

San Diego, CA, USA;
Unapproved meeting minutes;
Working Group on Revision of Impulse Tests.

The WG met on April 12 26, 2011, from 3:15 pm to 4:30 pm. Twenty members (20) members and eighty-seven (87) guests attended the meeting. Required quorum was met. Eighteen (18) guests requested membership. The meeting was chaired by Pierre Riffon, chair of the WG.

The agenda has been reviewed and two New Businesses were added. The agenda has been approved as modified.

Revision 1 of the minutes of the Toronto meeting were approved as modified (name spelling corrected).

The IEEE patent disclosure requirement policy was discussed. None of the members and guests present during the meeting were aware of any patents related to the work of this WG.

The first technical item of business was to discuss the results and comments received from the 2nd survey made within the WG and the Dielectric Tests SC on the number of impulses to be applied during impulse tests. The proposal requests to increase the number of full impulses from one to three as required by IEEE and IEC standards on insulation coordination and HV testing and to align the impulse testing procedure with IEC 60076-3. This survey was made in March 2011. The return rate was 25.9% and approval rate was 82.7%.

Comments received were discussed and the following decisions were taken:

- Coordination with the Bushings SC will be made;
- No specific time interval will be specified between the last chopped-wave and the following first full-wave. The wording will only say that this time shall be minimized;
- Front time for impulses applied on neutral terminals will be put as a New Business for future meetings;
- Tail time tolerances for impulses on neutral terminals will be added;
- Tap position for impulses applied on neutral terminals will be put on New Business for future meetings;

San Diego, CA, USA;

Unapproved meeting minutes;

Working Group on Revision of Impulse Tests.

- Two full-wave impulses will be specified after chopped-wave tests during the lightning impulse test sequence defined when protective devices are an integral part of the transformer. This modified proposal will be surveyed within the WG and the Dielectric Tests SC prior to the next meeting;
- Both chopped-wave tests and full-wave tests will be required for design, duplicate units and routine tests;
- Most of the negatives received can not be resolved because there is no compromise possible;

The majority of WG members presents during the meeting agree to sent the proposal to Steve Antosz for inclusion in the next draft of C57.12.90 that will be circulated for ballot.

On new business, there were two subjects. The first was related to the comments received on the last C57.12.00 ballot. Comment received from Kimberly Mosley was discussed and the WG agreed that proper references to clause 5.10.7.2 to be added. A proposal will be circulated to the WG prior to the next meeting.

The second new business was related to a request from Dennis Marlow to discuss the need or not to specify a mandatory order between lightning impulse tests and switching impulse tests. This subject has been slightly discussed but the WG ran out of time and this discussion will be resumed at the next WG meeting in Boston.

The meeting adjourned at 4:30 pm on April 12, 2011.

Pierre Riffon P. Eng.
WG Chair
April 12, 2011