

Minutes of the Meetings held on  
October 12<sup>th</sup>, 13<sup>th</sup> and 14<sup>th</sup>, 2011 in Nashville – TN, US

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 P62271-37-013

The Working Group met on October 12<sup>th</sup>, 13<sup>th</sup> and 14<sup>th</sup>, 2011 in Nashville – TN, US.

The chair started the meeting with the introduction of all participants.

The IEEE patent slides were reviewed.

The minutes of the meeting held in Lyon were approved.

Main points:

- The comments received from Junichi Kashima, Matsuki Masashi, Joachim Oemisch, Henk te Paske, Nicolas Fadat, Mirko Palazzo, Joanne Hu, and Li Liu were reviewed by the Working Group (see “Comments” section of the WG members’ website).
- The D7 version of the document has been reviewed by the WG members.
- The WG members agreed that there is no need for a note in table 7 to explain why it is not required to list on the nameplate the rated generator-source short-circuit current.
- The WG members agreed that there is no need to describe the test procedure to evaluate the electrical endurance of a generator circuit-breaker.
- A discussion about the procedure to test the capability of a generator circuit-breaker to interrupt currents which exhibit delayed current zeros took place. It was agreed that a new proposal for this procedure will be prepared by MP, LZ and HtP and discussed within the WG in January 2012.
- A new proposal for 6.102.10.1.1 has been accepted.
- New requirements in 6.103.7 have been accepted. It is opinion of the WG that those new requirements should be implemented in the next revision of IEC 62271-100 as well.
- Bill Long confirmed that Joanne Hu will be happy to rework all the Figures which need maintenance.
- The target is to finalise CD1 by the end of October 2011.

- The WG members agreed that only the following modifications shall be implemented for finalising CD1:
  - Remove the reference numbers on the y-axis of Figure 11a (MP)
  - Use English words in Figures 15a and 15b (MP)
  - Modify Figure 13 to show connections between generator circuit-breaker and IPB (LZ)
  - Replace Figure 31 with correct wave shapes of current in case of generator delivering power with either lagging or leading prior to fault (MP)
  - Incorporate contribution from Nicolas Fadat

Future Meetings and Schedule:

- Circulate IEEE and IEC CD1 Ballots Nov, Dec 2011, Jan 2012
- Discuss proposal of the procedure to test the capability of a generator circuit-breaker to interrupt currents which exhibit delayed current zeros 26-27 Jan 12 Pottsdam (begin CD2)
- Initial Responses to Comments from CD1 ballots March-April 2012
- Final resolution of comments to CD1, 1, 2, 3 May 2012, St-Pete Beach, FL, USA with IEEE.
- Summer 2012 – small group to meet to draft words for Draft 1 of CD-2 (Invitation?)
- Fall 2012 – will meet with IEEE-Swgr. Comm.
  - 2, 3, 4 OCT 2012 at San Diego, CA, USA
  - To Finalize Draft of CD2 as agreed in comment resolution.
- Winter 2012 Circulate IEEE and IEC CD2 Ballots Nov, Dec 2012, Jan 2013
- Initial Responses to Comments from CD2 ballots March-April 2013
- Final Responses to CD2 comments 30 Apr 1, 2 May 2013 (tentatively), Galveston, TX USA with IEEE for comment resolution from CD2 and IEEE Ballots
- Summer 2012 – small group to meet to draft words to begin Draft 1 of CDV (Invitation?)
- Prepare Final Draft of CDV. October 2013
- Nov. 2013 Final Draft of CDV to ballot (IEC & IEEE)
- Winter 2013 compiled Comments from CDV – resolve negative ballots.
- Spring 2014 FDIS