

IEEE Power Engineering Society  
Switchgear Committee  
Low Voltage Switchgear Devices Subcommittee

C37.13 and C37.27 Working Group Report  
St. Pete Beach, Florida  
May 5, 2003

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

PC37.13 WG met Monday morning, May 5, with six members and six guests present, and one member excused. PC37.13/D6 was discussed.

#### Meeting Agenda

1. BIL - General Discussion
2. Review of T. Olsen's comments on D6
3. Review of W. Laubach's comments on D5

#### 1. BIL - General Discussion

Dean Sigmon and Doug Edwards reported feedback of IEC basis from BIL testing. No specific application reasons were identified justifying BIL testing.

After discussion, the BIL references in PC37.13/D6 will be eliminated. Optional BIL ratings and test were considered but also rejected. Discussion included the NEC requirements concerning spacing (clearance and creepage) requirements. The one-minute withstand test only is considered complete and thorough.

#### 2. Review of T. Olsen's comments on D6:

- Editorial: Editorial comments were reviewed and resolved.
- Technical: Technical comments were reviewed and completed.
- BIL: BIL issues were resolved in general discussion.
- Trip Unit settings: Text concerning the settings of trip units will be deleted with respect to the maximum instantaneous phase trip element settings. The details concerning the settings will reference NEC Article 430.
- Short-Circuit current testing: Testing at 50 Hz or 60 Hz was changed to stated that SC tests must be conducted at the rated frequency.

#### 3. Review of W. Laubach's comments on D5

- BIL: BIL issues were resolved in general discussion.
- The balance of Mr. Laubach's comments were not reviewed.

Draft PC37.13/D7 is to be prepared and distributed for comments.

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

Due to computer failure, C37.27 could not be reviewed.

PC37.27 will be distributed for comments.

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