

IEEE/PES Transformers Committee | Dielectric Test Subcommittee

WG C57.113 – IEEE Recommended Practice for Partial Discharge Measurement in Liquid-Filled Power Transformers and Shunt Reactors

Unapproved Meeting Minutes

VIRTUAL MEETING | April 26th, 2021 | 10:10am – 11:35am ET

Chair: Ali Naderian
Vice Chair: Janusz Szczechowski
Secretary: John Foschia

Meeting Attendance

The working group met at 10:10am ET. There were 101 attendees and 15/17 members present. Quorum was met.

Discussions

- No essential patent claims or copyright violations noted.
- An updated membership list was presented based on attendance.
- Through WebEx, a poll was conducted to determine member attendance and requests for membership. Quorum was met with 15/17 members present.
- The spring 2021 meeting agenda was approved.
 - Motion by Tauhid Ansari
 - Second by Detlev Gross.
 - No discussion and unanimous consent.
- IEEE copyright and patent claim slides were presented. No copyright or patent concerns were brought to the attention of the WG.
- The minutes of the Fall 2019 meeting were approved.
 - Motion by Tauhid Ansari
 - Second by Detlev Gross.
 - No discussion and unanimous consent.
- The minutes of the Fall 2020 meeting were approved.
 - Motion by Detlev Gross
 - Second by Hemchandra Shertukde
 - No discussion and unanimous consent.
- The current PAR will expire at the end of 2021.
 - The chair solicited approval of a PAR extension of 1 year
 - Motion by Detlev Gross
 - Second by Alex Winter
 - No discussion and unanimous consent.
 - **PAR extension of 1 year was approved by the WG and approval of the Dielectric Test subcommittee is necessary to submit the PAR extension request.**
- The updated draft of the guide was presented and feedback was solicited.

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- Discussion amongst multiple members centered around removal of the phase-resolved partial discharge patterns from the guide because they are not in the scope of the guide. Reference was made to IEEE 454 and additional CIGRE documents.
- A motion was made to “modify the wording of Annex G, removed the phase-resolved partial discharge patterns, and reference ‘upper’ IEEE documents.”
 - Motion by Hemchandra Shertukde
 - Second by Detlev Gross
 - Removal of the noise identification patterns in Annex F and G was discussed.
 - The motion was amended to:
 - **“Modify the wording of Annex G, removed the phase-resolved partial discharge patterns in Annex F and Annex G, and reference ‘upper’ IEEE documents.”**
 - Second by Detlev Gross
 - No further discussion and unanimous consent.
- A motion was made “to remove an example of the calculations provided in Annex A and to only include formulae in Annex A.”
 - Motion by Detlev Gross
 - Second by Hemchandra Shertukde
 - It was noted that these calculations were initially included as a tutorial for less experienced users of the guide but that it would be acceptable to remove.
 - Unanimous consent to approve the motion.
- A motion was made “to remove the example patterns in Annex B but to keep the pulse repetition rate graph and frequency response graph.”
 - Motion by Detlev Gross
 - Second by Hemchandra Shertukde
 - Discussion centered around the extension of the graph to a frequency lower than 1 Hz.
 - No opposition to unanimous consent.
- The meeting was adjourned at 11:25am ET.

John Foschia, Secretary