

Meeting Minutes of Working Group C37.017 Bushings for HVCB and GIS May 1, 2019 Burlington, VT

Chair: Devki Sharma
Vice-Chair: Dan Schiffbauer
Secretary: Carl Schuetz

Introduction of members and guests

Attendees: 45
Members: 11
Guests: 34

Approval of agenda

Motion to approve: Xi Zhu
Second: Victor Hermosillo

Verbal call for patent identification

Result: No patent claim identified

Report on JTCM at Anaheim on 16 Jan 2019

The Chair met with the Substation Committee working group at the Joint Technical Committee in Anaheim and received comments and suggestions from the Substation Committee WG portion of the standard.

Review of comments received on draft 1 from Substation Committee working group

The Chair reviewed initial revisions to the document.

Received a comment that the Scope should not apply to capacitor bushings. Further clarification needed from the Std Coord to determine if the proposed comment would necessitate a needed change in the PAR. In order to avoid seeking IEC permission for definitions, several new definitions were provided and approved by the Substation Committee.

References to C37.06 were identified and these need to be changed to C37.04.

Attendee comment recommend addition of arcing distance as found in IEC Table 1 format borrowed from IEC but loading values are defined by IEEE.

Discussion around Special Tests section of the document seismic testing-usually performed w/te apparatus it is mounted on. Concensus is to leave these as an agreement between Purchaser and Manufacturer.

Concern from an attendee regarding terminal loading – circuit breakers have loading in three directions but standard has only one cantilever rating. The chair explained that C37.04 is referenced and it provides ratings in 3 directions. The values of Table 1 do not apply for CB but apply for GIS bushings.

Action Items

Circulate the present draft for comments in Swgr and GIS. All comments to be incorporated and circulated by e-mail before the next Swgr mtg

Next Meetings

GIS working group, June 3-6 San Francisco, CA
Switchgear Committee, Oct 6-10, San Diego, CA
JTCM, Jan 12-16, Jacksonville, FL

Submitted by: Carl Schuetz
 PC37.017 Secretary

Attendance

First Name	Last Name	Role	Company	Attended S19
Michael	Anderson	Member	Retired	
Mauricio	Aristizabal	Member	ABB Meramec Instrument Transformer Co.	
Brad	Armstrong	Guest	Co.	X
Arun	Arora	Member	Retired	
Georges	Auguste	Guest	Ameren MO	X
George	Becker	Member	POWER Engineers	
W.J. (Bill)	Bergman	Guest	Bergman& Associates Ltd.	
Gautami	Bhatt	Guest	Bechtel OGC	X
J	Billings	Member	John S Billings Consulting	
Michael	Boulus	Guest	PSE&G	X
Steven	Brown	Guest	Allen & Hoshall	
John	Brunke	Member	Dr. John H. Brunke, P.E.	
Arben	Bufi	Member	Hitachi T&D Solutions, Inc.	X
David	Caverly	Guest	Trench Ltd.	X
Vincent	Chiodo	Member	HICO	
Andrew	Chovanec	Guest	GE Power	
Michael	Crawford	Guest	Mitsubishi Electric	X
Jason	Cunningham	Guest	Southern States, LLC	X
Patrick	Di Lillo	Member	Consolidated Edison Co. of NY, Inc.	X
Jeffrey	Door	Member	The H-J Family of Companies	X
Kirk	Duncan	Guest	Hitachi T&D Solutions	
Pete	Dwyer	Guest	Dwyer Enterprises	
Bernie	Dwyer	Guest	PECO	X
Emily	Eftink	Guest	Burns & McDonnell	X
Arnaud	Ficheux	Member	AREVA T&D	
Raymond	Frazier	Member	Ameren	X
David	Galicia	Member	Ameren	
Peter	Glaesman	Guest	PCORE Electric Company, Inc.	X
John	Hall	Guest	Tennessee Valley Authority Mitsubishi Electric Power Products Inc.	X
Jeremy	Hensberger	Guest	Inc.	
Victor	Hermosillo	Member	GE Grid Solutions	X
Edward	Hester	Guest	Entergy	X
Jingxuan (Joanne)	Hu	Guest	RBJ Engineering Corporation	X
Jennifer	Hunter	Guest	MEPPI	
Bill	Hurst	Guest	GE	

Roy	Hutchins	Guest	Southern Company Services	X
Todd	Irwin	Guest	GE Grid Solutions	X
Christopher	Jarnigan	Guest	Southern Company Services	X
Cory	Johnson	Member	BPA	
jungdae	kim	Guest	hyosung	X
Thomas	Kohler	Guest	Ameren	
Ronny	Konrad	Guest	Huntsman Advanced Materials	X
Carl	Kurinko	Guest	ABB Inc.	X
Scott	Lanning	Member	S&C Electric	
CHANG HOON	LEE	Guest	HYOSUNG Heavy industries	X
Hua Ying	Liu	Member	Southern California Edison	
Bjorn	Lofgren	Guest	Siemens Energy	
Leo	Lopez	Guest	WIKA Instrument, LP	X
Antonio	Mannarino	Guest	PSE&G	X
Vincent	Marshall	Guest	Southern Company Services	X
Douglas	Mason	Guest	ComEd	X
Steven	May	Guest	Southern Company	X
James	McBride	Guest	JMX Services, Inc.	X
Dave	Mitchell	Guest	Dominion Energy	X
Stephanie	Montoya	Member	Southern California Edison	
Yasin	Musa	Member	AEP	
Jeffrey	Nelson	Member	Tennessee Valley Authority	
Mary	Owens	Guest	Eaton	
Justin	Palmer	Guest	ELECTRONSYSTEM MD	
Pathik	Patel	Member	Duke Energy	
Mark	Pattison	Guest	H-J Family of Companies	X
Thomas	Pellerito	Member	DTE Energy	X
Andrew	Peterson	Guest	ABB	X
Bobby	Rich	Guest	Dominion Virginia Power	X
Alex	Salinas	Guest	Director of Operations	X
Daniel	Schiffbauer	Chair	Toshiba International Corporation American Transmission Company	
Carl	Schuetz	Secretary	(ATC)	X
Devki	Sharma	Chair	Entergy	X
Ryan	Sherry	Guest	ITC Holdings Corp.	X
Sushil	Shinde	Member	ABB Inc.	
Robert	Sicker	Guest	FirstEnergy Corp	X
Michael	Skidmore	Member	AEP	X
Don	Steigerwalt	Guest	Duke Energy Mitsubishi Electric Power Products, Inc.	
Ryan	Stone	Member		
Dragan	Tabakovic	Member	Meramec Hubbell Power Systems	
Jeffrey	Ward	Guest	Doble Engineering Company	X
Jeff	Ward	Guest	Doble Engineering Company	

Terrance	Woodyard	Guest	Siemens Industry Inc. Mitsubishi Electric Power Products Inc.	
Richard	York	Member	Hitachi T&D Solutions, Inc.	
Wei	Zhang	Member	American Transmission Company	X
Jim	Zhong	Guest	GE Energy Management	X
Xi	Zhu	Member		