

IEEE/PES Transformers Committee Working Group on Requirements  
For Three-Phase Submersible Transformers (C57.12.24)

**Meeting Minutes**

Marriott Louisville Downtown  
October 30, 2017

Kentucky F Room

**Members present**

Giuseppe Termini – (Chairman) PECO (Exelon)  
Paul Chisholm - IFD Corp  
Anil Dhawan - ComEd  
Will Elliott – GE  
Said Hachichi – Hydro Quebec  
Mike Hardin – H-J Enterprises  
Bob Kinner, FirstPower Group  
Brian Klaponski - CARTE International Inc.  
Alejandro Macias - CenterPoint Energy  
Kent Miller T&R Electric  
Cory Morgan – Eversource Energy  
George Payerle – Carte International Inc.  
Jeremy Van Horn - IFD  
Bill Wimmer – Dominion

**Guests present**

Jason Attard – Con Ed  
Jeff Barnes – Norplex Micarta  
\* Israel Barrientos – Prolec GE  
Alan Boege – Orto de Mexico  
\* Jermaine Clonts – Power Partners  
\* Douglas Craig – Richards Mfg  
Thomas Dauzat – GE  
James Dorsten – Alabama Power  
Jean-Francois Gagnon – Siemens  
Leonardo Galhardo - DuPont  
Jorge Gonzales – Orto de Mexico  
Paul Henault -- IFD  
\* Brian McBride -- Cargill  
Brian McCarrick – Vantran  
Martin Munoz – Orto de Mexico  
Daniel Patry – FISO Technologies  
\* James Ratty – Electronic Technologies. Inc.  
Juan Ramirez -- Celeco  
Tony Reiss – Custom Materials  
\* Pedro Salgado – Electronic Technology Inc.  
Russ Sewell – Quality Switch  
Dennis Scoby – PG Access  
Russ Sewell – Quality Switch  
Stefan Siebert – Brockhaus  
Igor Simonov - Toronto Hydro  
\* Robert “Bud” Stinson – GE  
Babanna Sunech – Southwest Electric  
\* John Vartanian – National Grid

Lee Welch – Georgia Power  
Jonathan Wilson – LG&E  
Malia Zaman -- IEEE  
\* = requests membership

The meeting of C57.12.24 was called to order on Monday October 30, 2017 at 9:30 by Giuseppe Termini. Introductions were made and an agenda was presented. The meeting was attended by 14 members and 31 guests. Membership stands at 26 and with 14 members present, there was a quorum. Eight (8) guests requested membership. The chairman stated that 2 persons were removed from the membership and 3 were added. Those added were Piotr Blaszczyk, Wes Suddarth, and Mike Thibault. Attendance of at least two (2) consecutive meetings is required for membership.

The chairman reminded everyone that attendance of members is critical to maintain a quorum and conduct and be able to conduct business. Guests, active participants and interested individuals are encouraged to attend and participate as well but only members are permitted to vote.

The chairman asked if there were any patent claims. There were none.

George Payerle acted as recording secretary. The chair presented an agenda. Said Hachichi moved to approve and Brian Klaponski seconded. Approval was unanimous. The minutes of the Spring 2017 meeting in New Orleans were presented. Kent Miller moved to approve the meeting minutes and Alex Macias seconded. Approval was unanimous.

The chairman stated that our standard was published in December 2016. If we request a PAR now, the clock would start and we would have 4 years to complete the next revision so, it was decided at the Subcommittee that we would meet as a group for next meetings in order to continuously revise the standard by capturing suggestions and ideas that can be considered for the next revision of the standard.

The chairman introduced Patrick Ho from Powertech Labs who gave a presentation on corrosion as it pertains to submersible transformers. The chair will forward a pdf version to the meeting attendees.

Following the presentation, a suggestion was made to include a material compatibility chart between the tank material and accessories, such as connectors, that are attached to the tank. This material compatibility chart could be included in either the body of standard or as an Annex. Patrick Ho mentioned that there may be pertinent information available from NACE (National Association of Corrosion Engineers- [www.nace.org](http://www.nace.org)) or from the ASTM standards to create such a chart. Babanna Sunesh and Tom Dauzat volunteered to work on the material compatibility chart. Brian Klaponski also suggested that the group should develop information on tank materials that can be used in a variety of environments.

The chairman requested that if anyone had any suggestions for the next standard revision, such information should be provided prior to the next meeting so that it can be included into the agenda.

The meeting was adjourned at 1:48. The next meeting will be in Pittsburgh on March 26, 2018.

**Respectfully Submitted by:** Giuseppe Termini, Chairman C57.12.24 Working Group