

WG – Bushings for HVCB and GIS, PC37.017
Minutes of Meeting
Myrtle Beach, SC
27 April 2010

The meeting was attended by 40 participants, including 12 members and 28 guests.

Attendees introduced themselves. IEEE slides related to patent policy were reviewed.

Purpose of the meeting was to bring the working group members up-to-date on the status of this project.

- The PAR was approved on 26th Sept 2008.
- This is a standard with joint sponsorship of the IEEE Switchgear, and the IEEE Substation Committee.

The draft D4 was balloted in Feb 2010. There were 121 eligible people in this ballot group. The ballot results are as follows:

This ballot has met the 75% returned ballot requirement.
97 votes received = 80% returned
3% abstention

78 affirmative votes
16 negative votes with comments
0 negative votes without comments
3 abstention votes

The 75% affirmation requirement is being met.
78 affirmative votes
16 negative votes with comments

94 votes = 82% affirmative

There are 166 comments. Most of the comments are generally editorial in nature requiring formatting corrections, or additions to emphasize certain statements. The major technical negative comments are on the lack of a partial discharge test, and the lack of short circuit withstand forces in the table on cantilever withstand strength of the bushings. The balloters wanted to have a PD test added similar to the PD test requirements for bushings in IEC 60138.

All comments were compiled in a spreadsheet, with a proposed comment resolution. The comments spreadsheet and a revised draft including proposed resolution were circulated in March, to the working group members to obtain their agreements or suggestions. Many members have emailed their acceptance of the proposed resolution.

In the meeting there was discussion on how to represent short circuit withstand forces, in addition to the static loading at the bushing terminals as a standard terminal loading requirement. After considerable discussion it was agreed to retain the current cantilever strength table in the standard, with a note that values listed do not include additional forces due to short circuit, seismic, wind or ice loadings. Note that the current table listing terminal loading and test values is similar to the IEC bushing standard. (We had previously obtained approval from IEC to use this table). Guidance for calculating short circuit and other terminal loads will be considered as a future topic for inclusion in C37.04.

The draft has been revised to include partial discharge testing of bushings similar to the IEC standard 60138.

Working group members were requested to review the proposed comment resolution spreadsheet again and provide additional comments/suggestions if any before the end of next week (May 7, 2010).

The draft D5 of C37.017 will be submitted to IEEE to initiate a recirculation before Friday, 14th May.

Devki Sharma
Chair-WG C37.017

Bushings for HVCB and GIS
Attendance List

Myrtle Beach, April 27, 2010

	First Name	Last Name	Company	Email (Please print in CAPITAL letters)	Member/Guest
MA	Mike	Anderson		mikeeanderson@ieee.org	M
	Arun	Arora		arunarora@ieee.org	M
BB	Paul	Barnett	TVA	rbarnett@tva.gov	M
BS	Bill	Bergman		bergman@ieee.org	M
JSB	Stan	Billings	MEPPI	s.billings@ieee.org	M
	Philip	Bolin	Mitsubishi Electric Power	phil.bolin@meppi.com	M
	John	Brunke		john.brunke@ieee.org	M
AS	Arben	Bufi		benb@hvbi.com	M
PR	Pat	DiLillo		dilillo@coned.com	M
	Markus	Etter	ABB Inc.	markus.etter@us.abb.com	M
	Arnaud	Ficheux		arnaud.ficheux@areva-td.com	M
	Patrick	Fitzgerald	CGIT Systems	patrickfitzgerald@azz.com	M
DG	Dave	Galicia	Ameren	dgalicia@ameren.com	M
	David	Giegel	Mitsubishi Electric Power	dave.giegel@meppi.com	M
	Charles	Hand		charles.hand@sce.com	M
CWJ	Cory	Johnson		cwjohanson@ieee.org	M
	Hermann	Koch	Siemens AG, E T QI2	hermann.koch@siemens.com	M
HYL	Hua	Liu	SCE	hua.liu@sce.com	M
	Yasin	Musa		yimusa@aep.com	M
JAN	Jeff	Nelson	TVA	jeffnelson@ieee.org	M
	Joseph	Pannunzio	AREVA T&D CANADA INC	joseph.pannunzio@areva-td.com	M
DP	Tom	Pellerito		pelleritot@dteenergy.com	M
SK	Devki	Sharma		devkisharma@ieee.org	M
	Ryan	Stone		ryan.stone@ieee.org	M
	Brian	Withers	Mitsubishi Electric Power	brian.withers@meppi.com	M
	Rich	York		richyork@ieee.org	M

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Attendance List

Jon	Rogers	Siemens	jon.rogers@siemens.com	G
Bjorn	LOFGREN	SIEMENS	BjornLOFGREN@SIEMENS.COM	G
VINCENT	MARSHALL	Southern Company	VAMARSHA@SOUTHERNCO.COM	G
M.Ke	SKidmore	AEP	MLSKidmore@aep.com	G
Chet	Chow	PEPCO	cchow@pepco.com	G
DAVID	LEMMERMAN	PECO/EXELON	DAVID.LEMMERMAN@PECO-ENERGY.COM	G
FRANK	RICARD	FirstPower	frank.ricard@FirstPowerGroupLLC.com	G
Mike	Crawford	MEPPI	michaelfcrawford@ieee.org	G
Rod	Sauls	SCS	rsauls@southernco.com	G
HONGBIAO	SONG	Bechtel	HSONG@BECHTEL.COM	G
Inna	Liu	ZHEJIANG TITAN	inna@zjetitan.com	G
Xi	Zhu	HICO America	xzhu@hicoamerica.com	G
Dave	Johnson	consultant	dsjohnson@iepp.org	G
HUA-YING	LIU	SCE	HUA.LIU@SCE.COM	M
Steven	Chen	Eaton	stevenzchen@eaton.com	G
Tom	Petterito	Detroit Edison	petterito@dteenergy.com	M
CARL	KURINKO	ABB INC	CARL.R.KURINKO@US.ABB.COM	G
Sushil	shinde	ABB Inc	sushil.shinde@us.abb.com	G
MAURICIO	ARISTAZABAL	PA BREAKER	m.aristazabal@ieee.org	M.
MIKE	ANDERSON	ATC	mikeanderson@atell.org	M
Cody	Brehm	ATC	cbrehm@atellc.com	G
George	Montillet	CFM Consulting	george.montillet@ieee.org	G
Denys	Dufournet	AREVA T&D	denis.dufournet@areva-td.com	G
GILBERT	CARMONA	Southern Cal. Edison	glibat.carmona@sce.com	G
Stephanie	Montoya	SCE	Stephanie.Montoya@SCE.com	G
DAVE	MitCHELL	DOMINION	DAVE.MITCHELL@DOM.COM	G
Daryl	Hallmark	Southern Co.	dkhallma@southernco.com	G
ALAN	PETERSON	UTILITY SERVICES CORP	apeterson@utillserv.com	G
Neil	McCord	Southern States	neil.mccord@ieee.org	G
Don	Cantrelle	Southern Co.	djcantrel@southernco.com	G
Victor	Hermosillo	AREVA	victor.hermosillo@areva-td.com	G