

Distribution Transformer Subcommittee

Task force / Working Group Report

Document #: C57.12.38

Document Title:

Standard for Pad-Mounted-Type, Self-Cooled, Single-Phase Distribution Transformers 250 kVA and Smaller; High Voltage, 34 500 GrdY/19 920 V and Below; Low Voltage, 480/240 V and Below
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Chair: Ali Ghafourian Vice-Chair Martin Rave

Secretary N/A

Pub. 2014

Current Draft Being Worked On: Rev Due: 12/31/24 Dated: N/A

Meeting Date: April 3, 2017 Time: 1:45 pm

Attendance:	Members	<u>19</u>
	Guests	<u>36</u>
	Total*	<u>55</u>

* For details of attendance, please refer to AMS system of the Transformers Committee

Meeting Minutes / Significant Issues / Comments:

The meeting was called to order at 1:45 p.m. by Ali Ghafourian.

A quorum was established with 19 of 27 working group members present.

The agenda for the meeting was presented and unanimously approved.

The minutes of the Fall 2016 meeting in Vancouver have been posted on the website since shortly after that meeting for the working group members to review. There were no suggested changes to the meeting minutes, and the meeting minutes were unanimously approved.

A call for essential patents was made as required using the statement provided in the general session. No essential patents were brought forward.

The Chair informed the working group members a complimentary PDF of the recently approved Corrigendum 1 had been e-mailed to them.

There was a discussion of proposed changes to be included in the next revision of the standard:

- The Chair proposed adding a table (Table 5) with minimum percent impedances identical to the table in C57.12.20.
- A question was raised as to why the Phase-to-Ground clearances in Table 2 were smaller than the Phase-to-nonhygroscopic insulating barrier clearances. It was noted that this was actually only true for the first three lines of the table. After comparing this table to the similar table in C57.12.34, it was determined that the first three lines should not have contained values. They should have been grayed out as in C57.12.34 to indicate that values are not applicable for these system voltages. This will be corrected.
- Giuseppe Termini presented a list of transformer accessories the Task Force developed for working group consideration to be included in the next revision of the standard. The transformer accessories discussed included an oil sightglass, fuses, liquid thermometer, HV tap changer, one inch drain plug, one inch fill plug, loadbreak switch, and arresters. Giuseppe Termini suggested following the same format used in C57.12.24 regarding transformer accessories in the next revision of C57.12.38. Steve Shull recommended the transformer accessories function and purpose be listed in an informative annex. Steve

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Shull highlighted, as an example, the difficulty in providing too much specificity regarding fuses because fuse TCC curves, transformer impedance, and system available fault current need to be taken into consideration.

- As a member of the transformer accessories Task Force, Giuseppe Termini stated he will issue a survey to working group members to solicit feedback on what transformer accessories should potentially be included in the next revision of the standard.
- Jerry Murphy offered a motion with a second from Martin Rave to change the last sentence of the Scope to “This standard does not cover all electrical and mechanical requirements of accessory devices that may be supplied with the transformer.”. This motion passed with unanimous consent.
- Steve Shull offered a motion with a second from Jerry Murphy for the Chair to apply for a PAR with the same Purpose as in the current revision of the standard and the revised Scope (per the bullet above) as discussed in the working group meeting. This motion passed with unanimous consent.

The Chair adjourned the meeting at approximately 2:45 pm. A meeting will be required for the Fall meeting.

Submitted by: Martin Rave

Date: 04/03/2017