

**DISTRIBUTION SUBCOMMITTEE
IEEE PES WINTER POWER MEETING
LAS VEGAS, NEVADA – FEBRUARY 23, 2000
MINUTES**

Chairman Dan Sabin called the meeting to order at 11:00 a.m. and self-introductions were made.

The minutes of the SPM in Edmonton, BC were approved.

CHAIRMAN'S REPORT - Dan Ward

Dan is concerned that we need to get new, younger engineers involved in IEEE PES Distribution Subcommittee. Joe Koepfinger and John Redmond are retiring but will return as consultants. Dan commented that Power Point presentations are very effective as compared to overheads, reading of notes, etc. Dan may bet someone to discuss IEEE procedures at SPM. The PAR form is on the IEEE web site. There is also a standards template for Word with the fonts selected.

Dick Peco is handling paper reviews for T&D. There were 368 abstracts for the SPM. Cheri Warren says the quality of the papers has deteriorated. Paper session papers are to be reviewed by the Panel Chair of the WG for Commercialism and turn in for publication by deadline. Dan asked that all future requests for panel sessions include the desired presentation date and a.m. vs. p.m. time slot. Charlie Williams requested a panel session on Distribution Maintenance for the SPM. Mike Sheehan requested a panel session on Voltage Sags at the SPM.

VICE-CHAIRMAN'S REPORT - Cheri Warren

Cheri needs paper session chairpersons for the SPM.

Dan skipped the WG reports since everyone attended all of the meetings. Cheri reported that she would send her minutes out by e-mail.

LIAISON REPORTS – None

OPEN DISCUSSION – Dennis Hanson with Pacific Corp./Scottish Power is putting in OMS. Performance measurement is very important. The emphasis is on feeder reliability improvement. They are installing monitors and SCADA. A least cost plan has been developed to meet objectives. Scottish Power is program oriented and does not bog down analyzing situations.

Tom Kulas stated that there is an initiative in his area to not ground neutrals and arresters. Politicians are getting into engineering design. Jim Burke stated that there is not a chance of going non-grounded in the USA. A lively discussion followed.

Betty Tobin mentioned that distributed generation interconnections and reclosing would be discussed in her WG.

Jim Burke has written tow papers on European design and will make them available.

Dave Gilmer has concerns with Elastimold. He stated that Colorado is into raptor designs. He stated that a neighboring utility was fined \$100,000 after an eagle was killed on a line and the linemen then buried the eagle. There are now grouse issues. One group is trying to have grouse

declared an endangered species. There is a need to prevent raptors from perching near grouse breeding areas. How do you prevent big birds from eating little birds?

Dick Hensel reported on the NESC. He warned that high wind changes are coming. There are issues with the three seconds gust maps and the 60' exclusion. There is pressure being applied to make distribution design to the same criteria as transmission.

The UG section of the NESC is headed toward a 12" separation between gas and electric.

The meeting adjourned at 11:59 a.m.

Working Group on Voltage Quality
Jim Burke – Chair
February 22, 2000 – Las Vegas, Nevada

All three Task Forces met at our meeting in Las Vegas. The following are the highlights of these meetings:

Task force on Voltage Flicker

Larry Conrad – Chair

Larry distributed copies of Draft #2. “Recommended Practice for Measurement and Limits of Voltage Flicker on AC Power Systems.” The group is recommending the following with this document:

- Adopt IEC6100-4-15 which addresses “how to measure” flicker.
- Add some additional material to this document.

Discussion of how this document might be interpreted took place with emphasis on applicability for devices other than 60-watt light bulbs.

Task Force on Custom Power

Dan Sabin – Chair

Draft #3 of the “Application Guide for Custom Power Devices” was distributed. Discussion took place primarily in the area of whether or not to include a section on case studies and how it should be formatted. Dan is hoping to complete the document in six months.

Task Force on Voltage Sag Indices

Mike Sheehan – Chair

The PAR for this group has been approved. Dave Gilmer reported that IAS thinks that this group should simply comment on the gold book. Discussion in this area was shelved.

Presentations on methodologies used to measure sags were made by Dennis Hansen, Roger Bergeron, and Dan Sabin. Dennis discussed measurements made with sag meters and thought on how to measure sags at various accuracy levels. Dan discussed various ways used worldwide to present sag indices. Roger discussed and clarified international practices in this area. Use of the Detroit Edison “sag score” method was also discussed.

P1250 – It was decided to reaffirm this document as is since timing is important. A revision of this document is presently taking place to include various changes in the industry since it was first published.