

Minutes of the PSACE Technical Committee Meeting

IEEE PES General Meeting, Tampa

June 27, 2007

The meeting was attended by Roger Dugan, Kevin Tomsovic, Dagmar Niebur, Sando Carneiro, Ross Baldick, Alex Schneider, Daniel Kirschen, Chen-Ching Liu, Chanan Singh, Chan-Nan Lu, Stephen McArthur, Joseph Mutale, Ron Chu, Hong Chen, Murty Bhavaraju, Mark O'Malley, Tom McDermott.

The meeting was chaired by Roger Dugan.
Minutes taken by Sando Carneiro.

- Introductions.

The Minutes from the 2006 Meeting in Montreal were approved

Chairs Report, Roger Dugan

- **Next meetings**

- 2008 T&D in Chicago, Roger is the TCPC
Deadline: September 14 for papers and panels)
- 2008 GM in Pittsburgh, July 20- 24. TCPC for this meeting is Ross
Deadline: November 30 for papers and panels
- 2009 GM in Calgary, TCPC to be nominated
- 2009 PSCE in Seattle, TCPC Mark O'Malley

- **Announcements.**

- Two new committee members: Tom McDermott and Germano Lambert Torres
- New Fellows: Kevin Tomsovic, Mark O'Malley, Daniel Kirschen and Ross Baldick
- Andy Ford to represent Standards

- **Summary of PSACE activities at this Meeting**

- About 25 sessions in this meeting
- 244 papers submitted, 169 accepted, out of 872 of the Conference
- 80 Conference, 77 Panel and 12 Transactions Papers
- 127 reviewers

- **Awards**

WG-Technical Report Award: awarded to the Tutorial on Electric Delivery System Reliability Evaluation, edited by Joydeep Mitra

Distinguished Service Award to Sando Carneiro

- **TCAB and Technical Council:**

- Dagmar Niebur reported on the Agenda and topics discussed at TCAB Meeting which was held on Sunday, June 18;
- Technical Council would like to see better marketing from the Technical Committees
- .Remarks were made about the number of Fellows coming from Academia and Industry

Sub-Committee Reports

(For further details refer to individual SC Reports on Webpages)

- **RRPA, Alex Schneider**

TF on Reliability of Distribution Systems – Lina Bertling, chair – ongoing. Principal activity is developing a test system for benchmarking distribution system analysis methods, analogous to the RTS for transmission systems.

TF on Planning Power Systems Operating Under Competitive Electricity Market Conditions. Generation aspects have been completed and a report is being prepared under leadership of Murty Bhavaraju.

IEEE Standards Activities

IEEE Std. 762-2006, IEEE Standard Definitions for Use in Reporting Electric Generating Unit Reliability, Availability, and Productivity, has been approved and published.

IEEE Std. 859, IEEE Standard Terms for Reporting and Analyzing Outage Occurrences and Outage States of Electrical Transmission Facilities, was approved by RRPA for reaffirmation last year. I am not sure of the next step for IEEE-SA approval.

Planned Activities

The RRPA needs to establish coordination with the Wind Power TF, chaired by Mark O'Malley. Murty Bhavaraju will report further on this at the luncheon meeting tomorrow.

A new TF is requested, titled "Developments in Definitions and Terminology Associated with Collection of Outage Data". This will build on IEEE Std. 859 and will seek to coordinate with NERC, CEA, EPRI, WECC and comparable bodies outside of North America. Fourteen individuals volunteered to participate.

- **DSASC, Tom McDermott**

Re-organized Task Forces and WGs. A new WG on Recommended Practices for Distribution System Analysis is being proposed. The main goal will be to develop a new IEEE Standard in five years.

Proposed Panel sessions on Stray Voltages Analysis Techniques, chaired by Roger (T&D2008) and Tom McDermott (GM2008)
Another Panel proposed for GM08 on Smart grids analysis

- **ISA, Dagmar Niebur**

3 active Working Groups

The WG chaired by Steve McArthur produced a Transactions Paper

Over 60 people have registered for the TF

Joint panel sessions were held, more practical approaches

The WG on Data Mining is preparing a Tutorial for September, 2008 and one Panel Session

WG on Intelligent Control Systems is Aiming to publish a book

Panel on DS Control

In summary: 5 Panels under consideration

- **SE, Ross Baldick**

“Test Systems for Economic Analysis” Work Group: met on Monday, June 25 from 6.00PM-7.00PM. It was attended by about 10 people and chaired by Christian Schaffner and Xiao-Ping Zhang.

The chair of a new Task Force (TF) on “Sustainable Energy Systems for Developing Communities” –Joseph Mutale of University of Manchester was introduced by Ross. The TF was scheduled to meet for the first time (inaugural meeting) from 4.00PM-5.00PM.

The “WG to Develop a Wiki of Economic Terms” (aka, Power Systems Economics Wikipedia) chaired by Ivana Kockar was scheduled to meet later during the evening on Wednesday, June 20, 2007

Four well-attended Panels were organized at this Meeting and no less than 12 other Panels are being proposed for PES Meetings in 2008. A discussion was held on the maximum number of Panels that can be held at a meeting. Ross informed that a maximum of 4 is normally expected.

- **CAMS, Daniel Kirschen**

The TF on Cascading Outages Analysis Restoration and Mitigation will be chaired by Daniel and will be inaugurated at the upcoming 2008 IEEE GM in Pittsburgh.

Other TFs are being considered, including a new TF on Power Systems Modeling that will address modeling and usage of network models in multi-vendor environments.

Panels: joint with Steve McArthur on Smart Grids

- **WPPC, Mark O’Malley**

One very successful panel - co sponsored with WPCC & PSACE - on Wind Integration Studies - Tuesday PM - 100 attendees.

WPCC are progressing with six working groups.

1. Capacity Value of Wind Generators (PSO and PSACE)
2. Power System Operations with Variable Wind Resources - Unit Commitment, Load Following, and Regulation (PSO)
3. Market Design with Consideration for Intermittent Wind Resources (PSO)
4. Standardized Wind Generation Models for System Planning Studies (PSDP)
5. Collector System Design Considerations for Wind Farms (T&D and EDPG)
6. Transmission Investment Alternatives To Serve Remote Wind Sites (PSPI)

- **Old Business, Roger Dugan:**

Items being considered by Technical Council

Conference Papers, formats

Dagmar will represent PSACE in the Ad-hoc Committee, chaired by Paula Traynor

Some 15 Panel sessions are being proposed for GM08

PSACE had some 25 total sessions this meeting

Technical Council wants to trim the total number of papers

1 no show for panel/

36 no-shows at Poster Sessions

Action items:

Update websites

Submit panels early

Send SC minutes to Sando

Meeting adjourned