

**C37.23 Metal-Enclosed Bus Working Group
Meeting Minutes (by Mark Roberson, Secretary)
04/01/24 (Monday), 10:15 AM EST
Westin Beach Resort, Ft. Lauderdale, 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 **31** total attendees (see end of this document for list) present. Each attendee confirmed their participation via verbal response as well as entering their name and affiliation on the attendance sheet.

- 31 total people attended.
- 11 of 18 (61.1%) WG members participated, thus quorum was met.
- 20 guests participated.

3. Previous Meeting (Fall 2023) Minutes

Jared presented the meeting minutes from the previous meeting held on October 10, 2023. Paul Barnhart moved to approve those minutes with Adrian Lopez seconding. Motion carried by unanimous consent.

4. Meeting Agenda

Jared presented/reviewed the meeting agenda. Paul Barnhart moved to approve with Adrian Lopez seconding. Motion carried by unanimous consent.

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

Jared presented/reviewed the IEEE Participant Behavior – Individual Method guidelines, which can be found here: [Participant-Behavior-Individual-Method.pdf \(ieee.org\)](#)

Jared then presented/reviewed the IEEE (SA) approved Working Group Policies and Procedures protocol, which can be found here: [PE-SWG P&P Sept 2023.pdf | Powered by Box](#)

In addition, slides were reviewed that cover the IEEE-SA copyright and patent policies. [Patent Slides for Standards Development Meetings \(ieee.org\)](#)

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. Since it would be difficult to fully complete the updated standard by the current deadline, a request for a PAR extension (2-year to 2026) will be submitted after the meeting.

7. Old Business

Jared reported that the C37.23, section 7.10 Ad-Hoc group was unable to meet since the last WG meeting, but comments concerning it would be discussed in this meeting or a later online meeting.

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8. New Business

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

- Latest C37.23 draft standard (D3)
- Updated C37.23 "Comment Resolution file" file to be returned via email with any comments.

The following new/updated comments (listed by tracking number in the file) were reviewed by the WG:

- **#15 – Add 2.4 kV row in Table 12 with 4.76 kV values.**
 - Approved and updated in latest draft.
- **#19 – Table 8 should include 2.4kV to reflect the addition of that voltage in Table 2**
 - Approved and updated in latest draft.
- **#20 – The term "bus run" is industry jargon and not defined.**
 - "Bus run" term changed to "A system of metal enclosed bus components that when assembled, installed and energized conduct electrical energy from a source to a load."
 - Approved and updated in latest draft.
- **#22 – Revise or delete Footnote in Table 5**
 - Discussion noted that a similar footnote is listed in C37.20.3, but the word "inaccessible" is not defined.
 - The following definition was proposed, which will be added to the latest draft and reviewed at a future meeting:
 - ***Inaccessible surface*** (with respect to an operator in the normal course of duties) – A surface located at a distance greater than 90 inches above the floor or working platform, or a surface that is against a wall, floor, or ceiling when the equipment is installed in accordance with the manufacturer's installation instructions.
- **#31 – Due to the international relevance of the C37.23 and the absence of a corresponding 50 Hz standard, it is recommended to keep both 50Hz and 60Hz ratings in the updated standard.**
 - WG discussion was that since tests in the standard could be affected by the test frequency, this item should be reviewed in depth further at a later meeting.
- **#35 – Table 3, Table 3, Should there be preferred ratings and insulation levels for Segregated-phase bus listed at voltage levels below 15.5 kV?**
 - WG discussion was to use same values as Table 2 (Nonsegregated-phase bus).
 - Approved and updated in latest draft.
- **#36 – Since equipment connected to a single IPB system can have different ratings, should the statement be re-worded as "...shall be as required by the highest rated equipment to which the isolated-phase bus is connected...?"**
 - WG discussion was to use the words "...maximum rated equipment..."
 - Approved and updated in latest draft.

Ad Hoc Committee: Comment Resolution Ad Hoc

Since there are more comments needing resolution, the following Ad Hoc group with the following members was formed to virtually meet before the Fall 2024 WG meeting:

- Paul Barnhart
- Randy Creach
- Jared Hines
- William Lee
- Adrian Lopez
- Mark Roberson

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9. Next Meeting

The next WG meeting is currently scheduled to be held during the next PES Switchgear Committee meetings from October 13 – 17, 2024. Further details of this planned meeting can be found here: [PES Switchgear Meetings \(ieee.org\)](https://www.ieee.org/pes-switchgear-meetings)

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	Underwriters Laboratories	Member
4	Francis	Beauchemin	Hydro-Quebec	Member
5	Ted	Burse	Powell Industries	Member
6	Sudarshan	Byreddy	Burns & McDonnell	Member
7	Bob	Cohn	Powercon	Member
8	Randall	Creach	Avail Switchgear Systems	Member
9	Dave	Gohil	Avail Switchgear Systems	Member
10	Adrian	Lopez	Powell Industries	Member
11	Eddie	Wilkie	Eaton	Member
12	Michelle	Atantis	Duquesne Light	Guest
13	Jesus	Avila	ABB	Guest
14	Andreas	Bartels	Powell Industries	Guest
15	Fiori	Coziuc	S & C Electric	Guest
16	Gary	Haynes	ABB	Guest
17	William	Lee	Powell Industries	Guest
18	Dakota	Leopard	Eaton	Guest
19	Kevin	McGlown	JST Power	Guest
20	Tad	Myers	Salt River Project	Guest
21	Al	Pruitt	The Durham Co	Guest
22	Jeff	Ricker	Schneider Electric	Guest
23	Tim	Rohrer	Exiscan	Guest
24	Amy	Rowell	Schneider Electric	Guest
25	Artyom	Runov	S & C Canada	Guest
26	Kathryn	Sakarapanee	Schneider Electric	Guest
27	Hall	Sigmon	Siemens	Guest
28	Valeria	Tama	JST Power	Guest
29	Bryan	Tatum	UL Solutions	Guest
30	Truitt	Thompson	Siemens	Guest
31	Jerry	Wen	BC Hydro	Guest

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