

Switchgear Committee
 C37.16 Working Group Report
 7 May 2007

This was the fourth working group meeting for C37.16. The meeting was called to order at 13:35.

Attendance included 11 WG (of 18) members and 3 guests. Attendance is as shown below:

Attendance

Members	P/A	Guests	
Paul Barnhart	a	Rahul Sarin	
Don Colaberardino	p	Michael Abrahamsen	
David Dunne	p	John Webb	
Doug Edwards	a		
Mike Flack	p		
Keith Flowers	p		
Nancy Gunderson	p		
Ward Laubach	a		
Albert Livshitz	a		
Jean-Claude Maurice	p		
Deepak Mazumdar	a		
Allan Morse	p		
Jeff Mizener	p		
George Nourse	a		
Ted Olsen	a		
Charles Ross	p		
Paul Sullivan	p		
Dean Sigmon	p		

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.

General:

The PAR for this project was approved by IEEE-SA in December, 2006.

The meeting adjourned at 17:25PM.

Report submitted by: N. W. Gunderson and J. C. Maurice, WG Co-Chairs

The PAR was approved in December 2006.

Charles Ross presented his opinion on the issue with the change in the tables for dc traction breakers. There is no consensus on exactly which way we should go (include new rating for 9 MW rectifiers, or add a new table on Extra Heavy duty breaker changing the value of time constant). Charles Ross works with the Vehicular Technology Society, Rail Transit group committee and will coordinate information from them on future changes. Their next meeting is June 21-22, 2007. Because of a lack of expertise in the present working group of C37.16, a motion to delete table 11 and leave table 11a and 12 as they have been, until this sub-committee come back with a consensus, was accepted, and passed with a unanimous vote. This WG expects to go to ballot with the tables as noted here, and then a corrigenda may be necessary after C37.14 working group and the Rail Transit group have made decisions on the values for tables 11a and 12.

Other changes

- The value of 125 000 A short circuit rating was added to paragraph 4.1.5.
 - On table 9, ratings of 8000A and higher were erroneously added during a previous draft. They will be deleted.
 - Dean Sigmon is in charge of reviewing the table 8, 9 and 10 on dc general purpose breaker and mining application. Charles Ross will contact people in mining application to verify if there is any use of the table 10.
 - Long discussion regarding renumbering of the tables, and clarifying the standard. The problem of reference from other standards and users was addressed. A vote was taken for:
 - renumber the tables starting with number 1 without any letter;
 - Place the tables and other information in a logical order;
 - Near the title of the new table place a reference to its number in previous edition;
 - Add an annex explaining all the moves that have been done and listing titles of tables which have been deleted.
- 10 members voted in favour of the motion and 1 member abstained.
- Tables 7 and 14 for field-discharge circuit breakers have been put back because the standard C37.18 has not been withdrawn.
 - Discussion on Table 22 , Preferred trip system current ratings and settings
 - An explanation for the values in table 22 was added;
 - Removed the column titled "line number" on the table;
 - Added the values of a 100 and 250 A electronic sensor.
 - Keith Flowers and Jeff Mizener proposed values for the range of the electronic trip device that will be add with the values of the Electro-mechanical trip device. The information in Tables 1B and 2 for electromechanical devices will be preserved with the formatting of the present published standard. Information related to the electronic devices will be reformatted.

J.C. Maurice and N. Gunderson will create Draft 9, with a target of July. Members are asked to read Draft 9 very carefully as most information will be moved around. Comments are expected so that Draft 10 will be ready for the meeting in October in Philadelphia.