

10.5 C57.13 Instrument Transformers – J. Smith

7 members and 9 guests attended

10.5.1 Chair's Remarks & Announcements:

The dates and locations for future meetings were announced.

The previous meeting minutes were approved as written

10.5.2 Old Business:

None

10.5.3 New Business

Study Group on Partial Discharge Testing

At the next SC meeting, IEC 60270 will be reviewed. Pierre Riffon will furnish copies for the SC members to review by the next meeting.

Thermal Evaluation

The present Standard does not cover the effects of variations in ambient temperature on long-term performance. In particular, the insulating oil and gasket performance at low temperatures and accelerated aging at high temperatures are of concern. The members are to bring their recommendations to the next meeting.

IEC TC38

Vladimir Khalin will email the TC-38 minutes to the members of the subcommittee.

10.5.4 Working Group Reports:

10.5.4.1 WG C57.13.5 - Working Group on Test Requirements for High Voltage Instrument Transformers 115 kV Nominal System Voltage and above – Joe Ma & Pierre Riffon

- (1) The draft 14.04 was balloted with consensus result. Because of an unresolved negative vote, the draft D15 was submitted to the standards association for re-circulation. The closing time for the second ballot is mid-November 2003. At the same time the PAR revision was made regarding to the title of the document and extension of the project to December 2003. This revised PAR was submitted to RevCom for approval.
- (2) The remaining time of the sessions was devoted to the presentation and resolution of the balloting comments for draft D14.04.

10.5.4.2 WG C57.13.6 – Working Group on Instrument Transformers for use with Electronic Meters and Relays – Chris TenHaagen

Chair's remarks & Announcements:

The WG met on October 22, with four members and nine guests present.

Old business-

- The minutes from the last meeting in Nashville, TN (spring 2000) were reviewed. Key updates were:
 - 1) Recognition of industry use of a 'stepped' accuracy 0.3 at 5% and 0.15 at 100% rated current. This was added to C57.13.6, and identified as 0.15 accuracy.
 - 2) It was agreed that this additional rating would require four test points to meet the higher level of accuracy certification intended by this high accuracy standard.
 - 3) Addition of the letter 'S' to the 0.15 'step-less' accuracy class, which is defined from 5% thru the Rating factor (now 0.15 S accuracy class). This is similar terminology to IEC's best accuracy designation.

New business-

- A draft of C57.13.6 updated (revision 10) since Nashville meeting circulated for review. Editorial corrections noted at that meeting reviewed and accepted. It was suggested to require four test points for the 0.15 S accuracy class. Justification was the use of 'dynamic' compensation schemes that cause faster registration at 5% than at rated current. Countering this is the argument that these types of compensation represent a small percentage of the CT designs, especially high accuracy type. This represents a cost increase for all (high accuracy) products to account for a few. Other factors to consider additional tests required for dual (0.3 accuracy class) products.
- Action Items:
 - A 'real time' survey of attending members was taken, and the chair will address comments and seek consensus in the coming weeks.
 - The standard will be forwarded to the editorial staff.
 - Balloting will follow

10.5.4.3 Working Group on C57.13 Revision – Tom Nelson

The working group met on October 22. There were 10 members and 2 guests present. The draft standard had been surveyed within the working group, and the subcommittee with the responses returned being affirmative. The draft was also sent to IEEE editorial for their comments. The changes suggested by IEEE were made, and the draft will be submitted for ballot. The working group then held a lively discussion on the merits of partial discharge testing for materials other than oil. It is expected that the balloting will be finished and the next meeting in March, will be used to resolve any negative ballots.

10.5.4.4 Study Group on C57.13.2 – Tony Jonatti

PAR request to be made