

*Standards Subcommittee,  
WG – C57.152  
IEEE / PES Transformers Committee*

*October 27, 2019, 1:45 – 3:00 PM  
Hyatt hotel, Columbus, OH, USA  
**UNAPPROVED MINUTES***

A. Welcome

The chair, Marcos Ferreira opened the meeting at 1:45 PM. The secretary, Peter Werelius informed that he is recording the meeting for the aim of writing the minutes.

B. Circulation of Attendance Rosters

Attendance rosters circulated, the attendances were asked to write an M to be a member, and G to be a guest.

C. Attendance for Quorum

The RFID system registered 104 attendees. 48 attendees requested membership in circulated paper roster. This is the first meeting, all requesting membership accepted. All members except the vice chair Raka Levi present. Requirement for quorum was fulfilled.

D. Approval of Agenda

Wallace Binder made the motion to approve the agenda and Axel Kraemer second it. The group unanimously approved the agenda.

E. Call for Patents

The chair presented slide 1-4, dated January 2, 2018 informing the IEEE patent policy and participants duty to inform. There were no issues related to patent assurance brought up by attendees in the meeting.

F. IEEE Copyright Policy

The chair presented IEEE-SA Copyright Policy slides 1-2 informing the audience of the policy.

There was a quite bit discussion how the new policy for copyright would affect our new revision for C57.152 among the attendees such as Phil Hopkinson, Mario Locarno, Malia Zaman and Michelle Turner. This discussion involved how to handle the existing published documents (C57.152-2013 the last revision for guide).

Michelle cleared it out by informing that the WG responsibility follow the policy for all new material added to the document, and for already published material (e.g. C57.152-2013) IEEE-SA will make a review and request support from the WG if needed.

## G. Presentation of Title and Scope

The chair presented the approved Title and Scope. He made a comment that the WG later may change the term “liquid-filled” to “fluid-filled” in the title and scope.

Title: IEEE Guide for Diagnostic Field Testing of Fluid-Filled Power Transformers, Regulators, and Reactors

Scope: Diagnostic tests and measurements that are performed in the field on fluid-filled power transformers and regulators are described. Whenever possible, shunt reactors are treated in a similar manner to transformers. Tests are presented systematically in categories depending on the subsystem of the unit being examined. A diagnostic chart is included as an aid to identify the various subsystems. Additional information is provided regarding specialized test and measuring techniques. Interpretive discussions are also included in several areas to provide additional insight on the test or to provide guidance on acceptance criteria. These discussions are based on the authors’ judgment of accepted practice. It should be noted that the results of several types of tests should be interpreted together to diagnose a problem.

Manufacturers’ acceptance criteria should also be consulted as it may take precedence over the criteria in this guide.

## H. Volunteers reviewing the document, and suggest changes/additions

After quite a bit of discussion, the chair suggested to post the existing documents on the IEEE website, password protected for members of the WG only, to be reviewed and suggestions sent to chair no later than 6 weeks prior the Charlotte meeting. The chair and secretary will summarize suggestions and send out to members and guests together with agenda for Charlotte meeting, about two weeks prior the Charlotte meeting.

Wallace Binder submitted a proposal for modification of Table 1 at the meeting.

All members and guests feel free to review section of interest and send your suggestions.

Specifically, the following persons volunteered:

- Section 3 Definitions, and section 4 Purpose of tests
  - Dan Doors
  - Alwyn VanderWalt
- Section 5: Maintenance test and information
  - Timothy Raymond
  - Wallace Binder
  - Mario Locarno
  - Stephanie Denzer
- Section 6: Safety
  - Ali Naderian
  - James Cross
- Section 7 Test and Test Techniques and section 8 Diagnostic Chart, and Annexes
  - Charles Sweetser
  - Cornelius Plath
  - Mario Locarno
  - Ronald Hernandez
  - Niclas Gustavsson
  - Larry Christodoulou
  - James Cross

- Diego Robaldino
- Mario Alonso
- Poorvi Patel
- Samragni Dutta Roy
- Thomas Melle
- Florin Faur
- Marc Foata
- Rainer Frotscher (specifically section 7.4)

I. Adjournment

The meeting adjourned at 3:00 PM

Respectfully submitted,

Marcus Ferreira – Chair

Peter Werelius - Secretary