

Minutes of the Meetings held on
May 18th, 19th and 20th, 2011 in Lake Buena Vista – FL, USA

Joint IEC/IEEE revision of IEEE C37.013: IEEE Standard for AC High-Voltage
Generator Circuit Breakers Rated on a Symmetrical Current Basis

IEC TC 17 / SC 17A / WG 52

IEEE WG PC37.013

The Working Group met on May 18th, 19th and 20th, 2011 in Lake Buena Vista – FL, USA.

The following people attended the meetings:



Roster

Main points:

- Jean-Marc Biasse and Nicolas Fadat have been appointed by France as new members of TC 17/SC 17A/WG 52.
- Self-tripping generator circuit-breakers are not within the scope of the document.
- Cl. 5.8.4 of IEC 62271-1 is not applicable to generator circuit-breakers.
- The comments received from D. Braun, M. Palazzo, H. te Paske, JM Willieme and L. Zehnder have been accepted by the WG members.
- The contributions received from P. Novak and J. Oemisch have been reviewed by the WG members.
- The complete document (except for clause 5, annexes F and G and bibliography) has been reviewed and agreed by the WG members.
- Leslie Falkingham suggested to include in the document the requirements for application with generators rated less than 10 MVA. The WG believes that this application should be covered in the document but not in this version because of lack of information for especially with respect to the TRV requirements. The convenor of the WG should ask CIGRE to carry out a survey in order to set the TRV requirements for such applications.

- The WG convenor or a member should report the status of the document at the IEC meeting which will be held in Melbourne in October. In case neither the convenor nor a member can attend this meeting, Denis Dufournet could present the report.
- The WG members are invited to send their comments on D6.0 within 3 weeks after it is issued.
- Depending upon quantity and type of comments received, the convenor will decide if a meeting in summer 2011 is required to prepare CD1.

Next Steps and Agreed Actions:

- Remove definition of minimum clearing time in cl. 3.7.147 (MP)
- Add definition of degree of asymmetry (according to IEEE C37.100) in cl. 3 (MP)
- Replace “dc component” with “degree of asymmetry” throughout the document (MP)
- Review cl 5 and check if it is applicable to generator circuit-breakers (PN, JMW, BL)
- Remove “rated excitation switching current” from table 7 (MP)
- Adjust the position of words in figure 11 (MP)
- Revise completely cl. 6.102.10.1.2 and the procedure for asymmetrical testing (HtP)
- Check values in Table 12 and Table 13 (JO, PN, HtP)
- Replace the word “inverted” with “reversed” in the note 4 of table 14A and table 14B (MP)
- Provide a figure for cl. 6.105.12 “Generator-source short-circuit breaking test-duties “ to clarify the test procedure for generator-source short-circuit currents with delayed current zeros (HtP, LZ)
- Check throughout the document that “first-pole-to-clear” and “last-pole-to-clear” are used in place of “first-phase-to-clear” and “last-phase-to-clear” respectively (MP)
- Replace letters with numbers in the notes of table 10 (MP)
- Check if the three yellow-marked sentences in cl. 7.101 are already included in cl. 10 (MP)
- Check clause numbering and test designation in annex A (MP)
- Replace the word “inherent” with “prospective” throughout the document (MP)
- Add a new annex (called Annex F) similar to Annex F of IEC 62271-100 (BL)
- Add IEEE C37.12.1 to the normative references (MP)
- In cl. 11 check if references to clause numbers are in line with clause numbers of cl. 5. In case modify (PN, JMW)

Next Meetings:

- Summer 2011 – (required depending upon convenor’s decision based on quantity and type of comments received on D6.0)