



Promoting Community Worldwide

From: Dennis Hansen
To: Voltage Quality Working Group of the PES T&D Power Quality Subcommittee
Date: June 8, 2006
Subject: Working Group Meeting Agenda for June 20, 2006

The Voltage Quality Workgroup will meet at the PES General Meeting in Montreal, QC., Tuesday, June 20, 2006 – 3:00-5:00 p.m. ET., in room 516b at Palais des congrès. You are invited to attend.

Agenda

- A. Welcome and Introductions—Dennis (5 min.)
- B. Review and Approval of Minutes—Fred (5 min.)
- C. Brief Tour of Voltage Quality WG Website—Fred (5 min.)
- D. T&D Conference & Expo Report—Dennis (2 min.)
- E. Discussion about questionnaire to gather info as an annex to 1250—Dennis leads (10 min)
 - Looking for volunteers to finish questionnaire, emailing, conclusions, etc.
- F. Review of 1250 PAR and Draft Document—Russ (1 hour)
 - Each Clause Chair to report
 - Russ to coordinate
- G. Upcoming Events & New Business
 - Next Webcall date & time—Dennis (2 min.)
 - Action Item review—Fred (5 min.)
- H. Roundtable on Voltage Quality Issues/Events—Dennis (25 min.)
- I. Adjourn

*Chair – Dennis Hansen (dennis.hansen@pacificorp.com) Vice Chair – Russ Ehrlich (russ.ehrlich@pepcoholdings.com)
Secretary – Fred Hensley (fred.hensley@ieee.org)*

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IEEE PES Voltage Quality (1250) Workgroup

2006 Confidential* Questionnaire on Utility Voltage Quality Practices

Utility Name _____ Country _____

1. What continuous (steady-state) voltage standard does your utility adhere to for distribution customers?
 - a. ANSI C84.1
 - b. Custom standard generated by utility
 - c. Custom standard generated by regulators
 - d. IEC _____ standard
 - e. Other, please explain.

2. If your continuous voltage distribution standard is not ANSI C84.1 or IEC _____, what are the limits?

3. How do you define continuous or steady-state voltage in the standard you use? Please quote language if other than ANSI C84.1 or IEC _____.

4. What continuous voltage standard does your utility use for customers taking delivery of power at transmission or sub-transmission voltages above 34.5 kV? Please describe.

* Note: Responses to this questionnaire will be held confidential by persons authorized by the leadership of the IEEE PES Voltage Quality Workgroup. The responses gathered in this survey will be used in general statistical diagrams and to make information generally available in the IEEE 1250 Guide. No link between individual utilities and their responses will be published, either in technical papers or in standards documents. Regional conclusions will not be published unless at least ten questionnaires are obtained from the referenced region of the world or country. 2

5. What are your transmission planning standards, in percent, for voltage regulation on looped lines? On radial lines?

6. What standard do you use for voltage unbalance for voltage-regulated service to customers?
 - a. ANSI C84.1
 - b. IEC _____
 - c. Custom standard, please explain.
 - d. Other, please explain.

7. What is your transmission planning standard, in percent, for voltage unbalance? If different by kV class, please explain.

8. Please indicate with a *check mark* the type of additional power quality standard your utility adheres to. Also please include the number of the standard. If you use a custom standard please describe in more detail below, or attach a copy of the standard.
 - a. Voltage fluctuation and light flicker____. We use the following standard:_____.
 - b. Harmonic distortion____. We use the following standard:_____.
 - c. Voltage sags____. We use the following standard:_____.
 - d. Other, please explain.

Please make or attach supplemental comments or explanations below