

IEEE Transformers Committee
C57.12.40
Secondary Network Transformer Working Group

Fall 2021 Virtual Meeting Minutes
WebEx

10:50 AM CST November 16, 2021

Members Present

Dave Blew (Chair)
Dan Schwartz (Secretary)
Piotr Blaszczyk
Tom Dausat
Larry Dix
William Elliott
Mark Faulkner
Brad Kittrell
Brian Klaponski
Alejandro Macias
Dan Mulkey
George Payerle
James Ratty
Pedro Salgado
Avijit Shingari
Igor Simonov
Adam Sewell
Jeremy Sewell
Travis Spooone
John Vartanian

Company

Consultant (Retired PSE&G)
Quality Switch
Specialty Transformer Components
Prolec GE
Quality Switch
Prolec GE
Eaton Corporation
Consolidated Edison Co. of NY
Carte International Inc
CenterPoint Energy
Mulkey Engineering Inc.
Carte International Inc.
Richards Manufacturing Co.
Electronic Technology Inc.
Pepco
Toronto Hydro
Quality Switch
Quality Switch
Eaton Corporation
National Grid

Guests Present

Jerry Allen
Nabi Almeida
John Crouse
Rob Ghosh
Ken Hampton
Jack Harley
John Herron
Tiffany Lucas
Rosamisa Magee
Aaron Meyers
Vinay Patel
Tony Reiss
Jonathan Sinclair
Bill Whitehead
Mike Zarnowski
*Requested Membership

Company

Metglas, Inc
Prolec GE USA
Roswell Alliance
General Electric
Baltimore Gas & Electric
First Power Group LLC
Raytech USA
Prolec GE - Waukesha
PSE&G
Eaton Corporation
Consolidated Edison Co. of NY
Custom Materials, Inc
PPL Electric Utilities
H2scan
Carte International Inc.

- 1) The group met on Tuesday, November 16, 2021 at 10:50 AM CST with 20 members and 15 guests. Zero (0) guests requested membership. Quorum was achieved with 20/29 (69%) of members present.
- 2) A call for patents was made; none were mentioned.
- 3) Copyright requirements were reviewed by the Chair.
- 4) An agenda was presented for approval. Motion to approve was made by Jeremy Sewell and seconded by Brian Klaponski. The agenda was approved unanimously.
- 5) The minutes of the April 27, 2021, meeting on WebEx were reviewed. A motion to approve was made by Adam Sewell and seconded by Mark Faulkner. The minutes were approved unanimously.
- 6) The Chair reviewed that the PAR was approved and became active May 21, 2019 and expires December 31, 2023.
- 7) Old Business - The Chair reviewed the previous meetings list of topics to be addressed in the next revision of C57.12.40 and the following items were discussed:
 - a. **Primary Switch Testing** - Cory Morgan (Eversource) previously expressed interest in reviewing and updating wording in the primary switch testing section (Section 6.2) of the standard to provide clarity to the test requirements. Cory will most likely no longer be attending transformer committee meetings. Larry Dix (Quality Switch) agreed to discuss proposed changes with Cory and provide input prior to the next meeting.
 - b. **Update of Tables 8 & 9** – Tables 8 & 9 were reviewed. The group approved a proposal to remove the other liquids section of both tables and combine into a single table with both millimeter and inch dimensions. Dan Schwartz (Quality Switch) and Dave Blew (Consultant) have agreed to develop the new table and present at the next meeting for approval.
 - c. Dave Blew is waiting for feedback from PSE&G about the current usage of fluids in transformers to determine if utilities are still using fluids other than mineral oil and ester fluids.
 - d. **Tank and Throat Sizing** – The removal of Table 7 and updating of wording in Section 5.6 were discussed. Dan Schwartz (QS) Dave Blew (Consultant), Mike Zarnowski (Carte International) and Igor Siminov (Toronto Hydro) have agreed to develop and update Section 5.6, Table 7, and potentially Figures 3 & 4 for discussion and approval at the next meeting.
 - e. **Bushing Standardization** – Mike Zarnowski (Carte) provided some discussion on his review of potentially providing standardization of bushings in the standard. Will Elliott (Prolec GE), Mike Zarnowski (Carte), John Vartanian (National Grid), Alex Macias (CenterPoint Energy), Dave Blew (Consultant), and Dan Schwartz (QS) agreed to review the standard and provide proposed updates on bushing standardization for review and approval in the Spring 2022 meeting.
 - f. **Cathodic Protection and Corrosion** – The work of the corrosion TF was discussed. The group decided to wait for the corrosion task force’s future direction to be determined. The working group’s path forward will be determined by that outcome.
 - g. **C57.12.24 vs C57.12.40** – Mike Zarnowski (Carte), Brad Kittrell (Consolidated Edison), Dave Blew (Consultant) and Dan Schwartz (QS) agreed to develop updates based on previous comparisons and present at future meetings for discussion and approval.
- 8) New Business – The Chair opened the discussion on any new items the group felt needed to be addressed in the next revision. No new items were brought forward.
- 9) The group discussed the spring meeting and what the current view of various groups (utilities, manufacturers, etc.) regarding attendance at the spring meetings based on the current and projected pandemic climate. Many utilities expressed doubt that they will be able to attend in the spring and interest in a potential hybrid meeting setup.
- 10) Motion to adjourn the meeting was made by George Payerle and seconded by Alejandro Macias. The meeting was adjourned at 11:48 PM CST with the next meeting set for Denver, CO on March 29, 2022.

Respectfully submitted,
D. Schwartz, Secretary