

WG – Bushings for HVCB and GIS, PC37.017
Minutes of Meeting
Denver, CO
29 Sept 2009

The meeting was attended by 31 participants, including 15 members and 16 guests.

IEEE slides related to patent policy were reviewed.

The Chair described the project background, Scope and Purpose of the standard, and a proposed schedule for the project.

Draft D2.1 was reviewed. This draft includes the contributions received from the working group members.

Most of the meeting time was devoted to the discussion of bushing cantilever loadings and test methods. The chair described the loading requirement of bushings as currently specified in the IEEE C37.04, IEC 62271-100, and IEC 60137 standards. The cantilever loading specified in the IEEE C37.04 and IEC 62271-100 for circuit breaker bushings are very much similar and include longitudinal, transverse, and vertical loads. The loading specified in the IEC 60137 for bushings, including GIS bushings, is on the other hand specified as a single resultant static force comprising longitudinal, vertical and transverse forces. The bushing test values are twice the rated load values.

There does not seem to be a readily apparent reason why GIS and circuit breaker bushings should require different cantilever loading values resulting from the substation buswork in a given substation.

It was proposed that we adopt IEC 60137 standard load and test values and test procedure for our bushing standard provided these are not lower than what is currently specified in the IEEE standards.

C37.017 draft will be revised and circulated to the WG members for review, and if there are no significant objections, we will proceed for an IEEE ballot.

We will aim for a ballot before the end of this year.

Devki Sharma
Chair-WG C37.017