

**Meeting Minutes  
Capacitor Subcommittee  
of the Transmission and Distribution Committee  
Tampa, Florida  
February 4, 1998  
<http://www.electrotek.com/ieee/capsub/capsub.htm>**

**Introduction**

The meeting was call to order by Chairman Jeff Nelson at 3:00 PM.

The following people were in attendance:

<u>Name</u>	<u>Company</u>	<u>Member/Guest</u>
Jeff Nelson	TVA	Member
Tom Grebe	Electrotek	Member
Kurt Reim	Power Electrical Manufacturing Company	Guest
Antone Bonner	Cooper Power Systems	Member
Stuart Edmondson	Duke Power Company	Member
Chuck Gougler	IEM	Member
John Harder	Applications Consultant	Member
Luther Holloman	Virginia Power	Member
Ben Mehraban	AEP	Member
Stan Miske	GE Company	Member
George Newcomb	GE Company	Member
Ed Reid	Qual-Tech Engineers	Member
Don Ruthman	Myron Zucker	Member
Richard Sevigny	ABB Capacitors	Member

**Previous Meeting Minutes**

The minutes from the August 20, 1997 meeting in Chattanooga were approved as submitted.

**Membership Review**

No changes to report. Membership roster distributed for update.

**Chairman's Report**

March 1<sup>st</sup>, 1998 is the deadline for paper and panel session proposals for the Summer Power Meeting in San Diego.

Up-to-date Working Groups rosters should be forwarded to Clay Fellers as soon as possible.

Power Engineering Letters now appearing in the PE Review.

PES is looking for Fellow nominations. Deadline is March 15<sup>th</sup> (requires documentation, supporting material, and 5 references).

T&D membership dropping off. Jeff will nominate Working Group chairmen and Subcommittee officers at upcoming Ad. Com. Meeting.

T&D Committee needs to have more papers published. Number of papers is down about 30-40%.

Members should contact Jeff or Tom (Grebe) with ideas for paper / panel / hybrid sessions.

Proceedings will be published starting with the 1999 Winter Power Meeting.

There will be no Working Group meetings in Singapore due to a lack of attendance in Berlin.

T&D Standards Coordinator is now Karl Mortenson.

Papers will be review and authors notified within 120 days of submission.

New IEEE Standards Association (<http://standards.ieee.org/sa/index.html>). After January 1, 1998 an individual must be a member (of SA and IEEE) to ballot a standard. Jeff suggested that each member of the Subcommittee join the SA for the upcoming Standards 18 and 1036 ballots. If a person fails to return a ballot (after returning the agreement), they will be dropped from the ballot pool. 75% of the ballots must be returned for a valid ballot.

There will be a new ½ day (\$50) tutorial at the Winter and Summer Power Meetings.

A joint (Capacitor and Power Electronics Subcommittees) working group “Guide for Specifying TCSC” will be proposed to the T&D and Substations Committees. The group is planning three meetings a year: Winter Power Meeting, Summer Power Meeting, and Substations Meeting (sometime in May).

## **Liaison Reports**

NEMA – G. Newcomb

CP-1 will be reaffirmed. Discharge test and overvoltage re-ballot/comments by summer.

Starting reaffirmation of CP-9 (fusing).

IEC – G. Newcomb (drop J. Barcus)

Distributed status report (attached). Next meeting will be May of next year.

***Capacitor Fusing - Removed***

C37.99 Working Group – J. Harder

Met January 13<sup>th</sup>, 1998. Draft #1 given to Jeff and Clay (attached). Next meeting in May. E-mail John if you want to comment on draft (quickly).

C37.66 Capacitor Switches – J. Nelson

Early states of review.

**Working Group Reports**

Working Group on Capacitor Technical Papers – T. Grebe

One paper was submitted and rejected.

Working Group on Capacitor Bibliography – R. Sevigny

Power Capacitor Bibliography (1992-1997)  
Power Capacitor for Harmonic Filter Bibliography (1992-1997)  
Series Power Capacitor Bibliography (1992-1997)  
<http://www.electrotek.com/ieee/capsub/capsub.htm#wg>

Document can be downloaded (PDF) format from the Capacitor Subcommittee Web Page. Contact Richard if you would like a paper copy.

Working Group on Standard for Series Capacitors – S. Miske

Agreed on some testing requirements for fuses (included in design test).

Production test levels discussed.

Discussion of current ratings with blown fuses.

Combining material into draft #1.

Possibly include summary of applications on web page.

#### Working Group for Shunt Power Capacitors – J. Nelson (for I. Ares)

John Harder is completing final draft. Ballot the Working Group for the Summer Power Meeting. General ballot immediately afterwards.

#### Working Group on Application Guide for Shunt Power Capacitors (A. Bonner)

A number of minor revisions to reflect Std. 18.

New material under development for fuseless and internally-fused banks

Reference switch questions to C37.

Update bibliography.

Add appropriate Standards references.

Final draft / ballot to group by Summer Power Meeting.

#### Working Group on Harmonic Filters (E. Reid)

Low Voltage and Medium Voltage Task Forces met. Both sections nearly complete. Will distribute sections to whole working group before Summer Power Meeting. Draft of entire document for Winter Power Meeting '99.

#### **Old Business**

Web page discussion – what to add, etc.

Request by Jeff for everyone to subscribe to the e-mail list:

<http://www.electrotek.com/ieee/capsub/capsub.htm#maillist>

#### **New Business**

Topics for panel / paper sessions to Jeff or Tom.

Meeting schedule will be coordinate as best as possible for Summer Power Meeting. Some overlap may be unavoidable.

The meeting adjourned at 5:10 PM.