

**Meeting Minutes
Capacitor Subcommittee
of the Transmission and Distribution Committee
Lake Buena Vista, Florida
January 13, 2010**

I. Introduction

The meeting was called to order by Mark McVey.

The following people were in attendance:

<u>Name</u>	<u>Company</u>	<u>Member/ Guest</u>
Mark McVey	Dominion Virginia Power	Chair
Bill Chai	GE - CPQP	M
Bruce English	GE Energy	M
Tom Grebe	Electrotek	M
Jeff Nelson	TVA	M
Dan Luke	Cooper Power Systems	M
Richard Sevigny	Hydro Quebec	M
Lisa Vovan	HQ Transenergie	M
Roy Alexander	PP&L	M
Ivan Horvat	ABB	M
Jeff Peggs	Dominion	M
Luther Holloman	Dominion	M
Vittal Rebbapragada	-	M
Ray O'Leary	S&C Electric	G

II. Previous Meeting Minutes

The minutes from the July 2009 Calgary meeting were approved with the following correction: under the IEC Liason Report, "seal healing" was corrected to "self healing".

III.Membership Review

The following people resigned from the Capacitor Subcommittee:

None

The following people were added to the Capacitor Subcommittee Membership List:

None

IV. Chairman's Report

Mark McVey has divided the membership list into two sections: Members in Attendance (previous three meetings) and Corresponding members.

IEEE 1531 has been approved.

V. Liaison Reports

A. NEMA – B. Chai

No face to face meeting of the NEMA capacitor group was held in 2009 – teleconference only.

Proposed type testing and capacitance tolerance as requested by IEEE 18 WG to be discussed at next meeting.

Next tentative meeting is for May 2010, in Washington, DC.

B. IEC – B. Chai

No TC33 meeting in 2009. Next meeting scheduled for October 2010 in Frankfurt.

There was a WG 13 meeting in Montreal with good attendance. Next meeting is scheduled for April in Helsinki.

Next CIGRE meeting will be in August 2010, in Paris. Meeting in Budapest in September 2009 was a fairly small meeting.

C. C37.116 – Mark McVey

There was a meeting today to work toward revision of this document. There is a safety issue in the document that will allow them to put together a scope, purpose, and PAR to get things moving without having to wait until this document is up for next revision.

VI. Working Group Reports

A. W.G. on Capacitor Technical Papers – Tom Grebe

No papers were submitted for review.

B. W.G. on Capacitor Bibliography – Richard Sevigny

Two papers have been presented for addition to the Capacitor Bibliography – one on capacitor placement, and the other on HVDC capacitors and ways to mitigate noise.

C. W.G. on Specification Guide for Series Capacitors – Bruce English

Currently working on Draft 10. Good progress made. Document is taking shape, and is 95% on its way toward a ballotable document.

D. W.G. on Application Guide for Shunt Power Capacitors – Mark McVey

Legal did not like the wording in the scope of IEEE 1036. A change to the wording was made, and agreed upon changes requested during last balloting were made. A clean pdf, and a pdf with changes shown are being submitted to RevCom. Pending OK from RevCom, the document will be re-circulated. Recirculation will be open for 20 days. PAR lasts through 2010.

E. W.G. on Harmonic Filters – Mark McVey

IEEE 1531 has been approved, and extends this document for another five years.

F. W.G. on IEEE Standard 18 – Jeff Nelson

Draft 7 was reviewed at the meeting. All comments which had been received were addressed at this Winter meeting.

Significant proposals for new design tests were made, as well as a review of low voltage capacitor ratings.

A list of approximately 5 items have been given to NEMA committee to review and receive back formal comments prior to Summer meeting.

Other assignments were also handed out which include a comparison/ review of IEC 60871 and IEEE 18 to determine if any other items need to be addressed in the next issue of IEEE 18.

Attempt to ballot after next Working Group Meeting.

G. W.G. on Reactor Applications for Capacitor Switching Technologies – Roy Alexander

Roy presented information on this topic explaining differences in switching using oil breakers, vacuum breakers, and SF6 breakers when inductors and capacitors are present. He would ideally like some testing to support his calculations and determine exactly if, when, and what size inductors should be used when switching capacitors (perhaps NEETRAC would be willing to consider this project?).

VII. Old Business

None.

VIII. New Business

At the end of 2010, Mark McVey's tenure as Capacitor Subcommittee Chair will end. Tom Grebe will take over this position.

IX. Future Meetings

July 15-29, 2010 Minneapolis, MN
January 10-14, 2011 Atlanta, GA
July 24-29, 2011 Detroit, MI

Minutes submitted by Dan Luke