

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

**C37.13 and C37.27 Working Group Report  
May 9, 2007 – St. Pete Beach, Florida**

PC37.13 and PC37.27 working groups (combined) met for Wednesday morning session from 8 AM to 12 PM on May 9, 2007 with 19 present (5 members and 14 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	Members	Guests	Guests
D. Edwards (P)	George Nourse (E)	M. Abrahamsen	F. Mayle
M. D. Sigmon (P)	G. Cirves (A)	D. Colaberardino	R. Sarin
C. A Morse (P)	T. W. Olsen (A)	D. Dunne	C. Schneider
R. J. Puckett (P)		M. Flack	P. Terry
P. Barnhardt (P)		K. Flowers	Amit Patel
		N. Gunderson	J. Webb
		J. Maurice	

P = present, E = excused, A = absent

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

**Distributed documents included:**

C37.13/D20 - C37.13-D19 creating D20  
Request for Clarification response – C37.13 Explanation - 2007-05-04-D2

**Request for Clarification – Satya Prekash Sharma and Mukesh Nimani**

1. Request for clarification response Draft 2 was revised only slightly included reference to current PC37.13 revisions. A copy of the latest PC37.13 draft will be provided with the response. The response to this Request for Clarification will be reported to Low-Voltage Switchgear Devices (LVSD) as completed and ready for review by LVSD. The target is to submit back within one month.

### **PC37.13/D20 Review**

PC37.13/D20 was discussed.

#### 1. 50 Hz, 60 Hz, and 50/60 Hz

The requirements associated with frequency specifically concerning the direct-acting trip system and short-circuit testing were revised into several sections. The basic concept is to add a Test section for direct-acting trip systems for calibration. Also, for ratings, text was added to Ratings section for short-circuit testing requiring tests at each rated frequency if the trip system is frequency dependant. If the trip system is frequency independent, then the short-circuit test may be conducted only at the "worse" case power frequency condition had been previously been setup in Draft 20.

#### 2. Clarification of nonintegrally fused and separately fused

Discussion was based on highlighted sections clarification on clarifying the differences between nonintegrally fused and separately fused construction. The sections with references to terms fused, unfused, integrally fused, nonintegrally fuse as based on highlighted sections by Doug Edwards. The resulting revisions included:

- revision of the definitions including addition of new definition for separately fused
- revision of the Scope
- revisions of various miscellaneous clauses

Action Item: Due to revision of the Scope, a PAR revision request will be initiated.

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

#### **Documents distributed**

C37.27/D14

### **PC37.27/D14 Review**

PC37.27/D14 was discussed.

#### 1. Clarification of nonintegrally fused and separately fused

The discussion was jointly conducted with C37.13 (as detailed above in comment 2). The revisions to C37.27/D14 included:

- revision of the title – changed from and to:
  - changed from - Application Guide for Low-Voltage AC Nonintegrally Fused Power Circuit Breakers (Using Separately Mounted Current-Limiting Fuses)
  - changed to - Application Guide for Low-Voltage AC Power Circuit Breakers Applied With Separately Mounted Current-Limiting Fuses
- revision of the Scope
- revisions of various miscellaneous clauses

2. Discussion concerning the technical soundness and appropriateness of the standard lead to consideration to withdraw the standard. This is balanced with the need for this Guide. C37.13 will not be held up for this review. C37.27 review of this issue will be continued.

Report submitted by: D. Edwards, PE  
PC37.13 and PC37.27 WG Chair