Meeting Minutes of Working Group
C37.017 Bushings for HVCB and GIS
Oct. 9, 2019 San Diego, CA

Chair: Devki Sharma
Secretary: Carl Schuetz

Introduction of members and guests
Attendees: 23
Members: 9 (20 listed)
Guests: 14

Approval of agenda
Motion to approve: Quorum not present
Second:

Approval of meeting minutes from Burlington
Motion to approve: Quorum not present
Second:

Review of GIS meeting minutes from San Francisco
No comments received.

Verbal call for patent identification
Result: No patent claim identified

Report on GIS SC meeting in San Francisco
No comments received.

Review of PD test survey results
A survey was sent via e-mail to all members of the working group.
Question was asked if PD requirements are for GIS only. Chair response was yes. PD testing in existing standard was not required if the insulator manufacturer has completed electrical tests, however GIS WG members did not feel it was sufficient to rely upon the testing by the insulator manufacturer. Accordingly, the PD test requirements in the draft standard for Design and routine testing were modified and WG surveyed for acceptance. The WG response was to accept the change.

Review of comments received on draft 4
The chair reviewed all changes made in the document.
A comment was made that this standard may/may not be thought to apply to non-pressurized hollow core bushings; such as in reclosers. The chair expressed the belief that such a bushing should be covered by this standard however, writing such clarification would require a change of scope. The attendees agreed that this item could be tabled and identified for inclusion in the next revision.
A comment was made that the strike distance has been removed and should be included. The chair agreed to re-insert strike distance in the Definition clause and discuss with the Substation Committee.
A comment was made that a beneficial inclusion would be insertion of a table that lists the bushing requirements. The chair explained that these requirements were already present and that one table would

be very large to include. This is because each specific type of bushing, porcelain or non-porcelain, has their own set of design test requirements.
A comment was made that this standard does not include solid dielectric bushings used in medium-voltage gas circuit breakers. The commenter requested inclusion of a solid core bushing in this document and if this is not possible to exclude this bushing type. The chair replied that solid core bushings are included and requested from the commenter a list of tests for solid core bushings (design, production, others).
A comment was made that the tightness test requirement value listed does not coordinate with C37.04. The chair explained that the document contains statements in multiple locations that refers the reader to specific values that are contained by the relevant standard according to the application, C37.122 for GIS and C37.04 for circuit breakers.
The chair requested that further comments be made before the next WG meeting of the JTCM held from Jan. 12 – 16 2020 so that they may be incorporated into the Substation Committee meeting.

Action Items
Incorporate additional comments from this working group session and circulate draft 5 before the Jacksonville meeting,.

Next Meetings
JTCM Jan.12 – 16 2020, Jacksonville FL

Submitted by: Carl Schuetz
PC37.017 Secretary

Attendance

Last Name	First Name	Company	Role	Attended in San Diego
Aristizabal	Mauricio	ABB	Member	X
Bufi	Arben	Hitachi T&D Solutions, Inc.	Member	X
Cosby	Bianca	San Diego Gas & Electric	Guest	X
Crist	Daniel	Siemens Industry, Inc.	Guest	X
Door	Jeffrey	The H-J Family of Companies	Member	X
Dwyer	Bernie	PECO	Guest	X
Eftink	Emily	Burns & McDonnell	Guest	X
Fennell	Howard	Nashville Electric Service	Guest	X
Flack	Michael	Southern Company Services, Inc.	Guest	X
Frazier	Raymond	Ameren	Member	X
Hohnstadt	Benjamin	DTE	Guest	X
Jarnigan	Christopher	Southern Company Services	Guest	X
Liu	Hua Ying	Southern California Edison	Member	X
Liu	Hua Ying	Southern California Edison	Guest	X
Montoya	Stephanie	Southern California Edison	Member	X
Morse	Charles	Siemens Industry, Inc.	Guest	X
Orosz	Miklos	Myers Controlled Power	Guest	X

Parsi	Sean	Dexotech	Guest	X
Schuetz	Carl	American Transmission Company (ATC)	Secretary	X
Sharma	Devki	Entergy	Chair	X
Shinde	Sushil	ABB Inc.	Member	X
Ward	Jeffrey	Doble Engineering Company	Guest	X
Wen	Jerry	BC Hydro	Guest	X
Zhang	Wei	Hitachi T&D Solutions, Inc.	Member	X