

Distribution Transformer Subcommittee

Task force / Working Group Report

Document #: C57.12.20

Document Title:

Standard for Overhead Type Distribution Transformers, 500 kVA and Smaller, High-Voltage 34 500 Volts and Below; Low-Voltage, 7970/13 800 Y Volts and Below

Chair: Al Traut Vice-Chair: Ed Smith

Secretary: Ed Smith

Current Draft Being Worked On: D5 Dated: 04/2017

Meeting Date: 04/03/2017 Time: 11:00am – 12:15pm

Attendance:	Members	<u>27</u>
	Guests	<u>42</u>
	Total*	<u>69</u>

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

Meeting Minutes / Significant Issues / Comments

The patent policy was reviewed and upon asking for essential patents none were brought forward.

Based on the WG members listed on the roster and projected at the meeting a quorum was declared after a count was made.

The Chair asked if any member objected to the proposed agenda as displayed to the Working Group. No objections were brought forward so the agenda was approved as submitted.

The Chair asked if any member objected to the F16 (Vancouver BC, CANADA) minutes as submitted to the Working Group. No objections were brought forward; therefore, the F16 Minutes were unanimously approved.

The basic work at this meeting was to continue to review and address all comments received from the initial ballot as detailed below.

- Clause 7.5
 - Comment that Lifting Lugs should be moved to this section based on the 5-times safety factor
 - Recommendation by Chair to remain as is for now and considered for the next revision.
- Clause 7.5.4.3
 - Grounding connection only applies to the 120/240 connection for clarification
- Section 9.6
 - Replaced oil with liquid for clarification
- Table 3
 - No content changes only minor changes for clarification
 - Use of delta symbol to differentiate from "Y"
- Tables:
 - Based in comment Al adjust the format for consistency table to table on voltages
- Figure 1 & 2
 - Changed maximum voltage for 95BIL applications from 12,000 to 13,800v.
 - Comment on 30" creep bushings was rejected as this is outside the scope of this standard.

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- Figure 6
 - Eliminate note “e”
- Figure 7
 - Eliminate note “e”
- Figure 9
 - The word “two” was added in the description for clarification
- Figure 10
 - Item 4 the hand hole provision was missing. Added it to be consistent with the other Figures
- Figure 12
 - Item 4 was missing again
- Figure A1
 - Note 4 - Added the previous requirements for the “C” support lug.
 - Note 6 – Added tolerance information

With all comments reviewed and resolved, a motion made by Steve Shull and seconded by Ron Stahara to approve all resolved comments and move forward with the recirculation ballot of D5. Motion passed unanimously.

There were a few others items that were captured to place on the list for future consideration.

- Review low voltage grounding as may be shown in Figure 10
- Look at the “T” (Scott Connected Transformer) connection for the three phase transformer connection
- Review the proximity of the lifting lugs to the low voltage bushings as referred to in Section 7.2.4

The next meeting will be held October 2017 in Louisville, KY. The meeting adjourned at 11:43am.

Submitted by: Ed Smith

Date: 4/5/2017