

C57.19.100 Meeting Minutes 3/26/18 Spring Meeting

The meeting was called to order at 3:15 with 46 people present, 18 members, 28 guests and 23 new guests with 4 request for membership. Quorum was achieved.

After introductions, a request for patent disclosures was made and none were presented.

Motion made by Dave Geibel and seconded by Mario Locarno to approve the Spring 2017 Minutes

Motion made by Peter Zhao and seconded by Dave Geibel to approve the Fall 2017 minutes

Circuit Breaker Bushings were dropped from the guide, and there are still some references to CB bushings since they still exist in the field and may be making coming back in new breakers.

Peter Zhao suggested adding a section on bushing overloading due to transformer overload to ensure the bushing ratings are not lower than the transformer ratings especially in extreme temperature environments.

Discussions held on Bushing ratings versus transformer ratings:

Egon Kirchenmeyer from Siemens Transformer Designers would like to know more about the location that the transformer is installed in so that they can better match the bushing to the transformer.

David Stockton HJ stated that they can't just beef up the ratings without increasing cost. The customer needs to specify the ratings needed.

Trench stated that Bushings are designed with some margin in them, but the issue may be due to increased aging if it is used at the high end of its margin.

Lee Tyler with Warco discussed that the nameplate ratings define the range of the bushing. The IEC standard is tighter than the IEEE standards for deviation from nameplate.

Juan Castellanos Prolec would like to see a rating for maximum allowable temperature during a short circuit condition. Discussion that epoxy resin bushings may not have the same overload ratings.

Matt from Pacific Corp would like to see that a Guide that helps the user specify how the transformer and bushing are applied so that they can be assured they are specifying the correct combination of hardware.

Devki Sharma Entergy engineer advised that he is having more issues on LV bushings and would like more standards to define their overload capabilities.

Motion made by Dave Geibel and seconded by Eric Wetherbee to submit the PAR before the fall meeting.

The meeting was adjourned at 4:07 PM

Tommy Spitzer, Chair  
Jeff Benach, Secretary  
March 26, 2018