

# C37.63 Meeting Minutes

October 9, 2023 – Catamaran Resort Hotel, San Diego, California



Chair: Frank DeCesaro

Secretary/Vice-chair : Karla Trost

**1. Call to Order .....Frank DeCesaro**

The meeting was called to order at 8AM.

**2. Introduction of Members and Guests .....Frank DeCesaro**

Self-introductions were made.

**3. Patent Slides for Standards Development Meetings .....Frank DeCesaro**

No responses to the call for any patent claims.

**4. IEEE Copyright Policy for Participants in IEEE Standards Work**

The call for known copyrights resulted in no responses.

**5. Membership and quorum Check .....Frank DeCesaro**

**a. Quorum check .....Karla Trost**

In the first session, 12 of 16 members were present with 33 guests.

In the second session, 12 of 16 members were present with 35 guests.

**6. Approval of the Agenda**

a. Motion by C. Bork to approve the agenda, second by C. Riley. Agenda was approved.

**7. Approval of Minutes of last meeting**

a. Minutes from the September 15, 2023 on-line meeting were previously published on ImeetCentral [C37.63 September 15, 2023 Meeting Minutes R0](#) If no corrections then the minutes will be approved as distributed.

b. With no corrections, the minutes were approved as distributed.

**8. Discussion on C37.63D3 IEEE SA ballot 1 results**

**a. Show SA graphics on the ballot .....Frank DeCesaro**

1. 58 Ballot members with a 77% return.
2. 81% approval rating

**b. Discuss comments in the “Needs WG Discussion” section of the [C37.63D3 Ballot 1 comment resolution spreadsheet](#). .....Working Group**

1. **Comment #20 – 6.11.1** – Ad hoc proposed the following:
  - a) Added C37.68 to Normative Clauses Section 2
  - b) Modified 6.10.1 – This recommendation was approved with a change to add “the sectionalizer” to the first statement.
  - c) Modified 6.10.2.2 – This recommendation was approved.
  - d) Modified 7.2.2 – This recommendation was approved with modification to call out the clause (#7) from C37.68.

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## 2. Comment #140 – Table 2 – Line 464

- a) Additional information from the commenter:
  - 1) My concern is having two ratings based on switchgear applications. The table 2 is interpreted as derating the equipment because of a lower rating in Std386.
  - 2) The Std386 has removed DC withstand the test and values in the last version of the standard but left the AC withstand value.
  - 3) My point is that the Table 2 Column 4 rating values could be AC values as mentioned in Std386 Std.
- b) One recommendation is to refer to other standards (IEEE 386 - elbows terminations).
  - 1) Note 2 to be revised to call out the ratings of IEEE 386 when the equipment includes IEEE 386 interfaces.
  - 2) There was some discussion about the impact of the lowering of ratings from previous versions to this version.
- c) A question was raised about the values from lines 1-4 vs 11-14 and the fact that a 36kV / 145kV BIL unit is tested to 70kV but a 38kV/ 150kV BIL unit is tested to 50.
  - a. **F. DeCesaro** to confirm this is not an error.

## 3. Comment #30 – 7.11.2.2

- a) Question of if the new language aligns with C37.100.2? No, the RODE ad hoc created language for C37.74 and C37.63.
- b) The document needs to be reviewed to ensure that where appropriate both line and cable charging needs to be called out. Example 7.12.2.2.5 (3 operations have restrikes during the combined line charging and cable charging...)
  - a. Discussion of if line and cable charging are both required (like with C37.60) which is 3 restrikes with the combined line and cable charging.
    - i. In this standard, both the line charging and cable charging are optional ratings.
  - b. Final language was determined to be “three operations have restrikes during the combined line charging and cable charging”
- c) It was noted that the rated voltage and current are called out in Table 3 but the # of operations are not called out.
  - a. **F. DeCesaro** to add columns to Table 3 for the # of operations at a quantity of 20 for each line.
  - b. It was suggested to align with Table 8 of C37.62 and incorporation the C1/C0 requirements. The WG agreed and **in addition, the C1/C0 will be removed from the figure.**

## 4. Comment #126 – Table 5

- a) Definitions for Immunity and Susceptibility were added and accepted by the WG.
- b) Subclause 6.4: Added reference to C37.68 and an elimination of the statement “where radio links”. This was accepted by the WG.
- c) Clause 6.4 has requirements, but there are no tests called out in C37.63 to provide confirmation.
  - a. C37.68 has (3) subclauses which cover immunity and susceptibility. Language should be added to C37.63 Clause 7 to call for the appropriate testing.
  - b. Request for an ad hoc to review the language in C37.68 and determine if it should be inserted/ referenced in C37.63. **P. Found, M. Feltis, C. Hastreiter to review and propose language by October 20, 2023.**
    - i. **F. DeCesaro will send out a letter ballot for approval of this language.**

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d) It was mentioned that Table 5 will need to be modified to call out the new tests. After discussion, the new tests will be added to Group 4.

5. **Comment #195 – 6.10.1 – Line 626**

- a) The WG reviewed the suggested language and made slight modifications to allow for the “preference” of specific color.
- b) It was shared that in C37.74 review, it was recommended that the indicator subclause include the note from C37.62 Clause 6.6. The WG agreed.

9. **Other Business? .....**

a. **Motion for submitting latest draft to SA for recirculation ballot .....**

Rokser made motion was made to submit Draft 6 to SA for recirculation ballot with the inclusion of the approved language for clauses 6 and 7 from the ad hoc group. K. Darko seconded.

11 approved, 1 abstention, motion approved.

10. **Next In-person Meeting .....**

**Date: March 31 – April 4, West Beach Hotel, Fort Lauderdale, FL**

**Note that March 31<sup>st</sup> is Easter Sunday.**

11. The meeting was adjourned at 10:51AM.

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## APPENDIX A: Attendance

Role	First Name	Last Name	Affiliation	10/9/2023
Chair	Frank	DeCesaro	DeCesaro Consulting Services	M
Voting-Member	Pete	Agliata	S&C Electric	M
Voting-Member	Christopher	Borck	Eaton - Franksville, WI	M
Voting-Member	Kennedy	Darko	G&W Electric	M
Voting-Member	Paul	Found	BC Hydro	M
Voting-Member	Harold	Hirz	Vesco	M
Voting-Member	Travis	Johnson	Xcel Energy	EX
Voting-Member	John	Kapitula	ABB	M
Voting-Member	Christopher	Morton	Morton Consulting Inc	M
Voting-Member	Roberto	Olivares	Siemens Industry, Inc	M
Voting-Member	Larry	Putman	Powell Ind. North Canton Ohio	
Voting-Member	Caryn	Riley	GA Tech/ NEETRAC	M
Voting-Member	Ian	Rokser	Eaton	M
Voting-Member	Francois	Soulard	Hydro Quebec	EX
Voting-Member	Karla	Trost	G&W Electric	M
Voting-Member	Xin	Zhou	Eaton	
Guest	Chris	Ambrose	Retired	
Guest	Samuel	Andris	KEMA Labs	X
Guest	Ganesh	Balasubramanian	Eaton	X
Guest	Harm	Bannink	G&W Electric	X
Guest	Dan	Benedict	PPL	X
Guest	Jonathan	Benge	OG&E	X
Guest	Kelsey	Bush	ABB	
Guest	Dan	Busilan	Dominion Energy	X
Guest	Pedro	Castillo	ABB	X
Guest	Ivan	Coatreras	ABB	X
Guest	David	Dart	Noja Power	X
Guest	Stacey	Davies	Siemens	X
Guest	Anil	Dhawan	Allegis	X
Guest	Federico	Di Michele	CESI	X
Guest	Mark	Feltis	Schweitzer Engineering	X
Guest	Andrew	Fernades	Trayer Switchgear	X
Guest	Kaylor	Garcia	Utility Solutions, Inc	X
Guest	Ilya	Gernsky	SCE	X
Guest	Brian	Gerzeny	Powell Industries	X
Guest	Peter	Glaesman	Pcore Electric Co	X
Guest	Christopher	Hastreiter	Eaton	X
Guest	Ben	Hatfield	Trayer Engineering Corp	X
Guest	Ricky	Herring	Siemens	X
Guest	Benjamin	Isaak		

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<b>Guest</b>	Jeff	Jordan	Southern States	X
<b>Guest</b>	Jackie	Kandel	Powell Industries	X
<b>Guest</b>	Seyong	Kim	HD Hyundai Electric	X
<b>Guest</b>	Lance	Lee	HD Hyundai Electric America	X
<b>Guest</b>	Keytek	Lee	HD Hyundai Electric America	X
<b>Guest</b>	Colby	Lovins	Federal Pacific	X
<b>Guest</b>	Cody	Marshall	Schweitzer Engineering Labs inc	X
<b>Guest</b>	Stephanie	Montoya	MKI	X
<b>Guest</b>	Stephen	Pell	Siemens Industy, Inc	X
<b>Guest</b>	Leonel	Santos	Schneider Electric	X
<b>Guest</b>	Victor	Savulyak	KEMA	X
<b>Guest</b>	Abe	Shocket	ABB	X
<b>Guest</b>	Hall	Sigmon	Siemens	X
<b>Guest</b>	Chris	Slattery	First Energy	X
<b>Guest</b>	Kirk	Smith	Retired	X
<b>Guest</b>	Jon	Spencer	Utility Solutions, Inc	X
<b>Guest</b>	Joe	Stemmerich	Trayer	X
<b>Guest</b>	Bryan	Tatum	UL Solutions	X
<b>Guest</b>	Jonathan	Goldberg	IEEE	X
<b>Guest</b>	Jennifer	Santulli	IEEE	X