

**SWITCHGEAR ASSEMBLIES SUBCOMMITTEE
MINUTES OF THE FALL, 2001 MEETING**

**LOEW'S Le CONCORDE HOTEL
QUEBEC CITY, QUEBEC, CANADA**

The meeting was called to order by Chair D. Lemmerman at 1:40 PM on Oct. 3, 2001 with the introduction of the following members and guests:

Members:	C. Ball T. A. Burse D. J. Edwards	D. Gohil D. J. Lemmerman	A. F. Morgan P. J. Notarian	T. W. Olsen M. Wactor
Guests:	P. Dwyer D. Elliott	J. Machimada	N. Simon	S. Slattery
Excused:	J. J. Dravis J. M. Jerabek W. E. Laubach	W. C. McKay G. R. Nourse G. O. Perkins	E. A. Peters R. J. Puckett	G. Sakats S. H. Telander
Absent:	E. R. Byron	R. K. Iyer		

The minutes of the Spring, 2001 Switchgear Assemblies Subcommittee meeting in Charleston, SC, were approved with no corrections.

ADSCOM Report

ADSCOM Committee Report: Mr. Lemmerman reported that:

- M. Glinkowski discussed the various IEEE awards, and the nomination procedure, which is located on the website in the ER&P area.
- M. Glinkowski requested that Word6 be used for minutes, and that specific file names (to be advised later) be used. Minutes should be turned in within two weeks.
- M. Glinkowski is also updating the bibliography and asked for volunteers.
- J. Nelson needs volunteers to review papers. If interested, contact him to complete his information survey.
- Harmonization with IEC was discussed. It was pointed out that IEC is changing the numbers on the documents of interest to us. A few of the numbers are as follows:

62271	Overall designation : High Voltage Switchgear and Controlgear	
62271-001	Common Standards of SC 17A and SC 17B	Common Clauses (e.g., 60694)
62271-100	Standards of SC 17A	HV Circuit Breakers (e.g., 60056)
62271-200	Standards of SC 17C	Assemblies (e.g., 60298)
62271-300	Guides prepared by SC 17A or SC 17C	Application Guides

- T. Burse raised an issue that the latest draft of IEC 60298 deletes the concept of "metal-clad". A motion was made to prepare a strongly worded statement of protest over this change.

WORKING GROUP REPORTS

The following working group reports were presented:

- C37.20.1 (Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear) (attached). The D11 ballot was 100% affirmative for the IEEE-SA ballot and also for the C37 ballot. 139 comments were received, and decisions reached on final modifications. Based on this, D12 will be prepared for re-ballot in the next few months.

- C37.20.3 (Metal-Enclosed Interrupter Switchgear): This was held over pending resolution of the ASC C37 ballot. Since Mr. Byron is now inactive, no further activity will occur. This WG is closed.
- C37.20.4 (Indoor AC Medium Voltage Switches for Use in Metal-Enclosed Switchgear) This has the same status as C37.20.3, and the WG is closed.
- C37.20.7 (Guide for Testing Medium-Voltage Metal-Enclosed Switchgear for Internal Arcing Faults) (attached) Changes to address negative comments were finalized. Three negatives are regarded as non-resolvable. The document will go to the Standards Board this year. The companion paper will be presented at the IEEE PES T&D on October 31.
- C37.21 (Control Switchboards) (attached). D8 will be issued for ballot before the end of this year. A motion 1A was previously approved at the Fall, 2000 meeting in Tucson.
- C37.23 (Standard for Metal-Enclosed Bus and Guide for Calculating Losses in Isolated Phase Bus) No meeting was held. The draft is ready for ballot.
- C37.24 (Guide for Evaluating the Effect of Solar Radiation on Outdoor Metal-Enclosed Switchgear) Draft D5 is ready for ballot, and has been reviewed by the editors. A motion 1A was previously approved at the Fall, 2000 meeting in Tucson.
- C37.100.1 (Common Clauses Working Group) A merged document with the input from all eight task forces has been created and will be reviewed in total by the complete C37.100.1 WG in the next few months. For additional details, refer to Common Clauses WG minutes which will be posted on the (<http://www.ewh.ieee.org/soc/pes/switchgear/index.htm>). It is still unclear when the document will be ready to go out for formal ballot.

OLD BUSINESS

- C37.20.7 Arc Resistant equipment: D. Swindler had volunteered to draft an application guide for dealing with arcing faults, including the use of equipment tested to the requirements of the arc resistant testing document, and with means to mitigate the effects of arcing faults, and related issues. This would likely be a separate document from C37.20.7. It is agreed that such a document is needed, but it is not clear yet what the exact content or format would be. With the retirement of Mr. Swindler, this project is moving slowly.

NEW BUSINESS

- Future standards directions: ADSCOM has asked each subcommittee to define their future standards with reference to harmonization with IEC. It had been agreed earlier that the chair of each active WG would be responsible for the task force to compare the existing standards (IEC or ANSI/IEEE) which deal with their respective switchgear assemblies.
- IEC 60298 is out for comment (17C-266-CD), with comments due to the SC 17C Secretariat by Oct. 12. SA members are asked to review the document and get comments to P. Dwyer using "form 8c" (available on the website) by the end of the day, Monday, Oct. 8.
- A WG in HVCB is working on a supplement to C37.013 (Generator Circuit Breakers) to extend the range of ratings downward into the range of ratings that can be served with C37.20.2 metal-clad switchgear and drawout circuit breakers. A request will be made of the WG chair to provide copies of WG correspondence for coordination purposes.
- Switchgear Assemblies subcommittee document status summary was distributed and reviewed. This document lists all documents that this subcommittee sponsors or co-sponsors.

- Meeting Rooms- Room requests and equipment needs (overhead projectors, etc.) should be forwarded to D. Lemmerman by Nov. 15, so that he can forward to J. Nelson.
- Next Meetings:

April 29 – May 2, 2002	Newport, RI
October 7-10, 2002	Galveston, TX

The meeting adjourned at 4:56 PM.

T. W. Olsen, Secretary