

VICE CHAIR'S REPORT – FALL '04 – LAS VEGAS, NV

4.0 Vice Chair's Report – D. J. Fallon

4.1 PES Technical Council Committees

The following items report on activities of Power Engineering Society (PES) Committees on which the Vice Chair serves as Committee representative. These meetings were held at the 2004 PES General Meeting in Denver, CO, on June 6-10. Committee Vice Chair Don Fallon was unable to attend. Ken Hanus, Tom Prevost, and Jin Sim represented the Committee at these meetings.

4.1.1 Technical Sessions Committee

Plans for the 2004 Power Systems Conference & Exposition (PSCE), October 10-13, 2004, in New York City, were reviewed. Since this review, PSCE has now taken place. The initial plenary session was on the subject "Balancing the Needs of Competitive Markets with Confidentiality and System Security" and covered the lessons learned in the year following the August 14, 2003 North American blackout. Technical sessions, panel sessions, and tutorials focusing on the following tracks:

- Track 1: Planning and Operation
- Track 2: Markets, Policies, and Economics
- Track 3: Dynamic Performance of Power Systems
- Track 4: Real-Time Applications
- Educational Track: Understanding Power Systems

A review was made of plans for the 2005 PES General Meeting in San Francisco, CA, scheduled for June 12-16. The Theme and Tracks for this meeting are included in the Chair's Report.

Planning for the CIGRE/IEEE 2005 Joint Meeting in New Orleans, LA, on October 5-7 was also reviewed. The Scope and Main Topics for this meeting are also included in the Chair's Report.

Additional items of interest on the Technical Sessions Committee Agenda included a discussion on the definition of commercialism in Technical Sessions, and a review of the new "less formal" Panel Presentation Format. As the Committee Vice Chair was unable to attend this meeting, this Report will be updated when Minutes from the Technical Sessions Committee Meeting are available.

4.1.2 Organization and Procedures Committee

Modifications and updates have been made in many areas of the Technical Council O&P Manual for clarification of procedures and to bring it more in line with current practice.

VICE CHAIR'S REPORT – FALL '04 – LAS VEGAS, NV

The revised manual was distributed to the O&P Committee prior to the meeting. The updates included changes in the following areas:

- References to ballots now indicate the electronic balloting process
- Reflection of the change from two PES General Meetings per year to the present schedule of one
- Definition of quorum for electronic review of Technical Council issues
- Updates to include IEEE-SA open ballot process and indication that IEEE Standards meetings are open to all, regardless of membership status

The revised Technical Council O&P Manual was approved at this meeting with minor changes. It will be available shortly on the IEEE/PES Technical Activities web page. Individual Technical Committee O&P Manuals are to be generally formatted similarly to the Technical Council O&P Manual.

4.2 Technical Paper Sessions

4.2.1 Technical Paper Sessions at the 2004 PES General Meeting

The Transformers Committee sponsored two technical sessions on June 9 at the IEEE/PES 2004 General Meeting in Denver. The sessions were scheduled as follows:

Transformers I - Loss Performance and Thermal Evaluation

(Aligned to Track 1 - Active Load Participation and Its Impact on Markets {subtrack Energy Efficient T&D Systems})

- “The Measurement and Evaluation of Distribution Transformer Losses Under Non-Linear Loading” by Damnjanovic and Ferguson
- “Improved Insert Geometry for Reducing Tank Wall Losses in Pad-Mounted Transformers” by Olivares, Escarela-Perez, Kulkarni, de Leon, Melgoza and Hernandez
- “Dynamic Thermal Modeling of Power Transformers” by Susa, Lehtonen and Nordman
- “Power Transformer Temperature Evaluation for Overloading Conditions” by Jardini, Brittes, Magrini, Bini and Yasuoka

Transformers II - Modeling, System Interaction, and Diagnostics

(Aligned to Track 2 - Environmental Dimensions {subtrack Innovative generation and transmission controls and analysis techniques for improved power system dynamic performance and efficiency})

- “Frequency Dependent Modeling of Power Transformers with Ungrounded Windings” by Gustavsen
- “Wide Band Modeling of Power Transformers” by Gustavsen
- “Development of a DC Current-Blocking Device for Transformer Neutrals” by Bolduc, Granger, Pare, Saintonge and Brophy
- “An Attempt to Correlate Time and Frequency Domain Polarisation Measurements for the Insulation Diagnosis of Power Transformers” by Saha, Purkait and Muller

VICE CHAIR'S REPORT – FALL '04 – LAS VEGAS, NV

The Vice Chair appreciates Chair Ken Hanus' stepping in to chair these sessions.

4.2.2 Technical Papers at the 2004 PSCE

The Transformers Committee reviewed and approved two technical papers for the Power Systems Conference & Exposition in New York City. The papers were presented at a Poster Session on October 12 the PSCE meeting:

- "Experimental Investigation of Internal Short Circuit Faults Leading to Advanced Incipient Behavior and Failure of a Distribution Transformer" by Mirrasoul Mousavi, Karen Butler-Purry, Texas A&M University; Mustafa Bagriyanik, Istanbul Technical University; Peter Palmer-Buckle, Black & Veatch
- "Transformer Tap Changing by Data Classification Using Artificial Neural Network" by M. Fakhrul Islam, Joarder Kamruzzaman, Guojun Lu, Monash University

4.2.3 Technical Paper Session(s) at the 2005 General Meeting

Planning is underway for the technical program for the 2005 General Meeting in San Francisco (June 12-16, 2005). See the Chair's Report for the Theme and Tracks. The PES web site (<http://www.ieee.org/portal/site/pes/>) provides access to the "Call for Papers". Authors are encouraged to submit papers by December 1, 2004.

4.2.4 Call for Technical Papers - 2005 IEEE/PES T&D Conference & Exposition

This T&D Conference & Exposition will take place in October 2005 in New Orleans, LA. The theme is "Go With the Flow and Join the Parade of Technology". Papers that address any topic pertinent to transmission and distribution will be considered. Information on the Call for Papers can be found at <http://www.ieeet-d.org/call.html>

4.3 Committee Organization and Procedures Manual

The Transformers Committee O&P Manual revision is currently in process.

4.4 Power & Energy Magazine Submission

The Transformers Committee is overdue in the schedule to contribute an article to Power & Energy magazine. The format and content is at the discretion of the Committee. The Vice Chair will be looking for volunteer authors and coordinating a submittal to the P&E magazine prior to our next meeting.

Respectfully submitted, D. J. Fallon, Vice Chair