

IEEE P1409 Custom Power Task Force (15.06.05.01)

Meeting Minutes

IEEE PES 2000 Summer Meeting
Columbus, Ohio
Tuesday, January 30, 2001

The Custom Power Task Force met during the IEEE PES Winter 2001 Meeting in Columbus, Ohio. Dan Sabin chaired the meeting.

The IEEE Standards System houses the web page for the task force. It is located at <http://grouper.ieee.org/groups/1409/>. Currently the following information is available at the site:

- General information about P1409
- Archive of drafts of the P1409 Guide in Adobe Acrobat PDF format
- Announcements of meetings
- Latest version of the custom power technology development list
- Minutes and agendas from prior meetings in PDF format
- Presentation material from recent panel sessions

Introductions

Sabin called the meeting to order. The agenda was reviewed, and attendees introduced themselves, identifying their names and company affiliations. A total of 21 people signed the attendance list, a summary of which is attached. The current membership database includes 50 members and 182 registered guests.

Minutes from Seattle

The last meeting of the task force was at the 2000 IEEE PES Summer Meeting in Seattle, Washington. Middlekauff presented and reviewed the minutes at the Columbus meeting. At the Seattle meeting, the application guide was passed out and each chapter reviewed in detail. Spokespersons for each group summarized their recommendations on each chapter at the end of the breakout session. Randy Collins accepted the chapter chair position for the Case Studies chapter. Chris Melhorn was appointed the new chair for the Performance Measurements chapter.

Application Guide

The Application Guide was again passed out to attendees for review in breakout sessions. Sabin noted several changes to the guide, including a reformatting to the template of an IEEE Standards document. Sabin also requested that future submittals of graphics for the

guide come in TIF or BMP format, as they worked best in the document. Sabin reaffirmed the current chapter chairs of each chapter.

The attendees then broke into discussion groups to discuss the individual chapters, led by appointed spokespersons. At the end of the breakout session, each spokesperson reported on their recommendations.

Definitions: Neil Woodley

The group suggested adding definitions for Line Energy Supply (LES) and Stored Energy Supply (SES). They recommended classifying the BSES as a shunt device.

Recommendations were made to clarify the definitions for sag and dip. They also addressed the definition of “premium power park” and “custom power park.” A debate ensued on the definition of each, and whether they were synonymous. No conclusion was reached, however the final recommendation of the breakout group was to keep a definition for “custom power park,” and reference this definition when referring to a “premium power park.”

General Needs: Dan Sabin

This chapter was not covered among the groups.

Configurations and Performance Objectives: Stephen Middlekauff

Several grammatical and editorial recommendations were made throughout the chapter. The group suggested adding “alternate generation” as a possible energy storage module. The static series compensator was further clarified to be able to compensate for swells as well as sags. The group noted that several drawings in this chapter needed to be clearer. The chapter was slightly re-arranged by moving blocks of text to other sections so the flow of the chapter was better organized.

Application Considerations: Jim Burke

The group discussed Section 6.2.3 where a reference is made to the problem of “fighting” between an SSC and a transfer switch. They suggested a technical review of this section for validity. The group suggested removing the word “source” from the section title “Requirements for Source Transfer Switch Devices.”

Performance Objectives: Chris Melhorn

The group decided to rewrite this chapter from scratch and Melhorn agreed to submit a new outline by 2/14.

Case Studies: Randy Collins

The group agreed there needed to be a better balance of the case studies to represent the different controller types more equally. The chapter will be reorganized to more closely align with the Configurations chapter and provide case studies for each type. The group recommended removing all industry names and to only refer to the bibliography for actual customer and supplier names. The group felt several of the cases needed further

elaboration. Collins requested the case study providers to provide additional information by 2/7.

Economics: Mark McGranaghan

The group discussed the issue of one user versus multi-users of a particular custom power controller and the effect that would have on the economic analysis. Math Bollen agreed to put together a new submittal for this chapter by 3/1.

Next Meeting

The IEEE P1409 Task Force plans to meet next at the IEEE PES 2001 Summer Meeting on Tuesday, July 17, 2001 in Vancouver, British Columbia, Canada.

Minutes Submitted by Steve Middlekauff, IEEE P1409 Secretary

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Meeting Attendance

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Name	Company	Status
Gene Baker	Florida Power Corp	Guest
Math Bollen	Chalmers University of Technology	Guest
James L. Burke	ABB/ESC	Member
Randy Collins	Clemson University	Member
Brian Cramer	ComEd / Exelon	Guest
Andy Dettloff	Detroit Edison	Member
Russ Ehrlich	Conectiv	Member
Brian K. Johnson	Department of Electrical Engineering	Member
Mark Kempker	AESIPALCO	Guest
W. O. Kramer	Silicon Power Corporation	Guest
Mark F. McGranaghan	Electrotek Concepts, Inc.	Member
Chris Melhorn	EPRI-PEAC	Member
Stephen Middlekauff	CP&L	Member
Larry Morgan	Duke Power	Member
Ray O'Leary	S&C Electric	Member
John Schwartzberg	Silicon Power Corporation	Guest
Ken Sedziol	Cinergy	Guest
Georges Simard	Hydro-Québec	Member
Tom Tobin	S&C Electric Company	Guest
David Vannoy	Conectiv Solutions	Guest
Neil H. Woodley	Siemens AG	Member
Total		21