

IEC/IEEE 65700_19_03 DC Bushings WG

Minutes of 2022 Spring Meeting
Tuesday, March 29th, 2022- 4:45 – 6:00 PM
Hyatt Regency – Denver, CO – Centennial D-E

Eric Weatherbee - Chair

Vacant – Vice Chair

J. Arturo Del Rio – Secretary

Acting WG Meeting Chair: J. Arturo Del Rio

The WG met on Tuesday, March 29th, 2022 at 4:45 pm.; with 8 participants.

1. Welcoming and Call for Patents, Copyrights

- The meeting was called to order at 4:45 PM by the Chair.
- The call for potentially essential patents and copyrights issues was made. None were reported.

2. Quorum

- 4 Members of the 10 WG Members were present therefore quorum was not met. Agenda and previous meeting minutes could not be approved.
- 3 active participants of the Joint Team (JMT) were attending the meeting
- The Chair requested participation from utility and user representatives

3. Update on Join Team activity

The first joint meetings (JMT) were held by teleconference on February 15 and 16, 2022, from 1:00pm to 3:00 pm (Central European Time).

3.1. Established three Task Forces (TF) to address subjects, requiring expertise in the respective area.

a. TF1 to review and suggest updates in case Voltage Source Converters (VSC) are included in the standard.

b. TF2 to review and suggest updates to the altitude corrections and pollution parameters.

c. TF3 to review and suggest updates to the special tests section, regarding even and uneven wetting.

3.2. Sections and parts of the document were highlighted red, yellow, or green according to importance, accordingly:

- a. Review and propose updates to Category Green, referring to the compilation of comments and setting up the structure for a Committee Draft (CD).
- b. Review and propose updates to the complete section 6 in IEC/IEEE 65700-19-03 since the purpose is unclear.
- c. A review of the yellow-marked sections in the compilation of comments started and comments from the delegates.

4. New business:

4.1 How to proceed with section 6 General requirements?

This part seems to be a legacy from an older IEEE DC bushing version and is not 100% aligned with C57.19.00.

In all new standards like C57.19.01 (see below) or C57.19.03 the part of General requirements is only referencing to the main standard

3. General requirements

Refer to IEEE Std C57.19.00 for general requirements, definitions, and methods of measurements or tests applying to detailed requirements given in [Clause 4](#).

It was mentioned the necessity of updating or deleting this section in the next revision of the standard. The question was the IEEE view on that?

In other joint standards a reference to both standard families were included. So, we can handle it in a similar way and reference to IEEE C57.19.00 and to IEC 60137 (Chapter 6: Ordering information and markings - which is more detailed).

Alternatively, an update to the existing C57.19.00 or IEC 60137 could be proposed.

4.2 Meetings for other Joint standard development held the working group meeting partly as in person before or after IEEE Fall / Spring meetings, which brought an efficient collaboration. We can propose an in person Joint Team WG meeting before or after the Fall 2022 meeting in Charlotte.

4.3 Nameplate markings for OIL type bushings should state PCB contents.

Meeting was adjourned at 5:15pm

Next JMT JOINT Meeting

To be held by Zoom teleconference service on two consecutive days.

Tuesday 31st of May 2022 from 13:00 to 15 00 (Central European Time).
Wednesday 1st of June 2022 from 13:00 to 15 00 (Central European Time).

Next WG Meeting

F22 - Charlotte, NC. October 16th – 20th, 2022

Respectfully submitted,
Secretary: Art Del Rio (a.delrio@ieee.org)

Attendance and status:

Last name	Name	Affiliation	Status
Cruz Valdes	Juan Carlos	Prolec GE	Member
Sen	Cihangir (John)	Duke Energy	Guest
Pointer	Klaus	Trench Austria	Guest
Kaineder	Kurt	Siemens Energy	Member
Euvard	Eric	RHM International	Guest
Gazivoda	Dora	Konkar Inst. Transf.	Guest
Radbrandt	Ulf	Hitachi Energy	Member
Del Rio	Art	Siemens Energy	Secretary