

**C37.23 Metal-Enclosed Bus Working Group
Meeting Minutes (by Mark Roberson, Secretary)
04/18/23 (Tuesday), 10:15 AM EST
Sheraton Sand Key Resort, Clearwater Beach, FL**

1. Call to Order

The meeting was called to order by Jared Hines, Chair at 10:15 AM (EST)

2. Introductions and Attendance

Jared Hines introduced himself as the Chair and Mark Roberson as the Secretary for this Working Group (WG) and welcomed all members and guests. There were 30 total attendees (see end of this document for list) that were present. Each attendee confirmed their participation via verbal response as well as entering their name and affiliation on the attendance sheet:

- 30 total people attended
- 14 of 23 (60.8%) WG members participated, thus quorum was met
- 16 guests participated

3. Previous Meeting (Fall 2022) Minutes

Jared presented the meeting minutes from the previous meeting held on October 17, 2022. Russell Boyce moved to approve those minutes by consent and Michael Wactor seconded.

4. Meeting Agenda

Jared presented/reviewed the meeting agenda. Paul Barnhart moved to approve it by consent with Michael Wactor seconding.

5. IEEE Working Group Policies and Procedures/Copyright Policy/Patent Policy

Jared presented/reviewed the IEEE (SA) approved Working Group Policies and Procedures protocol, which can be found here: [http://www.ewh.ieee.org/soc/pes/switchgear/O-and-P/PES_WG_PP-Switchgear--approved-\(2013-09-19\).pdf](http://www.ewh.ieee.org/soc/pes/switchgear/O-and-P/PES_WG_PP-Switchgear--approved-(2013-09-19).pdf).

In addition, slides were reviewed that cover the IEEE-SA copyright and patent policies. Jared asked if there were any patent claims. ***No issues were voiced by the meeting attendees.***

6. Document Status Report

Jared mentioned that the new C37.23 PAR, which was formally approved by NESCOM on September 23, 2020, expires on December 31, 2024.

A question was asked as to whether the “scope” in the PAR matches the wording in the D2 version of the draft standard. After reviewing the PAR and D2 draft, it was determined that this wording in the two documents do match.

7. Old Business

Jared noted that he received approval from IEEE for the previous draft revision’s (D1) copyright wording that include changes made to conform to IEEE C37.20.2 and C37.20.3. Now that a process to handle copyright questions is in place, the WG can get approval, if needed.

8. New Business

Mark Roberson noted that he sent with this meeting's notice the following documents:

- Latest C37.23 draft standard (D2)
- Proposed Annex K from C37.20.7 (Guide for Testing Switchgear Rated Up to 52 kV for Internal Arcing Faults)
- Blank C37.23.D2 "Comments" file to be returned via email with any comments

Jared reviewed (along with WG discussion) each comment in the file that was returned. During discussion of these submitted comments, two Ad-Hoc groups were formed to provide resolution. The following is further detail on comments and WG discussion related to those newly formed groups. Since the revision of this Annex affects the finalization of the C37.20.7 standard, it has been requested that the AdHoc **finalize these recommendations ASAP with overall approval by the WG within 60 days (by June 18, 2023):**

AdHoc Committee: C37.20.7, Annex K

- Adrian Lopez – Chair
- Monique LaTerreur
- Chirag Patel
- Mark Roberson
- Michael Wactor

Section K.2:

- Part **a)**:
 - Add the following new statement: **5)** "The enclosure of the test sample shall be grounded."
- Part **e)**:
 - Since Force Air Cooled IPB contains air that is deionized/mixed between phases (per C37.23 7.5.1.4), does the test methodology in this section need to be modified?
 - Incorrect lettering list...**e)** should be followed by **f), g), h)**

Section K.4.2.1:

- Need clarification on the arc initiation point. Should it be attached via some other point in order not to materially alter the sample if a joint or other attachment is not available as part of the design?

Section K.4.2.4:

- If IPB is to be tested as a single phase, why is it specified that *any* phase is to be connected to the grounded enclosure?

AdHoc Committee: C37.23, Section 7.10

- Paul Barnhart – Chair
- Jared Hines
- Monique LaTerreur
- Chirag Patel
- Mark Roberson
- Michael Wactor

Section 7.10

- Review this section to determine whether “construction” requirements need to be added or listed somewhere else?
- Review the use of wording like “frequently”, which could be changed to “when...” so that the requirements in this section are better defined

9. Next Meeting

The next meeting is currently scheduled to be held during the next Switchgear Committee meetings from October 8-12, 2023. Further details of this planned meeting will be forthcoming before that date via email notification.

10. Adjournment

The meeting ended at 12:00 PM EST.

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Attendee List

Attendees:	Name		Affiliation (if known)	Role
	First	Last		
1	Jared	Hines	(Chair) Eaton	Member
2	Mark	Roberson	(Vice Chair/Secretary) Avail Bus Systems	Member
3	Paul	Barnhart	UL Solutions	Member
4	Francis	Beauchemin	Hydro-Quebec	Member
5	Russell	Boyce	Eaton	Member
6	Bob	Cohn	Powercon	Member
7	Randall	Creach	Avail Switchgear Systems	Member
8	Jeff	Door	The H-J Family of Companies	Member
9	Sergio	Flores	Schneider Electric	Member
10	Dave	Gohil	Avail Switchgear Systems	Member
11	Monique	LaTerreur	STACE	Member
12	Adrian	Lopez	Powell Industries	Member
13	Chirag	Patel	Powell Industries	Member
14	Michael	Wactor	Powell Industries	Member
15	Ashok	Ayyaswamy	Volta	Guest
16	Christopher	Bridges	Eaton	Guest
17	Sudarshan	Byreddy	Burns & McDonnell	Guest
18	Fiori	Coziuc	S & C Electric Co.	Guest
19	Ron	Hartzel	Eaton	Guest
20	Johnathan	Leopard	Eaton	Guest
21	Kevin	McGlown	JST Power	Guest
22	Ken	McKinney	UL Solutions	Guest
23	Mike	Orosz	CBT&S/Myers	Guest
24	Mark	Pattison	The H-J Family of Companies	Guest
25	Alexandre	Pelletier	STACE	Guest
26	Al	Pruitt	Durham	Guest
27	Jeffrey	Ricker	Schneider Electric	Guest
28	Bryan	Tatum	UL Solutions	Guest
29	Jonathan	Wear	JST Power	Guest
30	Eddie	Wilke	Eaton	Guest