

Distribution Transformer Subcommittee Task force / Working Group Report

Document #: PC57.12.34

Document Title:

Requirements for Pad-Mounted, Compartmental-Type, Self-Cooled, Three-Phase Distribution Transformers, 10 MVA and Smaller; High-Voltage, 34.5 Nominal System Voltage and Smaller; Low Voltage, 15kV Nominal System Voltage and Below
--

Chair: Ron Stahara Vice-Chair Stephen Shull

Secretary Scott Dahlke Per Cent Complete 70

Current Draft Being Worked On: 2.4 Dated: October 2018

Meeting Date: October 15, 2018 Time: 3:15 – 4:30

Attendance:	Members	<u>43</u>
	Guests	<u>39</u>
	Total*	<u>82</u>

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

Meeting Minutes / Significant Issues / Comments:

Steve Shull called the meeting to order and introductions were made. The rosters were circulated. The names of those in attendance are recorded in the AM system. To establish a quorum, a members list was displayed on the screen and those who saw their names were asked to stand. From the people standing, it was determined a quorum was established. Patent requesting slides were displayed and Steve Shull asked for any known patents to which no one responded. The agenda was presented and a motion to accept it was made by Gael Kennedy and seconded by Ed Smith. The motion was approved unanimously. The Spring 2018 minutes were presented and a motion was made to accept them by Gael Kennedy and seconded by Paul (John) Chisholm. The group approved the motion unanimously.

Steve Shull asked Carlos Gaytan to speak about the work in C57.12.39 and how it relates to this standard's Section 9.4.1. Carlos made several comments concerning the verbiage but acknowledged that the current C57.12.39 doesn't address negative pressures. He recommended that we leave this section as written, replacing only the word "distortion" with "deformation". Dan Mulkey made a motion, seconded by Jerry Murphy, to replace the word "distortion" in the text with the word "deformation". The motion was approved unanimously.

Steve Shull asked for comments on Section A.1 and none were offered by the Working Group.

Steve Shull asked for comments on Section A.2 and none were offered by the Working Group.

Steve Shull asked for comments on Section A.3. It was pointed out that there was an editorial issue. Steve Shull changed the word "show" to "shown". Steve Shull asked Jim Antweiler to explain his submitted comment: "...How was the selection of the accessories gathered for this Annex." He felt that there might be some missing accessories. The one for this section might include Vacuum Fault or Molded Vacuum Interrupter (VFI). Jim stated that VFIs are typically used when the current becomes too large for a fuse to be used. Dwight Parkinson commented that VFIs were not included in the Annex because the Annex was designed to list the more common components which have availability from multiple manufacturers. This last point was made as in-tank VFIs are currently available only from one manufacturer. Mike Thibault made a motion to include a new section in Annex for "VFI Protection" which was seconded by Gael Kennedy. Rhett Chrysler asked for a clarification concerning if the VFI section would be describing external or internal VFIs. Steve Shull clarified that the VFIs we were discussing would be internal. Rhett Chrysler made a friendly amendment to the motion to add "Internal" before

Distribution Transformer Subcommittee Working Group Report

“VFI Protection”. Mike Thibault accepted the friendly amendment. The motion failed with 17 votes in opposition and 3 in favor. All of the other members abstained.

One of the working group asked if the Overcurrent Protection table in A.3 should be shown in order of commonality of use. Steve Shull proposed a statement at end of Section A.3 to state that there would not be any preference in their listing. After seeing this statement, Tom Callsen made a motion to accept it as written. This was seconded by Gael Kennedy. Jerry Murphy proposed a friendly amendment to modify wording to “The order of listing in Table A.1 does not represent any preference nor is this a complete list.” Tom Callsen accepted the friendly amendment to the original wording. The motion was approved unanimously. Carlos Gaytan made a motion, seconded by Jerry Murphy, to change wording from “...transformer cabinet...” to “...transformer compartment...”. The motion passed unanimously. Gary King made a motion to change wording from “External accessible fuse points *will...*” to “External accessible fuse points *may...*” which was seconded by Jeremy Van Horn. During the discussion of this motion, one of the working group commented on the placement of the “F1, F2, and F3” labels. This was discussed based on nameplate marking as well as customer requirements. One user stated that his company would require the labels for “F1, F2, and F3” as marked on the nameplate. A manufacturer stated that most of transformers supplied by his company are not required by the users to provide with these. There was some discussion for and again these marking labels using these arguments. The motion was called to question and the motion failed.

Rhett Chrysler made a motion, seconded by Alex Macias, to separate the labels area of the current Section A.3.1 into a different section and call this section “LABELING”. One user shared what IEC stated about labeling. The motion passed with 3 abstentions. Steve Shull separated Section A.3.1 and renamed it, “Labeling” in the draft.

Following this same example, he separated the later part of Section A.3.1 to “Accessibility and Operational Considerations” as agreed to by the working group.

As we were running out of time, Steve Shull asked for general comments on any hot issues in the Annex. One person offered a comment concerning the content in Annex A as it seemed to be too specific and maybe it should be more general.

The next meeting of the Working Group will be in the Spring 2019 Anaheim meeting.

Being out of time, Steve Shull adjourned the meeting at approximately 4:30 pm.

Submitted by: Scott Dahlke

Date: 10/16/2018