

# **Working Group for IEEE C57.130: Guide for the Use of Dissolved Gas Analysis to Factory Temperature Rise Test for the Evaluation of Mineral Oil-Immersed Transformers and Reactors**

Tuesday, March 24, 2025  
8:00 – 9:15 am  
Hyatt, Denver, CO, USA  
Minutes of Working Group Meeting

Chair: Bruce Forsyth (BF)

Vice Chair/Secretary: Jinesh Malde (JM)

Membership list was updated prior to the meeting to ensure that members had either attended 2 consecutive meeting or 3 out of 5 meetings. Quorum requirement for the meeting was 19 out of 37 members. There were 24 members in the meeting and quorum was met.

The Chair showed the behavior expectations, IEEE patent and copyright policies, and asked the participants if there are any claims that should be reported regarding these policies. There were no claims brought up by attendees in the meeting.

The agenda was presented. A motion was made to approve the agenda. With no objections, the agenda was approved. The Chair requested the members to approve the Fall 2024 meeting minutes. Jeremiah Bradshaw made a motion to approve the Minutes. With no objections, the meetings minutes were approved.

The Chair shared the timeline for the revision and mentioned that the working group was at least 1 year behind on the completion of the work and the PAR expires in Dec 2026 however the guide would become inactive in Dec 2025.

Jim Thompson who was past Chair of IEEE C57.130, explained the process used to come up with values listed in Table 2:

- Data on 386 transformers was collected from 4 data sets.
- Transformers ranged from 8.4 MVA to 700 MVA
- Volume of liquid ranged from 1300 gal to 34000 gal.
- All the data was collected and populated in an excel sheet. The values generated in Table 2 were discussed amongst members and guests and was compared to the IEC equivalent standards.

Lance Lewand updated the working group that the data survey on collecting data for mineral oil and ester filled transformers was sent out but only received 2 responses. Patrycja Jarosz from IEEE updated the group that the template prepared to collect the data was very complicated and IEEE was not capable of handling the information currently. A guest mentioned that Standard Association's inability to assist working groups is stalling the process of developing standards. Scott Reed mentioned that discussion on how to handle the situation with regards to storage, anonymization and use of data is ongoing.

The Chair mentioned that he is not in favor of a PAR extension because PAR extensions are generally requested when a working group is nearing the end of their work but need a little more time. Our working group has not even started work on analyzing data for non-mineral oil filled transformers

because we have not received sufficient responses from our survey to create statistically reliable recommendations. He suggested that the working group consider focusing on completing the minor edits in the document and go to ballot without including updates for non-mineral oil liquids. The guide can be reopened for revision to add new information on alternative liquids after that. Jim Thompson made the motion to “Stop the review process on the guide due to lack of data on alternative liquids and to proceed with only minor revisions”. Ed Casserly seconded the motion. There were 13 yes and 8 no with no abstentions. The motion carried.

Call for volunteers was made. Zane Kiparizoski, Amitabh Sarkar, Jeremiah Bradshaw and Roberto Da Silva volunteered to help complete the minor revisions to the standard.

Meeting adjourned at 9:15 am.

Respectfully submitted,

Jinesh Malde, Secretary

### Meeting Attendees

| Last Name    | First Name | Status     |
|--------------|------------|------------|
| Forsyth      | Bruce      | Chair      |
| Malde        | Jinesh     | Vice-Chair |
| Boettger     | William    | Member     |
| Bradshaw     | Jeremiah   | Member     |
| Castellanos  | Juan       | Member     |
| Da Silva     | Roberto    | Member     |
| Draper       | Zachary    | Member     |
| Felton       | Todd       | Member     |
| Hollrah      | Derek      | Member     |
| Jensen       | Nick       | Member     |
| Khan         | Qasim      | Member     |
| Kiparizoski  | Zane       | Member     |
| Kirchenmayer | Egon       | Member     |
| Lewand       | Lance      | Member     |
| McBride      | Brian      | Member     |
| Morales-Cruz | Emilio     | Member     |
| Perjanik     | Nick       | Member     |
| Reed         | Scott      | Member     |
| Sarkar       | Amitabh    | Member     |
| Schweiger    | Ewald      | Member     |
| Thompson     | Ryan       | Member     |
| Thompson     | Jim        | Member     |
| Vir          | Dharam     | Member     |
| Yun          | Joshua     | Member     |
| Arnold       | Elise      | Guest      |
| Berube       | Jean-Noel  | Guest      |
| Biggie       | Kevin      | Guest      |
| Bonn         | Mike       | Guest      |
| Botti        | Michael    | Guest      |
| Bule         | John       | Guest      |
| Burk         | Griffin    | Guest      |
| Calil        | Wilerson   |            |
| Casserly     | Edward     | Guest      |

| Last Name  | First Name    | Status |
|------------|---------------|--------|
| Foata      | Marc          | Guest  |
| Garcia     | Eduardo       | Guest  |
| Garner     | Joshua        | Guest  |
| Garza      | Hector        | Guest  |
| Goglia     | Slaven        | Guest  |
| Griesacker | Bill          | Guest  |
| Gyore      | Attila        | Guest  |
| Harper     | Robert        | Guest  |
| Hayes      | Roger         | Guest  |
| Hermann    | Florian       | Guest  |
| Jeong      | Chanmin       | Guest  |
| Kadar      | Laszlo        | Guest  |
| Kennedy    | Sheldon       | Guest  |
| Kurz       | Andreas       | Guest  |
| Lawless    | Andrew        | Guest  |
| Lizcano    | Cesar         | Guest  |
| Loiselle   | Luc           | Guest  |
| Mabrey     | Stephanie     | Guest  |
| Manuel     | Quinones      | Guest  |
| Mellin     | Toni          | Guest  |
| Mikulecky  | Filip         | Guest  |
| Murcia     | Fredy         | Guest  |
| Nims       | Joe           | Guest  |
| Omar       | Mendez Zamora | Guest  |
| Ortiz      | Juan          | Guest  |
| Patel      | Sanjay        | Guest  |
| Patel      | Monil         | Guest  |
| Pedro      | Pedro         | Guest  |
| Raymond    | Timothy       | Guest  |
| Robles     | Antonio       | Guest  |
| Schiessl   | Markus        | Guest  |
| Shertukde  | Hemchandra    | Guest  |
| Sinclair   | Jonathan      | Guest  |

| Last Name | First Name | Status |
|-----------|------------|--------|
| Singh     | Amitkumar  | Guest  |
| Stauffer  | Jonathon   | Guest  |
| Steeves   | Greg       | Guest  |
| Tanaka    | Troy       | Guest  |
| Tolcachir | Eduardo    | Guest  |
| Van Dreel | Cole       | Guest  |
| Viereck   | Karsten    | Guest  |
| Weiss     | Zachory    | Guest  |
| Welton    | Drew       | Guest  |
| Weyandt   | Paul       | Guest  |
| White     | Joe        | Guest  |
| Wright    | Jeffrey    | Guest  |
| Yeh       | Stanley    | Guest  |