

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

Unapproved Meeting Minutes
Kansas City, October 24th, 2023, Room: Liberty

Meeting Attendance

The task force met at 9:30 AM. 29 participants were in the room and 19 requested to be members of the group.

Discussions

After the call for patent and showing the copyright policy, we proceeded with the chair's remarks on the start of this new task force. Understanding that the current C57.127 documents will expire in 2028, the task force will have about 4 years to revise and update its content.

The current Title, Scope and Purpose were presented. Gary Hoffman made a comment about how "Power transformers" refers to a category that excludes distribution transformers. A motion was made to remove both "Power" in the title (motion by James Cross, seconded by Alexander Kraetge, unanimously approved). The discussion that followed aimed at modifying the current Title and Scope to include other electrical equipment without having to specify each (for example voltage transformers, traction transformers etc). The following wording was finally voted on (motion by Marcus Soeller, seconded by Gary Hoffmann) and unanimously approved. The chair will ask for a vote at the dielectric subcommittee meeting so a PAR can be filed and get the working group officialised by the next spring meeting.

Title

Guide for the Detection, Location and Interpretation of Sources of Acoustic Emissions from Electrical Discharges in Transformers and Reactors.

Scope

This guide is applicable to the detection and location of sources of acoustic emissions (AEs) from partial discharges (PDs) and other sources in power and distribution transformers, reactors, cast resin dry-type transformers and other specialty transformers. There are descriptions of acoustic instrumentation, test procedures, and interpretation of results.

Purpose

This guide is intended to provide information that may be helpful in planning, installing, and operating acoustic measuring equipment and meaningful interpretation of resulting data.

It was then mentioned that short presentations on case studies or new techniques could be beneficial for the group. Any participant interested in presenting should contact one of the TF officers so it can be planned in the next meetings by dedicating between 20 and 30 minutes to such tutorial sessions.

Adjournment

The meeting was adjourned at 10:30 AM (motion by Gary Hoffmann, seconded by Jeff Benach)

David Larochelle