

IEEE P1409 Custom Power Task Force (15.06.05.01)

Meeting Minutes

IEEE/PES 2001 Summer Meeting
Vancouver, British Columbia, Canada
Tuesday, July 17, 2001, 8:00 AM to 10:00 AM
Hyatt Regency, King George Room

Introductions: Dan Sabin called the task force meeting to order at 8:02 AM. The agenda was reviewed, and attendees introduced themselves, identifying their names and company affiliations. A total of 29 people signed the attendance list, a summary of which is attached. The current membership database includes 39 members and 191 registered guests.

Minutes from Columbus: The last meeting of the task force was at the 2001 IEEE/PES Winter Meeting in Columbus, Ohio. Sabin summarized the minutes at that meeting.

Application Guide

The IEEE P1409 Application Guide was again passed out to attendees for review in breakout sessions. 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/Configurations and Performance Objectives: Brian Johnson acted as reporter for the group discussion. The group added the new terms “power quality disturbance” and “distribution series capacitor.” The group also wanted to see better organization of the summary table at the beginning of chapter 5.

General Needs: This chapter was completely overhauled by Dan Sabin. It now more closely follows IEEE Std 1159-1995. Several editorial comments were suggested throughout the meeting.

Application Considerations: Jim Burke acted as reporter for the group discussion.

Performance Objectives: Chris Melhorn acted as reporter for the group discussion. He presented a new outline for the chapter, with headings of system performance analysis techniques, equipment specification, characterizing equipment, device status, and cost.

Case Studies: Randy Collins acted as reporter for the group discussion. The group concluded that the chapter was in pretty good shape. They suggested that a paper reference be found for the SSC case study. They suggested that the SVR case study be removed, as there has been none installed to date. The transfer switch case study needed to have an SMC paper reference, needed some technical terms clean-up, and needed example waveforms. The BSES case study was considered incomplete, but Charles Perry said he could get a better one and a better reference. The group suggested that we remove the static circuit breaker section, as there have been only

prototypes to date. Charles Perry again volunteered to find example waveforms for the SSC. Tomas Larson volunteered to supply an arc furnace application at a higher voltage and VA rating. The distribution SVC case study needs a proper reference. The group decided we should contact Vladi Basch for better waveforms. Mike Ingram volunteered to possibly supply an additional case study that was summarized in an IEEE paper. The group decided that the distribution series capacitor section needed a case study. Randy Collins said that he would contact Larry Morgan to see if we could get it. Neil Woodley suggested that we add a case study for a custom power park. He said he could supply waveform examples.

Economics: Math Bollen acted as reporter for the group discussion. The group thought that the economics specifics should be moved to an annex of the guide. The chapter needed some treatment of comparing alternatives.

Next Drafts

The next draft of the IEEE P1409 was to be posted in August. New material was to be submitted by September. Another draft would be posted a month before the next meeting.

Next Meeting

The IEEE P1409 Task Force plans to meet next at the IEEE/PES 2002 Winter Meeting on Tuesday, January 29, 2002 in New York City.

Attendance List

The following people signed the attendance list for the IEEE P1409 meeting.

Name	Company	Name	Company
Gene Baker	Florida Power Corp	Larry Morgan	Duke Power
Math Bollen	Chalmers University of Technology	Ram Mukherji	Energy Consultant
James L. Burke	ABB/ESC	Scott Peele	Carolina Power & Light Company
Randy Collins	Clemson University	Charles Perry	EPRI PEAC
Andy Dettloff	Detroit Edison	D. Daniel Sabin	Electrotek Concepts, Inc.
Dave Gilmer	Yampa Valley Electric Assn., Inc.	Ambra Sannino	Chalmers University of Technology
Michael R. Ingram	TVA	Ken Sedziol	Cinergy
Eric John	ABB Power T&D Company, Inc.	Michael T. Sheehan	Puget Sound Energy
Brian K. Johnson	Department of Electrical Engineering	Georges Simard	Hydro-Québec
Mike Kotch	Tampa Electric Co.	Rao Thallam	Salt River Project
W. O. Kramer	Silicon Power Corporation	Timothy D. Unruh	Custom Energy
Frank Lambert	Georgia Tech - NEETRAC	David Vannoy	Enerwise Global Technologies
Tomas Larson	ABB	Marek Waclawiak	United Illuminating Company
Mark F. McGranaghan	Electrotek Concepts, Inc.	Neil H. Woodley	Siemens Power T&D
Chris Melhorn	EPRI PEAC Corporation		

Minutes Submitted by Dan Sabin, IEEE P1409 Chair