

**Capacitor Subcommittee  
of the  
IEEE PES Transmission and Distribution Committee  
2012 Joint Technical Committee Meeting Minutes  
Anaheim, California**

**Wednesday, January 11, 2012**

## **1. General Meeting Introductions and Acknowledgments**

Those in attendance:

<b>Name:</b>	<b>Company:</b>
Mark McVey	Dominion Virginia Power
Roy Alexander	RWA Engineering LLC
Bill Chai	GE
Vincent Deslauriers	ABB inc
Tom Grebe	Electrotek Concepts, Inc
Ivan Horvat	ABB inc
Mike Hulse	Bonneville Power Administration
Halim Malaj	Consolidated Edison of New York
Dan Luke	Cooper Power Systems
DJ Meisner	AEP
Jeff Nelson	Tennessee Valley Authority
Scott Choinski	NEMA
Al Powers	P&E Engineering Co.
James K Niemira	S&C Electric Co.
Craig O'Meally	Florida Power & Light

Introduction of officers and roles:

Tom Grebe-Chair-Website

Richard Sevigny-Vice Chairman-Membership Roster

Mike Hulse-Meeting Minutes

## **2. Approval of Minutes of Previous Meeting**

Distribution of meeting minutes for review.

Comment to correct redundant names on role sheet.

The minutes from the July 2011 meeting in Detroit were approved.

## **3. Membership Review**

Richard cleaned up the old roster, broke into 2 groups (active and observer)

Tom is maintaining a distribution list. And sends out to grouper.ieee.org (Google IEEE cap subcommittee)

## **4. Chairman's Report**

470 people at the meeting this year. At the end we will cover next meeting.

IEEE links, Subcommittee website updates: <http://grouper.ieee.org/groups/td/cap/>

Status of groups, standards updates.

## 5. Liaison Reports:

### A. NEMA – Bill Chai

- NEMA meeting had new participant (Vincent Deslauriers) missing one other member (he was on the phone) did not cover bar-coding in depth, will cover this next year.

### B. IEC, CIGRE – Bill Chai

- Had a meeting last year (presented performance test to 871.1) chairmen circulated the proposal (Canada proposed the fuseless test and fuse disconnecting test) The performance test received mixed response, and they responded with 7 positive responses 6 negative so it did not pass. The Negative responses did not elaborate so further investigation is to be looked into. Some concerns about having to perform test in -1 and -2 (-1 is a full standard and -2 is a test report. So if a performance test is added to -1 then the standard would be stand alone, even though it is an abbreviated test. Next meeting is end of February.
- For 2012 IEC has planetary meeting in September (India-pending)
- Cigre meeting in Paris at the end of August
  - 836- Capacitive banks as a system with CLR and Breaker, anything involved in TRD - this would be a technical report rather than a brochure.

### C. IEEE Std. C37-116 – Core Agendum Mark McVey

- Almost finished, one reply from arrestor manufacture. The guide is intended to be normative and Hubble has replied with how their arrestors should be applied and tested. Core agendum should be in place by the summer meeting (Siemens is drafting)

## 6. Working Group Reports:

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

- Slow year for submissions
- 4 papers reviewed (3 rejected, 1 accepted)
- If you would like to be a reviewer for a paper, contact Tom Grebe

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

- Nothing has shown up lately, but is looking to the IEEE papers. If anyone knows of any applicable publications please send to Richard.
- A Transaction paper referencing C37.99 is currently listed and needs further discussion if it is to be removed.
  - The paper will be sent out on the email vote for approval or rejection in the Bibliography

### C. W.G. on Shunt Capacitor Banks (Std 18) – Jeff Nelson

- Two half-day meetings
- Copyright permission from IEC for 871-4 granted
- Comments back from balloting and the most important were addressed during the meeting. Jeff will resend out for additional comments
- PAR extended till the end of the Year

#### **D. W.G. on Standard for Series Capacitors – Mark McVey**

- P17.26 was up before the end of the year, it was extended. About to go out for balloting
  - Contact mark if you want to be on the balloting group
  - Some figures have been updated
  - Editorial review from IEEE
  - 14 attended 9 members 5 guests

#### **E. W.G. on the Application Guide for Shunt Power Capacitors – Mark McVey**

- Mark put together the list of negatives that were outstanding so that they can be addressed in the next revision.
- Next iteration will be a revision not an affirmation
- Anyone that would like to be the Chair for 1036 please let your interest be known

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

- Paper is progressing and “tweaking” right now he is trying to figure out the publication issues so that it is not too big for “transactions”. Roy expects to be finished by summer. A panel session may be appropriate.

## **7. Old Business:**

No interest in taking over the standard for the 1531 because it was just reaffirmed (2009). Website updates continue to be made, if you have a status change let Tom know

## **8. New Business:**

Chair needed for Std. 1036 revision. J. Meisner will consider

NERC is concerned about the pack of solar storms (geomagnetic currents). We are concerned about the requirements from NERC that devices be installed on transformers and the lack of quality products that are durable. Mark would like to recommend a group be put together for the formation of a working group (to build a guide or a best practice) under the capacitor subcommittee be put together to address these issues. Jeff Nelson and Roy Alexander motioned and seconded the formation of a new task force (TF Capacitor GMD Mitigation). A task force will be put together and Mark will provide some literature to get the ball rolling for a panel session

Roy Alexander- Metalized film Power Capacitors- where did this go? ABB is developing a product for DC applications. This was addressed at the IEC meeting.

Vincent – AEP started an initiative (no longer involved) about case rupture – Georgia Tech has a knee track project to study case rupture

## **9. Future Meetings:**

- July 22-27, 2012 (General Meeting) in San Diego, California
- January 2013 JTCM – Possibly Texas
- July 21-25, 2013 (General Meeting) in Vancouver, British Columbia