

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

**C37.13 and C37.27 Working Group Report
May 19, 2008 – Orlando, FL**

PC37.13 and PC37.27 working groups (combined) met for afternoon session from 1:30 PM to 5:30 PM on May 19, 2008 with 15 present (6 members and 9 guests) and one (1) member excused.

Note: Attendance is tracking using AMS system (1st meeting using AMS).

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 25 March, 2008 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.

URL for Patent Slides: <http://standards.ieee.org/board/pat/pat-slideset.ppt>

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

Documents distributed

C37.13/D22 – This is “in process” draft with editorial corrections based on ballot comments from C37.13-D21 document.

C37.13/D21 – Comments from C37.21/D21 ballot

Ballot Results

Ballot closed on 14 March 2008.

77 Ballots

84% Response

91% Approval

57 Affirmatives

5 Negative with comment

0 Negative without comment

3 Abstentions

PC37.13/D21 Review

PC37.13/D21 –Creating new D22 was discussed.

1. Editorial Updates

There were a couple of editorial comments from the D21/Ballot. There were incorporated into the draft D22. Specifics were not discussed in detail. .

2. Technical References

There were two technical references that were updated. These were incorporated into the draft D22. Specifics were not discussed in details.

3. Negative Vote – Ambient Temperature

The issue of ambient temperature for the circuit breaker was the only major issue from the Draft D21 ballot.

Discussion points:

Ambient at CB or ambient outside cubicle housing CB

Other testing issues recommendations for C37.50 to address minimum temperature.

Planned action is to add a “temperature class” with two basic classification, -5C to +40C surrounding the CB and -30C to +40C outside the enclosure per C37.20.1. The -5 to +40C allows transition from the previous version of the standard to a new -30C to +40C based on the capabilities that manufactures support they currently have.

- C37.90 has similar descriptions for protective relays and this text will be reviewed for creating C37.13 text.
- A request will be provided to C37.50 to address how to demonstrate this capability by tests with input from the reference to C37.09-1999, clauses 4.13.2 and 4.13.3.
- Ratings to the Nameplate will be added.

This new text will be drafted and distributed for review and then move forward to ballot's 3rd recirculation.

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

Documents distributed

C37.27/D16a – This is “in process” draft with editorial corrections based on ballot comments from C37.27/D16 document.

C37.27/D16 Comments – Comments from C37.27/D16 ballot.

Ballot Results

Ballot closed on 14 March 2008.

63 Ballots

80% Response

96% Approval

48 Affirmatives

2 Negative with comment

0 Negative without comment

1 Abstention

PC37.27/D16 Review

PC37.27/D16 was discussed.

1. Editorial Revision

Minor editorial revisions were made and shows in draft D16a.

Action Item: Document will be HELD for release once C37.13 ballot is completed.

2. Resolution of Negatives

The negatives have emails stating acceptance of the current status for the document so these can be considered resolved.

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

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C37.13 and C37.27 Attendance

Role	Participation Status	First Name	Last Name	Email	Company	5/19/2008
Chair	Active	Doug	Edwards	doug.edwards@siemens.com	Siemens PT&D	X
Vice-Chair	Active	Keith	Flowers	keith.flowers@ieee.org	Siemens Energy & Automation	X
Member	Active	Charles	Morse	allanmorse@ieee.org	Eaton Corporation	X
Member	Active	Michael	Sigmon	dsigmon@ieee.org	ABB Inc.	X
Member	Active	Donald	Colaberardino	d.colaberardino@ieee.org	Eaton Corporation	X
Member	Active	David	Dunne	david.dunne@us.schneider-electric.com	Schneider Electric	X
Member	Active	T	Olsen	t.olsen@ieee.org	Siemens PT&D	
Member	Active	Albert	Livshitz	livshitz@ieee.org	Square D Services	
Member	Active	Paul	Barnhart	paulbarnhart@ieee.org	Underwriters Laboratories	
Member	Terminated	James	Wiseman	jim.wiseman@us.schneider-electric.com	Schneider Electric / Square D	
Member	Active	Robert	Puckett	robert.j.puckett@ieee.org	Retired	
Member	Active	Paul	Sullivan	paul.b.sullivan@usa.dupont.com	DuPont	
Member	Active	Carl	Schneider	carlschneider@ieee.org	Square D	
Guest	Active	Jarrod	Coomer	jarrodcoomer@ieee.org	Eaton Corporation	X
Guest	Active	Nancy	Gunderson	n.gunderson@ieee.org	Schneider Electric / Square D	X
Guest	Active	Harry	Josten	harry.josten@ieee.org	Siemens Energy & Automation	X
Guest	Active	R.	Long	bill.long@ieee.org	Eaton Corporation	X
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Guest	Active	Amit	Patel	amitpatel@ieee.org	GE	X
Guest	Active	Dan	Hrncir	danehrncir@eaton.com	Eaton	X
Guest	Active	Paul	Terry	paul.a.terry@ieee.org	ABB Inc.	X
Guest	Active	Jeffrey	Hidaka	jeffrey.h.hidaka@us.ul.com	Underwriters Laboratories	X