

IEEE/PES Transformers Committee
WG C57.127- IEEE Guide for the Detection, Location and Interpretation of
Sources of Acoustic Emissions from Electrical Discharges in Power Transformers
and Power Reactors

Unapproved Meeting Minutes
New Orleans, April 4th 2017
Room: St. Charles AB (1)

Meeting Attendance

The working group met at 11:00 AM. 84 persons were in the room and 15 members out of 23 were present. Quorum requirement was met. Complete attendance record is available in the AM System. From the 7 membership requests received, 6 have attended the last two meetings and will be included as members for next meeting in Louisville.

Discussions

The meeting started with the unanimous approval of the agenda (Thang Hochanh). The minutes from Vancouver's meeting were also unanimously approved (motion by Thang Hochanh, second by Robert Brusetti).

No new patent was brought to our attention during the call for patent.

It was mentioned that our PAR will expire in December 2019. For meeting this deadline without asking for extension, the work will focus on having a stable document after F17 meeting. Changes will be made to the document and circulated for comments before Louisville.

Robert Brusetti questioned the need to mention a number of sensors in subclause 4.2. The reason why 3 sensors are mentioned is because this section covers the spherical triangulation approach which needs 3 sensors. It is an explanation of the technique and not meant as a recommendation.

Robert Brusetti also mentioned his disagreement with the sentence in clause 11 that states that a correlation can be made between acoustic characteristics and PD levels. It was agreed to correct the sentence. He also suggested cropping certain images to emphasize on the signals only, which will be done.

Detlev Gross volunteered to add details to the clause covering the acoustic localisation during impulse test.

Raja Kuppaswami suggested adding examples for user to better distinguish the direct propagation path and the combined oil-steel path. This could include mathematical approaches that could fall under patent material with ownership outside our WG. Alexander Kraetge volunteered to work on adding this information with concepts from public domain.

Hemchandra Shertukde suggested not removing Annex C covering wavelet transform for being an applicable approach to solving times of arrival of waveforms. He will provide examples where such process was proven useful. Waldemar Ziomek and Detlev Gross suggested adding the time-frequency analysis as a wider topic since wavelet processing is not the only option.

The group will meet again in Louisville for the fall 2017 meeting.

Adjournment

The meeting was adjourned at 11:50 AM.

David Larochelle