

**IEEE Power Engineering Society
Switchgear Committee
Low Voltage Switchgear Devices Subcommittee**

**C37.13 and C37.27 Working Group Report
October 17, 2007 – Philadelphia, PA**

PC37.13 and PC37.27 working groups (combined) met for Wednesday morning session from 8 AM to 12 PM on October 17, 2007 with 26 present (9 members and 17 guests) and one (1) member excused.

Patents:

IEEE-SA rules on Patents were reviewed prior to further discussions. The introductory slide and slides #1 through #5 of the IEEE-SA Patents Slide Set dated 1-May-2007 were shown. The WG attendees were advised:

- The IEEE's patent policy is consistent with the ANSI patent policy and is described in Clause 6 of the IEEE-SA Standards Board Bylaws;
- Early identification of patent claims which may be essential for the use of standards under development is encouraged;
- There may be Essential Patent Claims of which the IEEE is not aware. Additionally, neither the IEEE, the WG, nor the WG chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.

The participants were provided an opportunity to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of the standard which will result from the activity of the WG.

No responses were received during the meeting regarding patent claim(s)/patent application claim(s) and/or the holder of the patent claim(s)/patent application claim(s) that were identified (if any) and by whom.

Participants:

Members		Guests	
D. Edwards (P)	A. Livshitz (P)	M. Abrahamsen	R. Sarin
M. D. Sigmon (P)	D. Dunne (P)	M. Flack	P. Terry
C. A Morse (P)	D. Colaberardino (P)	N. Gunderson	A. Patel
R. J. Puckett (P)	C. Schneider (P)	J. Maurice	P. Dwyer
T. W. Olsen (P)	P. Barnhardt (E)	J. Coomer	T. Williams
K. Flowers (P)		A. Rowell	F. Mayer
		D. Mazumdar	P. Notarian
		H. Josten	P. Sullivan
P = present, E = excused, A = absent			

C37.13 Low-Voltage AC Power Circuit Breakers Used in Enclosures

Distributed documents included:

C37.13/D20 – This is WORD “compare and merge” showing changes since the balloted draft C37.13/D15a.
C37.13-D15a creating D20 – This is a collection of comments made since balloted draft C37.13/D15a.

PC37.13/D20 Review

PC37.13/D20 was discussed.

1. PAR Revision

It was reported to WG that the PAR was revised based on the updates which have been made to the Scope and Purpose statements.

2. C37.50 Coordination – Trip Unit and 50 and 60 Hz qualification

Adapted text proposed by the C37.50 WG concerning the Trip Unit demonstration performance for 50 Hz and 60 Hz operation by having 50 Hz time-current characteristics within the 60 Hz time-current published curves. C37.17 will be requested to address the issue of Trip Unit calibration.

3. Application Guide – Control Voltages

C37.16 WG requested the control voltage notes from C37.16 be moved to C37.13. Text was taken from C37.16/D11-JCM draft and added to new clause 9.1.2.

Action Item: Comments must be updated to put back into the format for submittal back for the balloting process and ballot initiated.

**C37.27 Application Guide for Low-Voltage AC Nonintegrally Fused Power Circuit Breakers
(Using Separately Mounted Current-Limiting Fuses)**

Documents distributed

C37.27/D15 – This is WORD “compare and merge” showing changes since balloted C37.27/D9.

C37.27/D9 creating D15 – This is a collection of comments made since balloted draft C37.13/D9.

PC37.27/D14 Review

PC37.27/D15 was discussed.

1. PAR Revision

It was reported to WG that the PAR was revised based on the updates which have been made to the Scope and Purpose statements.

2. Keep Guide or Withdraw?

WG discussed issue of whether to continue with the upgrade of the document or to withdraw due to issue that fuse / circuit breaker comparison should always be tested. Figure 1 and the clause 5.1.2 were revised. Change is such that the peak let-through current shall not exceed the 254 Volt rated short-circuit current of the circuit breaker. Previously, the peak let-through current was not to exceed twice the 254 Volt rated short-circuit current of the circuit breaker.

Action Item: Comments must be updated to put back into the format for submittal back for the balloting process and ballot initiated.

Report submitted by: D. Edwards, PE

PC37.13 and PC37.27 WG Chair