

***IEEE/PES TRANSFORMERS COMMITTEE
MEETING***

VICE CHAIR'S REPORT

April 12, 2001

Amsterdam, The Netherlands

5.0 Vice Chair's Report – H. J. Sim

The vice chair covered the main points of his report shown in full length below.

5.1 PES Technical Council Committees

The following are reports on activities of PES Committees on which the Vice Chair serves as Committee representative. All of the meetings reported were held at the 2001 Winter Meeting in Columbus, OH on January 28 – February 1, 2001.

5.1.1 Technical sessions

Here are the high points of the discussions held and the report presented at the meeting:

Power Engineering Review will continue to publish Technical Committee promotional articles. The emphasis should be on present and future activities. The length of the article is at the discretion of the author. It may include: technical information, announcement of new working groups and task forces, membership information, and recruitment's for new members. Each committee will submit their material by their due date as scheduled.

Professor J. Jardini, General Chair, Transmission and Distribution Conference – Latin America 2002 gave a short presentation on the upcoming meeting to be held in Sao Paulo, Brazil, March 18-22, 2002. He said that costs to attend this conference were comparable to those conferences held in the United States – ex. Airfare \$1000, Hotel \$100. He included in his presentation a description of the technical program and exhibitions that are planned. Professor Jardini ended his presentation with a request for corporate support of the meeting.

Web site: www.ieee.org.br/t-d2002lamerica

John Paserba, TPC – Winter Meeting presented the proposed theme and tracks for WM2002 as below.

THEME: Embracing the Power of Change

TRACKS;

TRACK 1: POLICY AND MARKETS, covering such topics as:

- The latest on RTOs and ITCs
- “The State of the Union” of ISOs
- One Year Later: Lessons Learned From the California Experience
- Re-Evaluation of the Restructuring Process
- Electric Power Market Design and Participant's Strategy In Terms of Market Segments (Energy Market, Ancillary Service Market and Transmission Markets) and Market Timelines (Spot Market, Forward Market and Bilateral Market)
- Pricing Strategies, including Bundled Services

- System Operation Under Reduced Generation Availability
- The Technical Ramifications Reverse Auctions
- Policies and Requirements for Wide Area Stability Control

TRACK 2: EMERGING TECHNOLOGIES, covering such topics as:

- Power Electronics Including Flexible AC Transmission (FACTS)
- Alternative Energy Sources
- Superconductivity
- Dispersed Generation
- Surge Protection with Distributed Generation

TRACK 3: ROLE OF INFORMATION TECHNOLOGY AND OTHER RESOURCES IN THE FUTURE, covering such topics as

- Communications
- Mobile Computing
- Software Tools to Reduce Complexities of Applications, Testing, and Analysis
- Transaction Management and Risk Management Software
- Wide Area Stability Control Integration and Applications
- Enterprise Integration
- Teaching and Mentoring for Young Engineers and Technicians

TRACK 4: RELIABILITY AND STANDARDS, covering such topics as:

- IEC Standard Efforts to Standardize Software Interfaces and Communications Protocols
- Power Quality Standards and Measurements
- Standards/Needs for Wide Area Stability Control
- Reliability of Cable Systems
- Reliability of Transmission Lines
- Reliability of Power System Special Protection Schemes
- Whole House Protection From Low Voltage Protectors
- Migration Concepts to Move Toward Non-Standard Instrument Transformers

Mel Olken, Susan Sacks, and Marie D'Alessio (All from PES Staff) presented some information on PES Technical paper, publications, and meetings. Highlights of this presentation are:

Transactions Papers

- Flightdeck software keeps track of all process and provide status of any paper.
 - In 2000, a total of 823 papers sent for reviews and only 102 decisions have been made.
 - Upgraded on-line services. (*Manuscript Central*)
 - New reviewer recruitment. (200+ as of January 2001) Sign up if you wish to volunteer for this important process.
- #### Proceedings Papers
- 2001 is the third year since PES started using this classification of papers.
 - The format for 2001 Summer meeting and T&D Conference will change to electronic.

Author's Kit

- Updated regularly. Visit the PES website and get the latest kit.

A short "brain storming" session was held to identify additional ways to improve technical programs. The following ideas were presented:

- Ali Keyhani described a method of creating a personal conference proceedings prior to attending the meeting. This service is offered for the International Conference On Systems Sciences by IEEE Computer Society.
- Several comments were received on the lack of desire for poster sessions.
- Requests were made to notify TCPC's of newly accepted transactions papers so that these papers could be considered for future technical programs.
- A proposal to revise the meeting structure to include one "all-in-one" poster session in the evening that did not conflict with any other event. A meal could be served that would encourage attendance. This suggestion receive a large number of positive comments.
- A technology fair, similar to something that EPRI conducts at their meetings, was suggested.
- Presentations similar to those presented at CIGRE meetings was also suggested.

5.1.2 Organization and Procedures Committee

5.1.2.1 Technical Committee Activity Reports

No major discussion during the individual TC report.

5.1.2.2 Revision of the Technical Council Organization and Procedures Manual

Our committee O&P Manual has been updated and distributed based on the current revision of

the TC O&P Manual in November 2000.

5.1.2.3 Two new Committees

We reviewed proposals to form two new committees with the following scopes and approved both of them.

Scope for Emerging Technologies Committee

Treatment of all matters in which the dominant factor is the research, development and application of emerging technologies for the Power Industry. In this context, conduct various symposia related to such matters. Initiate Standards, Guides or Recommended Practices as appropriate. Be attentive as to inclusion of additional technologies into the scope. Act as a focusing entity to assure complete coverage of all subjects within PES purview. Act as coordinating and consolidating body with other PES Committees, IEEE Societies or recognized International Bodies as they may have a particular interest in the matters. Actively seek a permanent organizational home for an area selected for development by the Committee once complete coverage is assured and coordination links to other areas defined.

By its very nature the scope must be flexible as to topics. Included at the present is treatment of the following:

- ❖ Power Electronics including Flexible AC Transmission (FACTS)
- ❖ Alternative Energy Sources (Wind, photovoltaic, etc.)
- ❖ Power system Applications Utilizing Superconductivity
- ❖ Dispersed Generation
- ❖ Power Quality Measurements and Standards

Scope for Energy Policy and Markets Committee

Treatment of all matters in which the dominant factor is the commercial aspects of the Electric Power Industry. Conduct symposia as appropriate related to such matters. Act as the PES coordinating body with regulatory agencies, reliability organizations, generating companies, regional transmission organizations, independent systems operators, trade associations, other professional societies, and IEEE USA as they may have a particular interest in these matters. Maintain a high level of cognizance of emerging developments so as to be able to speak knowledgeably and authoritatively when required.

- ❖ Utility Deregulation/Restructuring
- ❖ Siting of Electrical Infrastructure

- ❖ Mergers and Acquisitions
- ❖ Energy Policy
- ❖ Energy Efficiency
- ❖ Tariff Issues
- ❖ Retail Access
- ❖ Bundled Services
- ❖ Productivity
- ❖ System Reliability
- ❖ Information Technologies
- ❖ Electromagnetic Fields

5.2 Technical Paper Reviews

5.2.1 Technical Paper Review Summary

Our committee's editor Mark Christini reported the activity of his first three months on the job. We received 13 transaction papers and review for 12 of them are under way and 1 is complete.

5.2.2 Technical Paper Session at 2001 Summer Meeting

Two transformer sessions are planned for the Vancouver, BC meeting, July 15 – 19, 2001. There are ten proceedings papers.

5.2.3 Technical Paper Session at PES T&D Conference

We will have two paper sessions for about 10 proceedings papers and one panel session on "Coating radiators for corrosion resistance: Galvanized v.s. Painted" during the IEEE/PES T&D Conference in Atlanta, GA, October 28 – November 2, 2001.

Respectfully submitted,

H.J.Sim, Vice Chair