

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: D2.5 Dated: September 2021

Meeting Date: November 15, 2021 Time: 12:55 pm CDT

Meeting Location: Webex Virtual Meeting

Attendance:	Members	<u>36</u>
	Guests	<u>21</u>
	Total*	<u>57</u>

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

Meeting Minutes / Significant Issues / Comments:

- 1. Presiding Officer and Secretary responsible for Meeting Minutes**
Ali Ghafourian (Chair) – Presiding Officer
Martin Rave (Vice-Chair) and Jarrod Prince (Secretary) are responsible for Meeting Minutes.
- 2. Call to order, Verification of Quorum, and Chair's remarks**
The virtual meeting was called to order by the Chair, Ali Ghafourian, at 12:55 p.m. CDT on Monday November 15th, 2021.
Quorum was established with 29 out of 57 Working Group members present per poll results generated. Actual Member attendance was 36 per Attendees spreadsheet (Attendees.xlsx) provided by ENCORE rep at end of meeting.
The Chair announced the active PAR expires at the end of 2021, and a two-year PAR extension through the end of 2023 was requested and is awaiting approval.
- 3. Presented required IEEE SA Patent and Copyright Policies Slides, Call for Patents**
The essential Patent presentation slides were shown. Then, the Chair called for Patents amongst the Working Group in which there was none that were brought forward to the Chair. Also, the Copyright presentation slides were shown as required.
- 4. Approval of agenda**
The agenda was issued to the Working Group prior to the meeting for review. The agenda was unanimously approved.
- 5. Approval of minutes of previous meeting**
The Spring 2021 meeting minutes (S21-C57.12.38-UnapprovedMinutesR3.pdf) were posted to the Distribution Subcommittee website after the meeting for the Working Group members to review. The Spring 2021 meeting minutes were unanimously approved.

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6. Draft review

The latest draft, D2.5 (C57 12 38 D2.5 Sept 2021(Comments).pdf), of proposed revisions to C57.12.38 was reviewed with the Working Group. A review will be performed of the notes for the tables/figures of the proposed Draft to determine whether the notes should be included inside the table (informative) or outside the table (normative). No figures or sketches of the accessories described in Annex A will be included due to potential copyright issues. Section A.2.3 of Annex A – “Bay-O-Net” may need to be removed and changed to “Bayonet” due to copyright (Jerry Murphy) and Section A.9 – Remove reference to Drain Valve NPT size due to different sizes readily available (Ali Ghafourian). Also, Jeff Schneider asked if the WG is considering adding Fault Indicators within Annex A. This was noted to be reviewed for possible inclusion into Annex A in the next draft revision. The latest draft, D2.5, will be revised based on the comments noted during the meeting and then posted to the Distribution Subcommittee website for Working Group to review. A special Working Group meeting will be scheduled prior to the Spring 2022 meeting to vote on a motion (requiring a 2/3 majority for approval) for submitting the latest draft document to the Subcommittee for approval to go to ballot.

7. Old Business

Jeremy Van Horn reported for the Tank Touch Temperature Task Force stating the issue of tank touch temperature is being considered for inclusion by the Enclosure Integrity Working Group, but no final decision has been reached as to which Working Group is most appropriate to address this issue.

8. New Business

No new business items were raised during the meeting.

9. Next meeting – Date and Location

The Chair announced the Working Group will meet at the Spring 2022 meeting in Denver, CO (USA) or by Webex Virtual meeting.
Dates: March 27th – 31st, 2022

10. Adjournment

The Chair adjourned the meeting at approximately 1:45 p.m. CDT.

List of Attendees, Affiliations, Membership Status:

** 6 New Members were introduced to the Working Group. 1 of the 6 didn't attend this meeting.

* A total of 2 guests requested Working Group membership which will be reviewed to determine who is eligible for membership before the Spring 2022 meeting.

1	Ali Ghafourian (Chair)	H-J Enterprises, Inc.	Member
2	Martin Rave (Vice-Chair)	ComEd	Member
3	Jarrod Prince (Secretary)	ERMCO	Member
4	Jerry Allen	Metglas, Inc.	Member
5	Angela Amador**	EATON Corporation	Member
6	John Chisholm	IFD Corporation	Member
7	Michael Dahlke	Central Moloney, Inc.	Member
8	Benjamin Garcia**	Southern California Edison	Member
9	Carlos Gaytan	Prolec GE	Member
10	Said Hachichi	Hydro-Quebec	Member
11	Kenneth Hampton	Baltimore Gas & Electric	Member
12	Ramadan Issack	American Electric Power	Member
13	Gael Kennedy	GR Kennedy & Associates LLC	Member
14	Andrew Larison**	Hitachi Energy	Member
15	Alejandro Macias**	CenterPoint Energy	Member
16	Kent Miller	T&R Electric Supply Co.	Member
17	Michael Morgan	Duke Energy	Member
18	Daniel Mulkey	Mulkey Engineering Inc.	Member
19	Jerry Murphy	Reedy Creek Energy Services	Member

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Continued List of Attendees, Affiliations, Membership Status:

20	Dwight Parkinson	EATON Corporation	Member
21	Chris Pitts	Howard Industries	Member
22	Juan Ramirez	CELECO	Member
23	Avijit Shingari**	Pepco Holdings Inc.	Member
24	Stephen Shull	BBC Electrical Services, Inc.	Member
25	Igor Simonov	Toronto Hydro	Member
26	Edward Smith	H-J Family of Companies	Member
27	Markus Stank	Maschinenfabrik Reinhausen	Member
28	Eric Theisen	Metglas, Inc.	Member
29	Michael Thibault	Pacific Gas & Electric	Member
30	Reinaldo Valentin	Duke Energy	Member
31	Jeremy Van Horn	IFD Corporation	Member
32	John Vartanian	National Grid	Member
33	Joshua Verdell	ERMCO	Member
34	Shelby Walters	Howard Industries	Member
35	Bruce Webb	Knoxville Utilities Board	Member
36	Alan Wilks	Consultant	Member
37	Rehan Ali	Siemens Energy	Guest
38	Glenn Andersen	Fayetteville PWC	Guest
39	Gregory Ante	Southern California Edison	Guest
40	Jared Bates	Oncor Electric Delivery	Guest
41	Rhett Chrysler	ERMCO	Guest
42	Michael Gonzales	Southern California Edison	Guest
43	David Holland	ExxonMobil	Guest
44	Rosamise Magee	PSE&G	Guest
45	Terence Martin	MarVen	Guest
46	Manoj Kumar Mishra	ASAsoft (Canada) Inc	Guest
47	Martin Munoz Molina	Orto de Mexico	Guest
48	Lesther Alex Quispe Cuadrado*	EATON Corporation	Guest
49	Robert Reepe*	Georgia Power Co.	Guest
50	Mahesh Sampat	EMS Consulting Inc.	Guest
51	Albert Sanchez	Knoxville Utilities Board	Guest
52	Jeffrey Schneider	Power Partners/Spire Power Solutions	Guest
53	Adrian Silgado	IFD Corporation	Guest
54	Katrina Swanson McLeod	Southern Nuclear	Guest
55	Timothy Tillery	Howard Industries	Guest
56	Christopher Whitten	Hitachi Energy	Guest
57	Malia Zaman	IEEE	Guest

Submitted by: Martin Rave and Jarrod Prince

Date: 11/16/2021