

Document #: C57.12.20

Document Title: OVERHEAD DISTRIBUTION TRANSFORMERS

Chair: AL TRAUT Vice-Chair Ed Smith

Secretary Kendrick Hamilton Per Cent Complete 0

Current Draft Being Worked On: D6 Dated: November 2021

MONDAY,

Meeting Date: November 15, 2021 Time: 10:50 AM CST

Attendance:	Members	<u>33</u>
	Guests	<u>28</u>
	Total*	<u>61</u>

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

Meeting Minutes / Significant Issues / Comments:

The minutes shall record the essential business of the Working Group, including the following items at a minimum:

1. Call to order
The meeting was called to order by the Chair (Al Traut) at 10:50AM CST on Monday, November 15, 2021.
2. Confirmation of the essential patent statement and responses
There was a call for essential patent by the Chair. There were none brought forward. The Chair announced if there was one to let the Chair or Vice Chair know.
3. Quorum Verification
A members list was displayed, and members were asked to complete digital poll. **33** of **54** members were present. A Quorum was declared. Attendance is recorded below.

	Role	First Name	Last Name	Company
1	Guest	Rehan	Ali	Siemens Energy
2	Member	Jerry	Allen	Metglas, Inc.
3	Member	Angela	Amador	EATON Corporation
4	Member	Glenn	Andersen	Fayetteville PWC
5	Guest	Gregory	Ante	Southern California Edison
6	Guest	Edmundo	Arevalo	Bonneville Power Administration
7	Guest	Kevin	Biggie	Weidmann Electrical Technology
8	Member	Darren	Brown	Howard Industries
9	Member	John	Chisholm	IFD Corporation
10	Member	Rhett	Chrysler	ERMCO
11	Guest	Craig	Colopy	EATON Corporation
12	Member	Michael	Dahlke	Central Moloney, Inc.
13	Member	Benjamin	Garcia	Southern California Edison
14	Guest	James	Gardner	SPX Transformer Solutions, Inc.
15	Member	Carlos	Gaytan	Prolec GE
16	Member	Ali	Ghafourian	H-J Enterprises, Inc.
17	Guest	Michael	Gonzales	Southern California Edison
18	Member	Said	Hachichi	Hydro-Quebec

19	Secretary	Kendrick	Hamilton	Power Partners, Inc.
20	Member	Kenneth	Hampton	Baltimore Gas & Electric
21	Member	Ramadan	Issack	American Electric Power
22	Member	Gael	Kennedy	GR Kennedy & Associates LLC
23	Guest	Evan	Knapp	EATON Corporation
24	Guest	Andrew	Larison	Hitachi Energy
25	Guest	Rosamise	Magee	PSE&G
26	Guest	Jinesh	Malde	M&I Materials Inc.
27	Guest	Zachary	Millard	Great River Energy
28	Guest	Philip	Miller	Memphis Light, Gas & Water
29	Guest	Manoj Kumar	Mishra	ASAsoft (Canada) Inc
30	Member	Michael	Morgan	Duke Energy
31	Guest	Martin	Munoz Molina	Orto de Mexico
32	Member	Dwight	Parkinson	EATON Corporation
33	Guest	Chris	Pitts	Howard Industries
34	Member	Jarrood	Prince	ERMCO
35	Guest	Lesther Alex	Quispe Cuadrado	EATON Corporation
36	Guest	Ion	Radu	Hitachi Energy
37	Member	Juan	Ramirez	CELECO
38	Member	Martin	Rave	ComEd
*39	Guest	Robert	Reepe	Georgia Power Co.
40	Guest	Mahesh	Sampat	EMS Consulting Inc.
*41	Guest	Albert	Sanchez	Knoxville Utilities Board
42	Guest	Alan	Sbravati	Cargill, Inc.
*43	Guest	Jeffrey	Schneider	Power Partners/Spire Power Solutions
*44	Guest	Avijit	Shingari	Pepco Holdings Inc.
45	Member	Stephen	Shull	BBC Electrical Services, Inc.
46	Member	Audrey	Siebert-Timmer	IFD Corporation
47	Guest	Adrian	Silgado	IFD Corporation
48	Member	Igor	Simonov	Toronto Hydro
49	Vice-Chair	Edward	Smith	H-J Family of Companies
50	Guest	Kerwin	Stretch	Siemens Energy
51	Member	Eric	Theisen	Metglas, Inc.
52	Member	Michael	Thibault	Pacific Gas & Electric
53	Guest	Timothy	Tillery	Howard Industries
54	Chair	Alan	Traut	Howard Industries
55	Member	Reinaldo	Valentin	Duke Energy
56	Member	Jeremy	Van Horn	IFD Corporation
57	Member	John	Vartanian	National Grid
58	Member	Joshua	Verdell	ERMCO
59	Guest	Shelby	Walters	Howard Industries
60	Member	Bruce	Webb	Knoxville Utilities Board
61	Member	Alan	Wilks	Consultant

*4 guests requesting membership. All meet attendance requirements and will be added as members during the next meeting.

4. Approval of agenda for this meeting
The Chair sent out the Agenda prior to the meeting for review. Agenda was approved without any opposition.
5. Approval of minutes of the previous meeting
The Chair sent out the minutes prior to the meeting for review. Minutes were approved without any opposition.
6. Chair Report
The Chair announced the active PAR expires in 2023.

7. Old Business

No old business

8. New Business

- a. Discussion: Annex B regarding Cover Dielectric Testing
 - i. Al Traut presented photos from Howard Industries during preliminary testing using new fixture/method
 - ii. Steve Shull noted that the photos shown did not include bushings on a finish unit. Al pointed out this test would most likely be done as quality control by manufacturers to ensure no issues before units may be finished
- b. Discussion: Annex B Table B.1
 - i. Steve reminds the group that notes included within the table are "informative" and can easily be changed. Notes outside of the table become part of the document
 - ii. Al questions the intent for the 10kV test voltage for the 1.0" clearance area for 2400/4160Y. Josh Verdell who helped create the chart suggests changing the clearance to 2.5". Steve agrees. No vote necessary.
- c. Discussion: Annex B Section B.2.4
 - i. Al questions the 3 minute duration of the test. Bruce Webb of KUB states his requirement, "Covers shall have a minimum electrical withstand rating of 8 kV, 60 Hz for one (1) minute without failure."
- d. Discussion: Adding "120" secondary rating to the standard
 - i. Tables that would need to be modified: 2, 7, and 9
 - ii. Al and Kendrick will work on a draft to be presented in the next meeting

9. Next meeting--date and location

The Next meeting will be the 2022 Spring: March 27 – 31, 2022; Denver (Hyatt Regency, Conv. Center), Colorado USA

10. Adjournment

The meeting was adjourned at 11:39 AM CST

Submitted by: Kendrick Hamilton

Date: 15/11/2021