

**Working Group on Semiconductor Power Transformers – C57.18.10**

**Unapproved Meeting Minutes**

**Hyatt Regency Jacksonville Riverfront, Jacksonville, FL  
Grand Ballroom 2 &3  
11:00 am, October 16, 2018**

The Working Group met in the Grand Ballroom 2 & 3 meeting room

Sheldon Kennedy called the meeting to order at 11:01am

There were 14 members and 22 guests present. A quorum was not present (14 of 30 members).

The patent call was given. Nobody replied with any patent issues.

**Discussion of Draft 4 Revisions-**

Sheldon went over the changes in Draft 4. Nothing on interphase transformers is in the Draft. Sheldon volunteered to write something. John John also volunteered to submit some information about interphase transformers. Added high resistance grounding, non-classical harmonics to previous draft. High frequency switching was brought up in previous meeting by Phil Hopkinson but he did not submit anything. Sheldon will ask Phil to write something on this topic. Made changes to scope of standard and added some references. Discussed adding comments on the short circuit performance of rectifier transformers which are different than standard transformers because there can be multiple secondaries. Added more information on electrostatic shields. Sheldon asked audience to submit any comments on the draft to one of the officers. Nothing added yet about impulse testing of rectifier transformers. Traction overload specification has incorrectly been listed as 200% for heavy traction rather than the correct 300%. This will be corrected. Sanjib Som mentioned that there might be excess CO and CO<sub>2</sub> generated if the temperature exceeds 120C during traction overload testing and that it should be mentioned in the standard. Sanjib will write something about it. Casey Ballard volunteered to send in information about C57.154 on high temperature insulation systems in liquid filled transformers and how it might be related to gassing mentioned by Sanjib. Sheldon asked the audience if there were any new topics to be addressed in the revision. Nobody replied. Sheldon will incorporate the changes into the Draft and send it out for a Working Group ballot.

**New Business:**

- No new business

With no further business, the meeting was adjourned at 11:42am.

The Working Group will meet again at the Spring 2019 meeting in Anaheim, CA

Chairman: Sheldon Kennedy

Vice Chairman: Bill Whitehead

Secretary: David Walker