

**MINUTES OF MEETING
BUSHING SUBCOMMITTEE
OF THE
IEEE/PES TRANSFORMER COMMITTEE
JACKSON, MS
MARCH 08, 2005**

8.12 Bushing Subcommittee – Fred Elliott, Chair

8.12.1 Introduction/Attendance

Fred opened the meeting at 3:00 PM and welcomed the members and guests. There were 47 attendees with 16 members and 31 guests present. 3 guests requested membership to the Bushing Subcommittee.

IEEE patent policy was addressed and no patent conflicts were reported.

8.12.2 Approval of Minutes of Last Meeting

The minutes were approved as written.

8.12.3 Chairman's Remarks

Fred made the following remarks after attending the Administrative Subcommittee.

- The Fall 2005 Transformer Committee meeting will be in Memphis, Tennessee, October 23-27, hosted by Randy Williams and ABB Inc. Technical tours (ABB, MR and ERMCO) will be scheduled.
- AM system will be used for future administration/registration process. Members are encouraged to use the system and pre-registration before the mtg was strongly recommended to avoid high costs resulted from late registrations.
- For effective communications, the members can have their documents posted on the web, please notice that 500 kB will be the limit of file size.
- Transformer committee meeting format will stay at 3.5 days. Thursday meeting will be more efficient and all the reports should be short and to the point.

8.12.4 Working Group (WG) and Task Force (TF) Reports

8.12.4.1 WG - Revision of C57.19.00 - Keith Ellis, Chair

Keith reported that ;

- The final document is under editorial review process, and will be ready end of the year.
- At the same time, a request has been submitted to extend the PAR.

8.12.4.2 TF - Revision of C57.19.100 – Tommy Spitzer, Chair

The chair called the mtg to order at 11:00 am, March 15 with 19 members and 31 guests, 3 of whom requested for membership. The members and guests were introduced.

The patent information was shown and discussed. No patents were disclosed.

The minutes of the Las Vegas meeting were then approved.

The application of outdoor bushings to indoors was discussed. Wording will be added to clarify some of the definitions. We will add a section to explain alternative materials that may improve performance in some instances.

Bushing storage was reviewed and discussed. This section will be revised to clarify the PCB information. The structure of this section will also be revised.

Bushing monitoring was discussed. Wording of this section will be revised to conform to industry standards.

The timing of this standard was discussed. The meeting was polled and it was felt that the standard needs to be revised. The bushing subcommittee was approached on this and a PAR will be initiated.

The discussion on draw lead extension was made. This section will be set up in two parts, one for extensions from manufacturers for use with their bushings and the another for users to help them adapt older bushings.

The meeting was adjourned at 12:00 noon.

8.12.4.3 TF – Bulk Bushings – Bob Hartgrove, Chair

No mtg / report.

8.12.4.4 C57.19.03 – DC busing Standard

Fred Elliott reported during SC mtg that ;

- An initial draft of the corrigendum has been circulated to the members of the TF for comments, and being reviewed.
- A revised draft will be sent out soon for balloting with the new system.

8.12.4.5 IEC Bushing Standards Activity - John Graham of Trench Ltd., UK

As per reported, there has been a little progress with the revision of IEC60137. A Committee Draft was issued last year and the comments received were discussed at a meeting held at NEMA headquarters in December 2004. Some items have been referred back to the Maintenance Team for further discussion. The plan is for a further (Final) Committee Draft by June 2005.

8.12.5 Old Business

- C57.19.01 will be due for action end of the year (reaffirmation, revision or withdrawal). A survey for action options was sent to the members (32) and 19 responses were received: 16 for reaffirmation and the balance for revision. Based on the results, the reaffirmation was suggested and a PAR will be requested.
- TF - Bulk Bushings: Fred expressed that TF was pre-maturely dismantled since high current bushings for GSU application still needed to be addressed. A session will be scheduled in Memphis mtg.

8.12.6 New Business

No topic was suggested for new business

8.12.7 Technical Papers

No activity was reported for this mtg.

8.12.8 Adjournment

The meeting was adjourned at 3:30 PM.

Minutes submitted respectively by,

Peter D. Zhao

Secretary
Bushing Subcommittee