

IEEE Power & Energy Society  
Switchgear Committee  
C37.20.7 Working Group Report  
22-September-2015

The working group met on Tuesday, September 22, 2015 at 8:00AM.

Agenda:

The agenda was previously distributed. A. Morse moved to approve, second by M. Lafond. Agenda accepted without objection.

Patents: Those registered at the Switchgear Committee meeting in San Diego were required to acknowledge the IEEE-SA rules on Patents, and therefore, review in this meeting is not required. Nevertheless, the chair reminded participants that anti-competitive issues are never allowed for discussions.

General:

The PAR for this project was approved by the IEEE-SA Standards Board on November 9, 2011, and is valid through 2015. We will have to submit a request to extend the PAR and may also need to change the scope of the document in the PAR.

Members introduced themselves, identified their company and their affiliation. Total attendance was 75 persons. Attendance included 26 working group members (of 32, with 4 absent and 2 excused, plus 49 guests. Attendance is as shown below:

Members / Affiliation	Members / Affiliation	Guests / Affiliation	Guests / Affiliation
C. Ball (P) – S&C P. Barnhart (P) - UL J. Baskin (P) – Federal Pacific R. Boyce (P) – Eaton J. Bowen (A) - Aramco E. Byron (P) - Schneider J. Earl (P) - ABB D. Edwards (P) - Siemens M. Flack (P) – Southern Nuclear K. Flowers (P) - Siemens D. Gohil (P) – AZZ T. Hawkins (P) - Siemens S. Hutchinson (A) - Shallbetter A. Jur (P) – Eaton C. Kennedy (A) - Schneider M. Lafond (P) - GE	D. Lemmerman (A) – Exelon/PECO F. Mayle (P) - Technibus D. Mazumdar (P) - AZZ D. Mohla (E) – DCM Electrical Consulting A. Morse (P) – Morse Ventures D. Moser (P) - ABB T. Olsen (P) - Siemens M Orosz (P) - Schneider A. Patel (P) - GE C. Schneider (P) - Schneider J. Smith (E) – retired P. Sullivan (P) - DuPont C. Tailor (P) - Eaton M. Valdes (P) - GE M. Wactor (P) – Powell R. Warren (P) – DNV GL KEMA	D. Beseda (P) – S&C S. Bodea (P) - ABB J. Campbell (P) – Powell C. Carne (P) – Schneider S. Cary (P) – Eaton M. Claxton (P) - Powell R. Cohn (P) – Powercon S. Colsch (P) – Schneider L. Connor (P) - Eaton D. Dunne (P) - Schneider D. Elliott (P) – ABB S. Flores (P) - Schneider P. Gingrich (P) – AZZ D. Giraud (A) - Powell L. Grahor (P) – Eaton J. Harley (P) – First Power Group R. Hartzel (P) - Eaton J. Hidaka (P) – UL D. Hrcir (P) – Eaton D. Jackson (P) – ABB J. Jarque (P) – AZZ A. Jivanani (A) - GE W. Jung (P) – Siemens J. Kaminski (P) – Siemens J. Kasige (P) – Crown Technical Systems C. LaPlace (P) - GE A. Lizardo (P) - ABB J. Lord (P) – Siemens R. Martinez (P) – CFE-LAPEM J. McClelland (P) – Technibus	C. McCollum (P) – ABB S. Meiners (P) - GE R. Morris (A) - Eaton T. Neighbors (P) - ABB O. Parks (P) - ABB R. Pawar (P) - ABB S. Powell (P) – AZZ I. Profir (P) – Rockwell R. Puckett (A) – retired S. Reddy (P) – Powell J. Rizo (P) – Xcel Energy M. Roberson (P) - AZZ T. Rohrer (P) - Exiscan R. Rohr (P) - Powell A. Rowell (A) - Eaton T. Sauve (P) – Rockwell T. Schiazza (P) - Schneider D. Serdynski (P) - Rockwell J. Shullaw (A) - GE M. D. Sigmon (A) - Eaton E. Spiewak (E) – IEEE-SA K. Starcevic (P) – DNV GL-KEMA R. Tanner (P) – Schneider B. Venne (P) - Rockwell L. Yonce (A) – Eaton M. Whitney (P) – S&C M. Williford (A) – Schneider E. Wilke (P) - Eaton T. Woodyard (P) - Siemens

The minutes from the Spring 2015 meeting were approved as distributed.

Chair Comments:

Objective is to get through the issues on the agenda, and then move to ballot. The intent is to start the first ballot sometime after this meeting.

Review of D9a issues in preparation of D10:

- No issues were discussed regarding the initiation of the arc in the document or in the various annexes.
- Grounding. Discussion occurred in the previous meeting about differences in ground current depending on the manner of grounding. The result is that we decided to retain our historic practice of testing on the basis of a solidly grounded test circuit.
- Test current and calibration. The draft recently circulated (D9a) contains new information on test current and calibration. This principally concerns clause 5.2.1 and the following clauses. Various changes were made after discussion. In 5.2.4.2, it was decided to accept the actual test result for reduced voltage testing without restrictions, similar to the criterion for full-voltage testing, and the arc shall not extinguish prematurely.
- In 5.2.6.4, it was agreed that a test 2, similar to that in 5.2.6.3.2, be added for a full duration test at the level of current just below that which the duration-limiting device begins to operate. M. Wactor will create words and review with P. Barnhart.
- Annex L on metal-enclosed gas-insulated switchgear was discussed.
- S. Meiners asked why equipment to C37.74 (pad-mounted) and C37.60 (reclosers) are not covered. Steve was requested to provide revisions to the draft to accomplish this, using annex L as a basis, for consideration by the C37.20.7 working group. It is requested that this draft be provided by November 10.
- The scope was discussed, particularly relative to rewording to accommodate metal-enclosed medium voltage air insulated circuit breakers for outdoor applications conforming to IEEE Std C37.04.
- Comments are requested from the working group on the draft by October 15. Draft 10 with annex K changes and the OVCB proposal as modified will be sent following this meeting.
- It was moved to begin the ballot process after the comments and revisions are consolidated in the new draft D10. All working group members present for the vote (25 of 26) voted affirmative and the motion passed.

A request for extension of validity of the PAR will be submitted no later than October 16 for consideration by the Standards Board at their December meeting. Separately (and later), a request for modified PAR to reflect changes in the scope will be submitted.

It is our intent to initiate the ballot process before the end of 2015.

The meeting adjourned at 11:58PM.

Report submitted by:

M. Wactor, WG Chair