

**IEEE PES TRANSFORMERS COMMITTEE**  
**Working Group - C57.12.90 Temperature Rise Test Procedure, Section 11.0**  
*Of the Insulation Life Subcommittee*  
**DRAFT**

The WG on Temperature Rise Test Procedures in Section 11 of C57.12.90 met in the Pacific D room of the Renaissance Boston Waterfront Hotel in Boston, MA at 11:00 AM. Introductions of members and guests were made. The chair reviewed requirement for quorum and took count of the membership. There were 18 members and 60 guests. A quorum was established. The minutes of the April 12, 2011 meeting in San Diego were approved as written.

**Projects:**

After introductions, we proceed to discuss the first proposal concerning the clause 11.1, the loading back method for temperature rise test. The proposal was to make this method mandatory for transformers 1500 kVA 3-phase, 500 kVA 1-phase or lower. After some discussion the proposal was first changed from mandatory to preferred by Mr. Marcel Fortin, and finally an agreement was achieved, by the proposal by Mr. Mark Perkins, leaving the same wording as it is now in the standard, but changing the order of appearance of the methods. The loading back method will appear first as item 1), followed by the short circuit method as item 2).

The second clause to be reviewed was the 11.1.2.2 of the loading back method, that requires both transformers, supply and under test, to be identical. The proposal was to allow these transformers to be different, allowing the supply transformer to be equal or higher kVA, and up to 10% voltage different than the transformer under test. There was much discussion because the wording of the proposal was confusing. Finally it was proposed, by Mr. Bertrand Poulin, to perform a major change to the clause stating that what is really important is to provide proper voltage and current to the transformer under test, and the rated characteristics of the supply transformer are irrelevant, and have to be defined by the test area. A new proposal will be prepared, by Mr. Bertrand Poulin, and sent to the working group members for approval.

**Old Business**

The survey to the IL and DT subcommittees regarding sub-clauses 11.2.2 c, d and f will be presented at the next meeting.

**New Business**

There was no new business.

The Meeting was adjourned at 11:48 AM.

Respectfully submitted,

Juan Castellanos, Co-Chair  
Marnie Roussell, Secretary