

## **7.2 C57.13 Instrument Transformers – J. Smith – Unapproved Minutes**

### **Chair's Remarks & Announcements**

The Instrument Transformer Subcommittee met on Wed Oct 28 at 8:00 AM 6 members and 20 guests attended. The meeting was chaired by J. Smith

The previous meeting's minutes were approved as written and there were no Patent issues.

The next meeting is scheduled for March 7 - 11 in Houston, Texas

### **7.2.1 Presentation on mA Current Transformers – H. Alton & V. Nguyen**

This presentation explained the concept and application of small form factor CT's with low secondary current designed to fit in metering panels up to 600V. There is presently no standard covering such devices and the presenters were seeking the cooperation of the ITSC to include this type of CT in the C57.13 series. In the ensuing discussion it was recommended that Protection applications also be included and that there was no reason to limit the applications to 600 V. A motion was made to create a WG to write a new standard C57.13.7 and it was approved by vote. The WG Co-chairs will be H. Alton and V. Nguyen. J. Smith said he would arrange a meeting time for the Houston meeting. He also offered to invite representatives of NEMA to join the WG.

### **7.2.2 Working Group Reports**

#### **7.2.2.1 TF on Bushing and Instrument Transformer Partial Discharge**

The task force on Partial Discharge in Bushings, VTs & CTs met on Monday October 26th, 2009, at 3:15pm with 35 attendees with 12 requesting membership and 23 guests.

- The meeting was opened with patent disclosures and introductions.
- The agenda for the meeting included a presentation by Prof. Lemke regarding the theoretical aspects on partial discharge measurements using balanced bridge, single-ended connection and a combination of these methods. The advantages and disadvantages for each of the methods were discussed.
- This presentation was followed by comments on laboratory experience and troubleshooting on PD measurements by Reiner Krump.
- The question was asked to the audience whether a guide for PD measurements on bushings and instrument transformers is needed as a

separate document from the PD measurements in transformers and what it's needed. The consensus was affirmative, with no objections.

- The scope for the guide is to provide recommendations on the partial discharge measurements for factory acceptance tests. It does not include interpretation of test results or PD tests performed in the field.
- Meeting was adjourned at 4:30 pm.

#### **7.2.2.2 PAR P1601 Optical Current and Voltage Sensing Systems - F. Rahmatian (TC/ITSC) and H. Gilleland (PSIM)**

This WG did not meet in Lombard but F Rahmatian reported that the draft had been balloted and received 90 % positive votes with a 75% response. More than ½ of the comments on the negative ballots have been addressed. An extension to the PAR has been requested as it will expire soon.

### **7.2.3 New Business**

#### **7.2.3.1 C57.13.2 & C57.13.6**

These 2 standards are due to expire in 2010. J. Smith made a proposal to reaffirm them both. There was a question about whether they could instead be incorporated into C57.13 but, since they would expire before this could be done, they need to be reaffirmed. The reaffirmation may include proposed changes for the following revision, which would require setting up a WG. The group agreed to the reaffirmation proposal.

#### **7.2.3.2 WG Member Participation**

In the new operating manual issued by the Administrative Subcommittee, the requirements for Subcommittee membership have become more stringent. To be eligible it is now necessary to be an active participant for 2 years. To be considered an active participant it is required to contribute to discussion and to respond to surveys, etc – not simply to attend. Based on this, the chairperson will be reviewing the ITSC membership and anyone who is not participating will be designated as a guest.

#### **7.2.3.3 C57.13 Survey - Quality of Comments**

J. Smith explained that when submitting comments on clauses in a specification, a specific change, revised wording, alternative clause or other concrete course of action must be proposed. Simply saying that a clause or section needs more work is not sufficient.

A 2<sup>nd</sup> time slot to review comments was recommended for the next meeting.

### **7.2.4 Adjournment**