed)  
Maintained by Brian Johnson ([b.k.johnson@ieee.org](mailto:b.k.johnson@ieee.org))  
Revised: 2014-03-04.

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#### INTEGRATION OF RENEWABLE ENERGY INTO THE TRANSMISSION AND DISTRIBUTION GRIDS SUBCOMMITTEE

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

Chair: Ernst Camm  
Maintained by Michael Starke ([mstarke@ieee.org](mailto:mstarke@ieee.org)) and Travis Smith ([windman@ieee.org](mailto:windman@ieee.org))  
Revised: 2010-01-14 but possibly up to date. Please update the dates and any incorrect information.

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#### POWER QUALITY SUBCOMMITTEE

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

Chair: Rich Bingham  
Maintained by Dan Sabin ([d.sabin@ieee.org](mailto:d.sabin@ieee.org))  
Revised: 2015-07-24



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## OVERHEAD LINES SUBCOMMITTEE

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

Chair: Richard Collins

Revised: 2015-01-07

Maintained by Michael Garrels

### FUTURE MEETINGS

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

Dates	Meeting	Location
<b>2016 January 10-14</b>	PES Joint Technical Committee Meeting	Memphis, Tennessee, USA
<b>2016 May 2-5</b>	T&D Conference & Expo	Dallas, Texas, USA
<b>2016 July 17-21</b>	PES General Meeting	Boston, Massachusetts, USA
<b>2016 Sept 11-15</b>	ESMOL	Columbus, Ohio, USA
<b>2016 October</b>	ICHQP	Belo Horizonte, Brazil
<b>2017 July 16-20</b>	PES General Meeting	Chicago, Illinois, USA
<b>2018 April 16-19</b>	T&D Conference & Expo	Denver, Colorado, USA

Adjourn