

# IEEE/PES TRANSFORMERS COMMITTEE

## Spring 2014 Meeting; Savannah, Georgia USA

### Agenda - General Session

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<b>Chair:</b> Don Platts	<b>Vice Chair:</b> Stephen Antosz	<b>Secretary:</b> Sue McNelly
<b>Treasurer:</b> Greg Anderson	<b>Awards Chair/Past Chair:</b> Bill Chiu	<b>Standards Coordinator:</b> Bill Bartley

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#### 10. ADMINISTRATIVE SUBCOMMITTEE – DON PLATTS

##### 10.1 INTRODUCTIONS

The attendees were asked to introduce themselves. The chair asked each attendee to state his/her affiliation. If the attendee is a consultant, the attendee must state if he is representing a company other than his own consulting interest. Introductions were made by members and guests.

##### Attendance

Members Present:

Chair .....	Donald Platts
Vice Chair .....	Stephen Antosz
Secretary .....	Susan McNelly
Treasurer .....	Gregory Anderson
Standards Coordinator .....	William Bartley
Awards/Past Chair .....	Bill Chiu
Bushings .....	Peter Zhao
Dielectric Tests .....	Michael Franchek
Distribution Transformers .....	Stephen Shull
Dry Type Transformers .....	Charles Johnson
HVDC Converter Transformers & Reactors .....	Michael Sharp
Instrument Transformers .....	Ross McTaggart
Insulating Fluids .....	David Wallach
Insulation Life .....	Bruce Forsyth
Performance Characteristics .....	Ed teNyenhuus
Power Transformers .....	Joe Watson
Underground Transformers & Network Protectors .....	Dan Mulkey
IEEE-SA Stakeholder Engagement Liaison .....	Jodi Haasz
IEEE Standards Technical Community Program Manager .....	Erin Speiwak
Guest .....	Tom Prevost
Guest .....	Erin Carpenter

##### 10.2 APPROVAL OF PREVIOUS MEETING MINUTES

The Chair asked for comments from the October 20, 2013, St. Louis, Missouri Administrative Subcommittee meeting minutes. Hearing no comments or requests to change the draft minutes, the Chair asked for a motion to approve. A motion to approve was made by Bill Bartley and seconded by Bruce Forsyth. Vote Approved unanimously.

### 10.3 APPROVAL OF AGENDA

The Chair reviewed the draft agenda with the attendees. No changes or additions were requested.

#### Agenda

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|-----|---|-----------------------|
| 1.  | Introduction of Members and Guests  | All                   |
| 2.  | Approval of Fall 2013 Minutes from St. Louis                                    | D. Platts             |
| 3.  | Additions to and/or Approval of the Agenda                                      | D. Platts             |
| 4.  | Chair's Report  | D. Platts             |
| 5.  | Vice Chair's Report   | S. Antosz             |
| 6.  | Secretary's Report & New Committee Membership Approval                          | S. McNelly            |
| 7.  | Treasurer's Report  | G. Anderson           |
| 8.  | Recognition & Awards Report   | B. Chiu               |
| 9.  | Standards Report  | B. Bartley            |
| 10. | IEEE Staff Update   | E. Spiewak/J. Haasz   |
| 11. | Meeting Planning  | G. Anderson           |
|     | a. Savannah Meeting Update  |                       |
|     | b. Future Meetings  |                       |
| 12. | Old Business  |                       |
|     | a. WG Data – Confidentiality, Storage, Access, & Use                            | S. McNelly/E. Spiewak |
|     | b. Committee P&P  | B. Bartley            |
|     | c. GMD/GIC Position Paper   | B. Chiu               |
|     | d. Meeting Improvement Initiative   | D. Platts/B. Bartley  |
| 13. | New Business  |                       |
|     | a. Unwritten Rules for meetings/timeslots (:05)                                 | D. Platts             |
| 14. | Subcommittee Reports – Roundtable (not intended to indicate order of reporting) |                       |
|     | Bushings  | P. Zhao               |
|     | Dielectric Test   | M. Franchek           |
|     | Distribution Transformers   | S. Shull              |
|     | Dry Type Transformers   | C. Johnson            |
|     | HVDC  | M. Sharp              |
|     | Instrument Transformers   | R. McTaggart          |
|     | Insulating Fluids   |                       |
|     | D. Wallach  |                       |
|     | Insulation Life   | B. Forsyth            |
|     | Performance Characteristics   | E. teNyenhuis         |
|     | Power Transformers  | J. Watson             |
|     | Underground Transformers & Network Protector                                    | C. Niemann            |
| 15. | Adjourn   |                       |

### 10.4 CHAIR'S REPORT – DONALD PLATTS

Refer to Main Minutes for a complete "Chair's Report."

#### *Highlights:*

Don gave a report of his attendance at the Tech Council meeting. The Tech Council is looking for a Webinar for what the Tech Council is doing and what the Committees do.

The Smart Grid Roadmap has been completed.

There were a couple of applications for Fellow that have gone through for members of the Transformers Committee. Don congratulated Bill Bartley.

#### **10.5 VICE CHAIR’S REPORT – STEPHEN ANTOSZ**

Refer to Main Minutes for a complete “Vice Chair’s Report.”

##### *Highlights:*

Steve reviewed the Calendar of Upcoming Events and the papers that have been submitted. Eight papers were accepted for the poster session at the April IEEE T&D Conference.

There will be a panel session on Transformer Monitoring & Design chaired by Gary Hoffman at the April IEEE T&D Conference..

#### **10.6 SECRETARY’S REPORT – SUSAN MCNELLY**

Refer to Main Minutes for a complete “Secretary’s Report.”

##### *Highlights:*

There were five new member requests since the fall 2013 meeting. New member requests were received from Aleksandr Levin, Michael Miller, Diego Robalino, William Solano, and Susmitha Tarlapally. A motion to approve the above (pending verification of PES membership status of Michael Miller) was made by Steve Antosz and seconded by Bill Bartley. There was no discussion. The motion was unanimously approved.

#### **10.7 TREASURER’S REPORT – GREGORY ANDERSON**

Refer to Main Minutes for a complete “Treasurer’s Report.”

##### *Highlights:*

Greg reported that the St. Louis meeting made approximately \$24,000. He indicated he would have a 12 month view of the check register available at the fall 2014 meeting

#### **10.8 RECOGNITION & AWARD’S REPORT – BILL CHIU**

Refer to Main Minutes for a complete “Recognition & Award’s Report.”

##### *Highlights:*

The Recognition & Awards Chair presented

Bill discussed the awards structure. He is proposing to add a recognition for members that make significant contribution and based on longevity of service.

A motion was made to do a recognition for significant contribution based on longevity of service. The details and term of service will be worked out by the next meeting. The motion was made by Bill Chiu and seconded by Bruce Forcyth.

## **10.9 STANDARD'S REPORT – WILLIAM BARTLEY**

Refer to Main Minutes for a complete “Standards’s Report.”

### *Highlights:*

The Standard Coordinator presented.

The Standards Report has been posted to the web site. Between October and March 1, there were three new revisions approved. There are two standards on the March REVCOM agenda.

A new format for the Committee PAR and Ballot Status was provided.

There are a number of new PARs that will expire at the end of the year.

A link to the Standards Dictionary has been posted on the Web and is available to all IEEE members.

## **10.10 IEEE STAFF UPDATE**

Jodi Haasz presented on Methods of Engaging with IEC.

### **Discussion of IEEE/IEC Collaboration and Cooperation**

#### Current Joint Projects:

- IEC/IEEE 60076-16 Ed.2: Power Transformers — Part 16: Transformers for Wind Turbine Applications – Draft under development
- IEC/IEEE 60076-57-1202 Ed.1: Liquid Immersed Phase Shifting Transformers – Draft under development.
- IEC/IEEE 65700-19-03 Ed. 1: Standard for Bushings for DC application – The document has completed the IEEE sponsor ballot recirculation comment. Next steps are for IEC to issue the Final Draft International Standard (FDIS) for vote; concurrently, IEEE will submit the document to RevCom for approval.

#### Potential Future Maintenance Project

- IEEE C57.15/IEC 60076-21 Ed. 1: Power Transformers — Part 21: Standard Requirements, Terminology, and Test Code for Step-Voltage Regulators – A PAR has been submitted for the revision of the standard. IEC TC 14 has issued a Document for Comment (DC) to solicit interest for this project. The DC closes on 9 May.

#### Potential Future Joint Projects

- Merger of IEEE C57.129-2007 (Standard for General Requirements and Test Code for Oil-Immersed HVDC Converter Transformers) and IEC 61378-2 (Converter transformers - Part 2: Transformers for HVDC applications) – This will be discussed at the subcommittee meeting this week.

- IEC TC 14 may be interested in merging IEC 60076-7 - Loading guide for oil immersed power transformers– Interest in merging with IEEE C57.91 – IEEE Guide for Loading Mineral-Oil-Immersed Transformers and Step-Voltage Regulators. It was stated that this would not be a good joint project with IEC.

#### Potential Adoptions of IEEE Standards by IEC

- IEEE C57.142-2010, IEEE Guide to Describe the Occurrence and Mitigation of Switching Transients Induced by Transformer, Switching Device, and System Interaction
- IEEE C57.143-2012, Guide for Application for Monitoring Equipment to Liquid-Immersed Transformers and Components.

#### Harmonization

- IEC TC 14 is interested in harmonizing IEC 60076-4 - Power transformers - Part 4: Guide to the lightning impulse and switching impulse testing - Power transformers and reactors with IEEE C57.98-2012, IEEE Guide for Transformer Impulse Testss
- IEC TC 14 is interest in adding the tutorial information from Annex E of IEEE C57.131-2012 (IEEE Standard Requirements for Tap Changers) into the revision of IEC 60214-2, Tap changers - Part 2: Application guide)

#### IEEE Adoption of an IEC Standard

- A suggestion has been made for IEEE to adopt IEC 60214-1 (Tap Changers – Part 1: Performance requirements and test methods) once it is published by IEC. This adoption will replace IEEE C57.131-2012.IEEE Standard Requirements for Load Tap Changers. A task force under the Powers Transformers Committee will be meeting this week to further discuss.

TC10 expressed interest in jointly developing with C57.147. There is presently a TF to review combining of the various oil guides. If the guides are merged, then this will create problems with a joint development.

Don Platts indicated that there is no responsibility or obligation to harmonize documents. They are opportunities that may be considered.

Don indicated that a meeting with the IEEE Transformers Committee officers was held, discussing how these joint or adopted documents should be handled. The decision made was that the requestor will first go to the SC for a vote on how to proceed. At that point it will be brought back to the Admin SC for review and analysis to determine whether the Admin SC agrees with the approach presented by the SC.

Joe Watson brought up that there is a different meeting philosophy between IEC and IEEE. IEC has full day meetings and typically finish up a standard in a year or year and a half, whereas IEEE allots a 1.5 hour time slot twice a year. He indicated that it may be necessary better align these to be able to do joint documents.

## **10.11 MEETING PLANNING REPORT – GREGORY ANDERSON**

No written report provided.

### **Highlights:**

The Meeting host is Efacec. Erin Carpenter attended for Efacec. Greg reported that this is one of the largest meetings, with St. Louis still being the largest meeting to date. There are 498 registered meeting attendees. He expects there to be some no shows. There were 116 registered spouses.

Greg indicated he has a record attendance for the Monday lunch meeting. The lunch is offered free to all attendees at this meeting.

Greg discussed the status of the upcoming fall 2014 meeting in Washington DC, Metro Area.

The fall 2015 will more than likely be in Memphis, Tennessee.

Dave Wallach suggested rotating the time slot that the SCs are scheduled for on Wednesday so that the same SCs are not always the last meeting of the day. Greg indicated that he will look into this possibility.

## **10.12 OLD BUSINESS**

### **10.12.1 WG Data – Confidentiality, Storage, Access, & Use – Erin Speiwak and Tom Prevost**

Erin Speiwak reported on the status. She indicated the way she envisions it would be there will be two Central Desktop sites. One site would be created for the storage of the data and one which portions of the data can be accessed by people who have been approved to access and use it. There would be separate password and access restrictions for both sites.

There will be two forms, one for those contributing the data and one for those accessing the data.

Tom expressed a concern that the comments that have been received are coming from an entity, not an individual. The concern is that it is not fair as other entities may not have had the opportunity to comment.

Don Platts indicated that perhaps this should be addressed as the first time that this is implemented, you may end up getting similar comments from the other data suppliers.

The data that would be saved would already have been scrubbed of the test lab information, the SN, manufacturer, and customer information. However, access to the data, even the scrubbed version, could someone a definite advantage in the industry.

Sue McNelly made a motion that Adcom proceed with accepting the forms as presented by IEEE without incorporating the comments received by Claude Beauchemin. Steve Antosz seconded. Tom Prevost recommended that at least a round of review and comment be done to determine if any of the comments have merit and should be included. The motion was withdrawn.

Steve Antosz made a motion to take the two confidentiality documents and circulate them to the Admin SC for review and comment. Tom Prevost seconded.

Since Sue McNelly is no longer the Chair of the IFSC, there was a comment that this may now belong in Dave Wallach's court to compile comments and possible revision. Dave asked whether this could proceed as is and take the lessons learned from it to further improve the forms.

The motion was voted on and was unanimous. The documents will be sent to Sue McNelly for routing to the Admin SC to review and comment. A deadline to review and comment by will be included. The documents will be focused on C57.104 for now as they have the immediate need.

### **10.12.2 Committee P&P**

This went to Audcom last fall. It is expected to be approved and would then go to the Standards Board for final approval. The WG P&P will be voted on at the Monday General Meeting.

Steve Shull indicated that the way the WG P&P not is written, it requires a secretary. The Distribution SC WGs typically have a Chair and Vice Chair, but not a Secretary. The Vice Chair acts as a Secretary. It was discussed and the document indicates there should, not shall be a Vice Chair and/or Secretary, so there doesn't appear to be an issue.

### **10.12.3 GMD/GIC Position Paper**

The paper is presently stuck in comment resolution. The group is attempting to resolve the issues. Bill Chiu indicated that he believes that they can now get this moving.

Don indicated that items discussed in SC, WG, and TF meetings need to be documented.

## **10.13 NEW BUSINESS**

### **10.13.1 Meeting Improvement Initiative**

No Progress.

### **10.13.2 Meeting Minutes Discussion**

Don asked the SC Chairs to take a look at the WG workloads and make sure that we stay on track for updating documents.

He also asked that the SCs make sure that all issues raised in the SC, WG, and TF minutes are recorded in the minutes. In the future, the SC minutes will be placed in an Annex and will not be approved at the General Session.

A comment that perhaps a suggested format can be provided.

### **10.13.3 Unwritten Rules for meetings/timeslots**

The O&P document should take care of a number of these issues once it is completed.

## **10.14 SUBCOMMITTEE REPORTS**

<b>Subcommittee</b>	<b>Report/Hot Topic</b>
Bushings – P. Zhao	No Report
Dielectric Test – M. Franchek	No Report
Distribution Transformers – S. Shull	No Report
Dry Type Transformers – C. Johnson	No Report
HVDC – M. Sharp	No Report
Instrument Transformers – R. McTaggart	No Report
Insulating Fluids – D. Wallach	No Report
Insulation Life – B. Forsyth	No Report
Performance Characteristics – E. teNyenhuis	C57.12.00: Steve Snyder is stepping down Tauhid Ansari will take on this roll C57.120: Al Traut is stepping down, no replacement has been selected.
Power Transformers – J. Watson	No Report

<b>Subcommittee</b>	<b>Report/Hot Topic</b>
Underground Transformers & Network Protector – D. Mulkey	No Report
Standards SC – Bill Bartley	No Report

#### **10.15 ADJOURNMENT**

Bill moved to adjourn the meeting and it was seconded by Chuck Johnson. The motion was unanimously approved. The meeting adjourned at 5:55PM.