

Capacitor Subcommittee
IEEE PES Transmission and Distribution Committee
2021 IEEE PES JTCM
Remotely done (Virtual Meeting)

Wednesday, January 12, 2022

1. General meeting introductions and acknowledgments

The meeting was called to order by the Subcommittee Chairman Vincent Deslauriers.

Attendees introduced themselves. The following 17 people were in attendance:

Name	Company	Member or Guest
Biswajit Singh	Hitachi Energy	Secretary
Bruno De Freitas	Siemens Energy	Member
Devki Sharma	Energy Corporation	Member
Gerald R. Callison	Commonwealth Associates	Member
Hua Liu	Southern California Edison	Member
Stephen Ladd	Duke Energy	Member
Joe Tynan	Duke Energy	Guest
Daniel J Luke	Eaton's Cooper Power Systems	Member
Mark McVey	Dominion Energy	Member
Jeff Nelson	Tennessee Valley Authority	Member
Glenn Pietschmann	Hubbell Power Systems	Member
Pratap Mysore	Pratap Consulting Services	Member
Roy Alexander	RWA Engineering	Member
Richard Sévigny	Hydro-Québec	Member
Timothy Lenberg	Bonneville Power Administration	Member
Vincent Deslauriers	Hitachi Energy	Chairman
Xuan Wu	American Electric Power	Vice Chairman
Sergio Yamazaki	Siemens Energy	Member

2. Approval of minutes of previous meeting

The meeting minutes for the subcommittee General meeting (held on July. 18, 2021) were approved with a motion from Mark McVey and a second from Richard Sévigny.

3. Membership review

The membership roster will be updated based on people present to the virtual meeting. This subcommittee is open to new members and guests.

Membership roster can be found at: <http://grouper.ieee.org/groups/td/cap/>

4. Chairman's report

- The subcommittee website expects to be upgraded for harmonizing with the standard IEEE format.
- Vincent has shared the instructions provided by Dan Sabin (Vice Chair for Standards / Standards Coordinator, IEEE PES Transmission & Distribution Committee) with all working group chairs about
 - Obtaining membership in a working group
 - Attendance requirements at meetings
 - Eligibility and qualification of subcommittee members

The information can also be available at <https://cmte.ieee.org/pes-td/policies/>

Discussions

- Jeff Nelson mentioned that a new document from T&D released and can be followed.
- Vincent briefly presented the updated instruction.
- If someone is contributing without attending the meetings, possible to make them corresponding members.
- Richard Sevigny mentioned that we have active members and observers
- Each working group chair need to manage the membership roster for respective groups.

Consensus

Anybody contributing to the standard, to be considered as a member.

Upcoming Panel session

Richard has not received any update related to the panel session.

Vincent mentioned that NEMA members are also interested to contribute to the panel session.

5. Liaison report

NEMA : Vincent represented Clay Fellers (Chair for NEMA CP8)→ Clay has shared the below 4 points

1. Completed response to IEEE Std. 18 Working Group on proposed “Element Fail Safe Test with High Energy on Fuseless Capacitor Designs” and “Element Fail Safe Test Low Energy on Fuseless Capacitor Designs”.
2. Completed proposal for “Flat Rack” capacitor bank design to be inserted into IEEE Std. 18 for next ballot.
3. Published “US G 112-2021 Capacitor Bank Purchasing Specifications Guidance” on NEMA Capacitor’s Section Website. Podcast pending.
4. Considering development of a “Low Voltage Capacitor Standard” and a “DC Capacitor Standard”

IEC: Richard and Biswajit

- Upcoming TC-33 meeting scheduled in Stockholm during 7th and 8th September 2022.
- 60871-1 will be discussed in the Stockholm meeting.

CIGRE: Mark and Biswajit

Brochure for overcompensated for SC lines published under C4B5.

HVDC Green book is on preparation, anybody who would be interested to contribute are welcome to contact Biswajit.

6. WG Reports

- Technical paper – Nothing to report
- Bibliography - Nothing to report
- Shunt Capacitor working group: Xuan Wu
Ballot process for Standard-18 has been initiated. So far 80balloters for Std-18 have signed in.
Last date to register : 21st Jan 2022.
Ballot starts: End of January.
Ballot ends: end February.
- Series capacitor working group: Mark McVey

23 people attended with 14 regular participants attended the last SC Working group on 10th January.

Std-824 has been sent for re-ballot after resolving majority of the negatives.

Biswajit will take over from Mark as next chair for the SC capacitor working group.

- LV Cap meeting : Cancelled
- 1036 Application guide : William Munn was not present.
Vincent mentioned that the PAR for 1036 just got approved.
Mark mentioned that he has all the editable materials, which can be referred.
- GMD meeting: meeting was cancelled
Mark mentioned that NEMA is taking the lead in creating awareness of this topic, Mark is deeply involved in guiding and providing inputs
- Capacitor discharge limitation application: Roy Alexander
Roy shared the draft of the technical report and have provided a month for the subcommittee members to review and provide suggestions.
The report will be uploaded in the subcommittee website.
- HF Filter guideline: Jan Paramalingam
Jan did not participate and aims to have a meeting before the upcoming General Meeting.

Old business

No specific topics.

New business

- In person events are encouraged for future.
- PS T&D is looking for reviewers. Manuel Avendaño to be contacted if anybody wanted to contribute as a reviewer.
- For upcoming Panel session contributors are required. The topics are as below

Panel-1: Power Capacitor design evolution

3 subjects

Panel-2: Power capacitor and their applications

2 subjects

Future meetings

July 17-21 Denver – CO, USA.

Draft schedule of the meeting is shared to the WG Chairs by Vincent.

Meeting notes prepared and respectfully submitted by :

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