

# Distribution Transformer Subcommittee Task Force / Working Group Report

Document #: C57.12.38

Document Title: IEEE 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

Chair: Ali Ghafourian Vice-Chair Martin Rave

Secretary Jarrod Prince

Current Pub. 2014  
Rev. Due 12/31/2024

Current Draft Being Worked On: D2.6 Dated: March 2022

Meeting Date: March 28, 2022 Time: 1:45 – 3:00 p.m. MST

Meeting Location: Denver, CO (USA)

Attendance:	Members	<u>30</u>
	Guests	<u>12</u>
	Total	<u>42</u>

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## Meeting Minutes / Significant Issues / Comments:

- 1. Presiding Officer and Secretary responsible for Meeting Minutes**  
Ali Ghafourian (Chair) – Presiding Officer and Jarrod Prince (Secretary) are responsible for Meeting Minutes.
- 2. Call to order, Verification of Quorum, and Chair's remarks**  
The meeting was called to order by the Chair, Ali Ghafourian, at 1:47 p.m. MST on Monday, March 28<sup>th</sup>, 2022, held at the Hyatt Regency Denver at Colorado Convention Center in room, Centennial H.  
Quorum was established with 30 out of 59 Working Group members present by a show of hands counted and verified by paper rosters.  
The Chair announced that a two-year PAR extension through the end of 2023 was requested and approved. The current Draft is ready for the Working Group to vote on to go to ballot based on all the corrections that were brought forth during the Fall 2021 Virtual Meeting. After the Draft review of the corrections made a vote will be taken which requires 2/3 majority of Members present (minimum of 20 voting Members' approval to pass).
- 3. Presented required IEEE SA Patent and Copyright Policies Slides, Call for Patents**  
The essential Patent and Copyright presentation slides were shown as required. During the review of the Patent slides, the Chair called for any Patents amongst the Working Group. No Patent claims were brought forth to the Chair.
- 4. Approval of agenda**  
The agenda (AGENDA C57.12.38 March 28-2022 Denver CO (R1).pdf) was issued to the Working Group prior to the meeting for review.  
Stephen (Steve) Shull made the first Motion to approve the agenda.  
Kenneth (Ken) Hampton seconded the Motion.

## **Distribution Transformer Subcommittee Task Force / Working Group Report**

The Chair asked the Working Group members for the unanimous approval of the agenda and the agenda was unanimously approved.

### **5. Approval of minutes of previous meeting**

The Fall 2021 Virtual meeting minutes (F21-C57.12.38-UnapprovedMinutesR1.pdf) were posted to the Distribution Subcommittee website after the meeting for the Working Group members to review.

Michael (Mike) Thibault made the first Motion to approve the Fall 2021 meeting minutes. Avijit Shingari seconded the Motion.

The Chair asked the Working Group members for the unanimous approval of the Fall 2021 Virtual meeting minutes and the meeting minutes were unanimously approved.

### **6. Draft review**

The latest draft, D2.6 (C57 12 38 D2.6 Mar 2022(Comments).pdf), was reviewed with the Working Group. This draft included all the changes brought forth during the Fall 2021 Virtual Meeting and had been posted to the Distribution Transformers Subcommittee website prior to this meeting for the Working Group to review. The main discussion during the meeting was over the newly added section to Annex A that covered Fault Indicators. Due to this section being incomplete based on recommendations from the Working Group the Task Force on Internal Components for Annex A lead by Craig DeRouen will provide updated content for this section before the Working Group votes to go to ballot. John Vartanian, Kenneth (Ken) Hampton, and Jeffrey (Jeff) Schneider volunteered to join the current members of this Task Force to assist in updating this section.

Stephen (Steve) Shull and Daniel (Dan) Mulkey suggested all changes within the current draft be fixed and then be submitted to MEC (Mandatory Editorial Coordination) for approval before the Working Group votes on the Draft to go to ballot. The Chair agreed, therefore before the Fall 2022 meeting the Working Group plans on completing all changes to the Draft, submit to MEC for approval, get 2/3 of the Work Group Members to approve the Draft to take to ballot, and seek approval from the Distribution Transformers Subcommittee to go to ballot prior to Fall 2022 Meeting in Charlotte.

### **7. Old Business**

Bruce Webb reported (Update C57.12.38 TF Tank Touch Temperature.docx) for the Task Force on Tank Touch Temperature stating that a parallel Task Force within the Enclosure Integrity WG was formed to develop a "Safety Warning" that might be implemented within their Standard to address User concerns without requiring more formal Standard changes or additions. This proposed Safety Warning will be presented at the Enclosure Integrity meeting for consideration by their Working Group. This meeting be held at 8:00 a.m. MST Tuesday, March 29<sup>th</sup>, 2022, in Centennial D-E Rooms.

### **8. New Business**

No new business items were brought forth to the Working Group during the meeting.

### **9. Next meeting – Date and Location**

The Chair announced the Working Group will meet at the Fall 2022 meeting in Charlotte, North Carolina (USA).

Dates: October 16<sup>th</sup> – 20<sup>th</sup>, 2022

### **10. Adjournment**

The Chair adjourned the meeting at approximately 2:28 p.m. MST.

## Distribution Transformer Subcommittee Task Force / Working Group Report

**List of Attendees, Affiliations, Membership Status:**

\*\* 3 New Members were introduced to the Working Group. 1 of the 3 didn't attend this meeting.

\* A total of 3 guests requested Working Group membership which will be reviewed to determine who is eligible for membership before the Fall 2022 meeting.

1	John Chisholm	IFD Corporation	Member
2	Michael Dahlke	Central Moloney, Inc.	Member
3	Craig DeRouen	ERMCO	Member
4	Carlos Gaytan	PROLEC GE	Member
5	Ali Ghafourian (Chair)	H-J Enterprises, Inc.	Member
6	Kenneth Hampton	Baltimore Gas & Electric	Member
7	Ramadan Issack	American Electric Power	Member
8	Andrew Larison	Hitachi Energy	Member
9	Angela Leigl	EATON Corporation	Member
10	Kent Miller	T&R Electric Supply Co.	Member
11	Michael Morgan	Duke Energy	Member
12	Daniel Mulkey	Mulkey Engineering Inc	Member
13	Dwight Parkinson	EATON Corporation	Member
14	Jarrold Prince (Secretary)	ERMCO	Member
15	Robert Reepe**	Georgia Power Co.	Member
16	Jeffrey Schneider**	Power Partners	Member
17	Avijit Shingari	PEPCO Holdings Inc.	Member
18	Stephen Shull	BBC Electrical Services, Inc.	Member
19	Audrey Siebert-Timmer	IFD Corporation	Member
20	James Spaulding	Fort Collins Utilities	Member
21	Markus Stank	Maschinenfabrik Reinhausen	Member
22	Eric Theisen	Metglass, Inc.	Member
23	Michael Thibault	Pacific Gas & Electric	Member
24	Reinaldo Valentin	Duke Energy	Member
25	John Vartanian	National Grid	Member
26	Joshua Verdell	ERMCO	Member
27	Pragnesh Vyas	Sunbelt-Solomon Solutions	Member
28	Shelby Walters	Howard Industries	Member
29	Bruce Webb	Knoxville Utilities Board	Member
30	Alan Wilks	Consultant	Member
31	Jared Bates*	Oncor Electric Delivery	Guest
32	Rhett Chrysler	ERMCO	Guest
33	Anthony Coker	M&I Materials	Guest
34	Thomas Dauzat	PROLEC GE	Guest
35	Herton DeOliveira Filho	PSE&G	Guest
36	Cgsar Diaz	EATON Corporation	Guest
37	Hector Garza	Orto de Mexico	Guest
38	Martin Munoz Molina	Orto de Mexico	Guest
39	Daniel Posadas	PROLEC S.A. DE C.V.	Guest
40	Albert Sanchez*	Knoxville Utilities Board	Guest
41	Stefan Schindler	Maschinenfabrik Reinhausen	Guest
42	Liz Sullivan*	Dominion Energy	Guest

Submitted by: Ali Ghafourian (Chair) and Jarrold Prince (Secretary)

Date: Tuesday, March 29, 2022