

Distribution Transformer Subcommittee

Task force / Working Group Report

Document #: PC57.19.02

Document Title: Standard for Design and Performance Requirements for Bushings Applied to Liquid Immersed Distribution Transformers

Chair: Steve Shull Vice-Chair Ed Smith
 Secretary Rhett Chrysler Percent Complete 90

Current Draft Being Worked On: D2.1 Dated: March 2022

Meeting Date: March 29, 2022 Time: 11:00 am – 12:15 pm

Attendance:

NAME	Affiliation	M or G
Alan Wilks	Consultant	M
Albert Sanchez	Knoxville Utilities Board	G
Alex Alahmed	Everg - Wolf Creek	G
Alex Doutrepepont	Siemens Energy	G
Ali Ghafourian	H-J Enterprises, Inc.	M
Angela Leigl	EATON Corporation	G
Barry Beaster	H-J Family of Companies	M
Christopher Witten	Hitachi Energy	G
Clemens Reiss IV	Custom Materials, Inc.	M
Craig DeRouen	ERMCO	M
Daniel Posados	Prolec SA de CV	G
Daniel Sauer	EATON Corporation	M
Darren Brown	Howard Industries	M
Gary King	Howard Industries	G
Hugo Flores	Hitachi Energy	M
James Spaulding	Fort Collins Utilities	M
Jared Bates	Oncor Electric Delivery	G
Jeffrey Door	H-J Family of Companies	G
Jennie Aldenlid	Hitachi Energy	G
Jonathan Deverick	Dominion Energy	G
Jose Gamboa	H-J Family of Companies	M
Joshua Verdell	ERMCO	M
Kendrick Hamilton	Power Partners, Inc.	M
Kyle Heiden	EATON Corporation	M

NAME	Affiliation	M or G
Lee Matthews	Howard Industries	G
Marek Kornowski	Polycast International	M
Michael Dahlke	Central Moloney, Inc.	M
Michael Hardin	H-J Enterprises, Inc.	M
Michael Morgan	Duke Energy	M
Mubarak Abbas	Siemens Energy	G
James Spaulding	Fort Collins Utilities	M
Stephen Shull	BBC Electrical Services, Inc.	CHR
Pam Edwards	Art Advertising, Inc.	G
Parminder Panesar	Virginia Transformer Corp.	G*
Ramadan Issack	American Electric Power	M
Reinaldo Valentin	Duke Energy	M
Rhett Chrysler	ERMCO	SEC
Rich Frye	Eaton	G
Robert Reepe	Georgia Power Co.	M*
Scott Digby	Duke Energy	G
Shelby Walters	Howard Industries	M
Som Sanjib	Pennsylvania Transformers	G
Stefan Schindler	Maschinenfabrik Reinhausen	G
Timothy Tillery	Howard Industries	M
Troy Tanaka	Burns & McDonnell	G
Weijun Li	Braintree Electric Light Dept.	M

Distribution Transformer Subcommittee Working Group Report

Meeting Minutes:

The chair called the meeting to order at 11:00 am.

Attendance is included in table above

- 47 total
- 25 members
- 22 guests
 - *2 guests requested membership; requests were rejected to due document being in ballot status

Quorum was not established, 25/59 (42%) members participating.

The chair presented the agenda. The agenda could not be approved by the working group since quorum was not established.

The chair presented the minutes from the Fall 2022 meeting. The minutes could not be approved by the working group since quorum was not established.

The chair presented the IEEE SA slides for Essential Patent Claims.

The chair provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of that standard. None were identified.

The chair presented the IEEE SA Copyright Policy.

Old Business

Review status of the Ballot

- The Ballot is still in process and closes on April 02, 2022
- To date, 278 comments have been formally submitted, additional comments were submitted via an attached file resulting in 290 comments to date
 - 218 editorial
 - 15 general
 - 57 technical
- Of the 290 submitted comments, 225 were marked as much be satisfied

New Business

Comment Resolution Group

The chair asked for 4 volunteers to form a ballot comment resolution group. Steve Shull, Rhett Chrysler, Barry Beaster, and James Spaulding volunteered to be members of the comment resolution group.

The chair will submit an email ballot to ask the working group members to give the comment resolution group the permission and authority to provide final resolution of all comments so that the working group can proceed to a recirculation ballot as soon as the group's work is completed. Any comments that the comment resolution group cannot address with a consensus will be brought back to the working group for resolution.

Barry Beaster expounded on his ballot comments regarding max current interrupt ratings to the working group by referencing IEC 60137 100 kA requirements vs. IEEE C57.12.00 63 kA (Distribution) and 80 kA (Power) requirements.

The chair clarified that any suggested additions that are not resolved via the comment resolution group would be considered for the next PAR cycle.

No other new business was brought forward.

Meeting was adjourned at 11:30 am.

Next meeting is scheduled for the Fall 2022 Transformer Committee meeting in Charlotte, NC.

Submitted by: Rhett Chrysler

Date: 03/29/2022