

Meeting Minutes  
Capacitor Subcommittee  
of the  
Transmission and Distribution Committee  
Vancouver, British Columbia, Canada  
July 18, 2001

I. Introduction

The meeting was called to order by Chairman Jeff Nelson. Tom Grebe recorded the minutes in Clay Fellers absence.

Gerald Lee and Carson Taylor presented the transactions paper "Shunt Capacitor Bank Series Group Shorting (CAPS) Design and Application" (PE-021PRD 07-2000).

The following people were in attendance:

<u>Name</u>	<u>Company</u>	<u>Member/Guest</u>
Jeff Nelson	TVA	Member
Tom Grebe	Electrotek	Member
Roy Alexander	PPL Utilities	Member
Ignacio Ares	Florida Power & Light	Member
Gerald Lee	BPA	Member
Bill Chai	GE - TDIS	Member
Stuart Edmondson	Duke Power Company	Member
John Harder	Applications Consultant	Member
Ivan Horvat	ABB	Member
Mark McVey	Dominion Virginia Power	Member
Don Ruthman	Myron Zucker	Member
Jan Samuelsson	ABB	Member

II. Previous Meeting Minutes

The minutes from the January 31, 2001, Columbus, Ohio meeting were approved as submitted.

III. Membership Review

The following people resigned from the Capacitor Subcommittee:

Suresh Kapoor

The following people were added to the Capacitor Subcommittee:

Gerald Lee

Working Group chairmen should submit recommendations for Capacitor Subcommittee members to Jeff Nelson.

#### IV. Chairman's Report

Jeff Nelson provided a review of the meeting changes being made by the Power Engineering Society. This includes a General Meeting starting in 2003. Various options for meeting structure were discussed. Other options for the Capacitor Subcommittee, such as meeting with PSRC and Substations, were also discussed.

#### V. Liaison Reports

##### 1. NEMA - Bill Chai

There was a meeting earlier in the year. Work is beginning on the initial planning on application issues and evaluation options.

##### 2. IEC - Bill Chai

Will meet in October in Italy. There will be a series capacitor working group meeting.

##### 3. C37.66 - Mark McVey

Expecting D7 soon, including number of test values for capacitor options. Intending to ballot D7 after October meeting.

#### VI. Working Group Reports

##### 1. Working Group on Capacitor Technical Papers - Tom Grebe

Two technical papers were submitted. One was rejected and one was accepted.

Paper review will now use the online IEEE Manuscript Central system.

##### 2. Working Group on Capacitor Bibliography - Tom Grebe for Richard Sevigny

Updated bibliographies have been posted to the Capacitor Subcommittee website.

3. Working Group on Standard for Series Capacitors - Gerald Lee for Stan Miske

Draft will be balloted soon. Currently developing specification guidelines.

4. Joint Working Group on Thyristor Controlled Series Capacitors - Gerald Lee for Stan Miske

Working on TCSC document with a target date of Sept/Oct. Ballot expected in January.

Capacitor and reactor sections need to be added and reviewed.

5. Working Group on Shunt Power Capacitors - Ignacio Ares

Seven members and three guests attended meeting.

Standard was re-circulated in spring with 93% returned and 97% voting affirmative. The one negative vote could not be resolved and required documentation will be sent to IEEE.

Will send final document to IEEE in time for October meeting.

6. Working Group on the Application Guide for Shunt Power Capacitors - Jeff Nelson for Antone Bonner

Sending draft to IEEE for ballot.

7. Working Group on Harmonic Filters - Tom Grebe

14 members/guests.

Draft 2 was balloted. There was 58 in the ballot group with 34 affirmative, 8 negative, and 2 abstentions.

Spent entire meeting discussing comments from ballot.

Will complete next draft and send to IEEE for re-circulation.

## VII. Old Business

1. Joint Technical Session with PSRC C37.99 Working Group - Mark McVey

Will not occur at T&D Show due to scheduling issues.

May try for a panel session at the 2002 WPM in New York.

2. Capacitor Related Definitions - John Harder

No progress. Will address at next meeting.

3. Fellow Nominations

No progress.

## VIII. New Business

### KVAR/MVAR Discussion

John Harder summarized the usage of kVAR and MVAR and the concerns raised in the balloting of the Harmonic Filter document. To address this concern, John will be adding two new definitions for these terms in the standard(s).

## IX. Future Meetings

2002 Winter Power Meeting - January 28-30, New York

2002 Summer Power Meeting - July 22-24, Chicago