

Meeting Minutes

A. Introductions

Working Group meeting was called to order October 1, 2012 @ 8:12 AM PST. Introductions were made of all attendees. The IEEE Patent Policy and Business Conduct slides were reviewed by the attendees prior to registration to the meeting. No patent declarations were made known. The IEEE patent policy may be reviewed at the following web site:

<http://standards.ieee.org/board/pat/pat-slideset.pdf>

B. Attendance

Thirteen Working Group members were present, with seven guests also in attendance.

Attendees:

Name	Affiliation	Member / Guest
<i>Clint Carne</i>	<i>Schneider Electric</i>	<i>guest</i>
<i>Lee Cox</i>	<i>EFACEC</i>	<i>guest</i>
<i>Dave Dunne</i>	<i>Schneider Electric</i>	<i>member</i>
<i>Mike Flack</i>	<i>Southern Company</i>	<i>guest</i>
<i>Keith Flowers</i>	<i>Siemens Industry</i>	<i>chair</i>
<i>Brian Gerzeny</i>	<i>Powell Electrical Systems</i>	<i>member</i>
<i>Lou Grahor</i>	<i>Eaton Corporation</i>	<i>member</i>
<i>Tom Hawkins</i>	<i>Siemens Industry</i>	<i>guest</i>
<i>Jeff Hidaka</i>	<i>Underwriters Laboratories</i>	<i>member</i>
<i>Dan Hrncir</i>	<i>Eaton Corporation</i>	<i>member</i>
<i>Anurag Jivanani</i>	<i>General Electric</i>	<i>member</i>
<i>Harry Josten</i>	<i>Siemens Industry</i>	<i>member</i>
<i>Arthur Jur</i>	<i>Eaton Corporation</i>	<i>guest</i>
<i>Mike LaFond</i>	<i>General Electric</i>	<i>member</i>
<i>Jeff Mizener</i>	<i>Siemens Industry</i>	<i>member</i>
<i>Darryl Moser</i>	<i>ABB</i>	<i>member</i>
<i>Owen Parks</i>	<i>ABB</i>	<i>guest</i>
<i>Michael Seabrook</i>	<i>General Electric</i>	<i>guest</i>
<i>John Shullaw</i>	<i>General Electric</i>	<i>member</i>
<i>Dean Sigmon</i>	<i>Eaton Corporation</i>	<i>member</i>

C. Spring 2012 Meeting Minutes

Following the Spring 2012 meeting in St. Pete Beach, the meeting minutes were both distributed to all participants, and posted on the website. Harry Josten made a motion to approve the minutes, and was seconded by Dave Dunne. Minutes were approved unanimously.

D. Document Status

IEEE Std. C37.14 was reaffirmed March 2008, with next action required 2018.

The PAR for this project was approved on September 10, 2011.

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E. Draft 5

Prior to the meeting, Draft 5 was re-circulated to the working group, and to all other parties who previously had expressed interest in this document.

F. Temperature rise limits at the breaker terminal connections

The Working Group discussed the application of Table 3 (PC37.14-Draft 5) with regard to the temperature rise limitations at the breaker terminal connections. The discussion covered both fixed-mounted breakers, as well as drawout circuit breakers.

The text was deemed appropriate and comprehensive of the subject. Potential addition of figures to further describe the terminal locations were discussed, and may be evaluated within future drafts.

G. Design sequence test 1 (Table 6, PC37.14-Draft 5)

The Working Group discussed the sequence of design tests required within Table 6 (PC37.14-Draft 5). It was decided by the Working Group that the sequence of short time withstand testing and continuous current testing was not critical. The consensus of the attendees was to reverse the order of the short-time current test and the continuous current test occur, with a footnote permitting the manufacturer to reverse the sequence of these two tests, at the manufacturer's discretion.

H. Design sequence test 3 (Table 8, PC37.14-Draft 5)

The Working Group discussed design sequence test 3, and determined that it would be beneficial to the user of this document to add more verbiage describing the requirements for conducting these tests. Resulting language was added to Draft 6.

I. Annex A and B tables

The tables in Annex A and Annex B include both preferred ratings, as well as test circuit values. A proposal will be made within Draft 6 for potentially improving read-ability of these tables, by attempting to clarify which columns include preferred ratings, and which columns are test values. The Working Group members are encouraged to review this proposed text, and submit any proposed revisions with their comments to Draft 6.

J. Follow-up Design Verification Testing

The ad hoc subgroup on follow-up testing completed their task, and the proposed wording was included as the new clause 14 within Draft 6. The Working Group members are encouraged to review this proposed text, and submit any proposed revisions with their comments to Draft 6.

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K. Conclusion

PC37.14-Draft 6, the PC37.14-Draft 5 consolidated comment list, and a blank Draft 6 comment form will be circulated to the Working Group, and all parties who have expressed interest in this document. The chairman aims to have this task completed within 10 weeks of this meeting. Unresolved comments from the Draft 5 comment list will be rolled forward to the next meeting.

The meeting was adjourned at 12:00 PM PST.

L. Upcoming Meetings

The face-to-face Working Group meetings are held in conjunction with the IEEE PES Switchgear Committee meetings. The upcoming Switchgear Committee meetings are tentatively planned for:

April 2013: Galveston, TX (specific date and location TBD)
October 2013: San Antonio, TX (specific date and location TBD)
May 2014: Orlando, FL (specific date and location TBD)
October 2014: Asheville, NC (specific date and location TBD)

IEEE PES Switchgear Committee meeting announcements and registration can be found at the following link:

http://www.ewh.ieee.org/soc/pes/switchgear/NextMeeting/Future_Meetings.html

Minutes submitted by:
Keith Flowers
C37.14 Working Group Chair
October 3, 2012