

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

Current Draft Being Worked On: D1.2 Dated: N/A

Meeting Date: October 30, 2017 Time: 1:45 pm

Attendance:	Members	<u>23</u>
	Guests	<u>42</u>
	Total*	<u>65</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 call for essential patents was made as required using the statement provided in the general session. No essential patents were brought forward.

A quorum was established with 23 of 37 working group members present.

The agenda for the meeting was presented and unanimously approved.

The minutes of the Spring 2017 meeting in New Orleans 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.

The Chair informed the working group members the PAR has been approved and expires in December 2021. The most recent standard was published in August 2014, and the next revision is due in December 2024.

The Chair briefly reviewed revisions to the current draft, D1.2, previously approved by the Working Group:

- A new table (Table 5) was added to the standard with minimum percent impedance values to align with a similar table in C57.12.20.
- The column in Table 2 containing minimum electrical clearances for phase-to-non-hygroscopic insulating barrier was corrected and revised to align with C57.12.34.
- Table 4 regarding electrical characteristics for transformers with dual voltage ratings was added back to the standard. Previously, there was discussion as to the reason this table was removed from the standard. It was suggested the table may have been removed because of confusion regarding the proper fuse rating when the transformer is shipped by the manufacturer.

Giuseppe Termini presented the results of the responses from 20 end-users/utilities to the transformer accessories survey issued by the Task Force comprised of Wes Suddarth, Craig DeRouen, and Giuseppe Termini. The responses showed transformer accessory requirements varied significantly among the respondents. However, certain transformer accessories were almost unanimous requirements among the 20 respondents including some type of internal fuses.

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Steve Shull recommended the transformer accessories function and purpose be listed in an informative annex.

Donnie Trivitt offered a motion with a second from Kent Miller that any transformer accessories included in the Task Force survey not already described in the standard be listed and described in an informative annex. This motion passed with unanimous consent.

Tom Callsen offered a suggestion that a similar transformer accessories survey be issued to manufacturers to obtain more information on which accessories are more commonly specified in the industry.

The Task Force comprised of Wes Suddarth, Craig DeRouen, and Giuseppe Termini will issue a survey to a number of manufacturers collecting information on the percentage of transformers shipped with particular accessories gaining more insight to which accessories are more commonly specified in the industry.

The Chair requested volunteers to review the existing Figures in the standard and provide recommendations to increase the clarity. A Task Force comprised of Israel Barrientos, Jim Spaulding, and Mike Thibault agreed to review the existing Figures and make recommendations.

The Chair adjourned the meeting at approximately 2:45 pm.

Submitted by: Martin Rave

Date: 10/31/2017