

# C37.63 Meeting Minutes

April 17, 2023 – Clearwater beach, FL



Chair: Frank DeCesaro

Vice-Chair: Open

Secretary: Karla Trost

## Meeting Agenda

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

The meeting was called to order at 8:00 AM EDT.

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

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

12 of 16 members were present with 22 guests in the first session.

13 of 16 members were present with 33 guests in the second session.

9 members required for quorum. Quorum was achieved in both sessions.

**4. Approval of the Agenda .....**

F. Soulard made a motion to approve the agenda. C.Riley second.

Agenda approved by consensus.

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

a. <https://mentor.ieee.org/myproject/Public/mytools/mob/slideset.pdf>

b. Call for any patent claims resulted in no responses.

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

a. <https://standards.ieee.org/wp-content/uploads/2022/02/Copyright-Policy-for-Participants.pdf>

b. No comments were received.

**7. Approval of Minutes of last meeting ..... Person's Name**

Minutes from the March 16, 2023 on-line meeting were previously published on ImeetCentral [C37.63 March 16, 2023 on-line meeting minutes](#). If there are no corrections, then the minutes will be approved as distributed.

No comments were received, the minutes were approved as published.

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

**a. SA results ..... Frank DeCesaro**

The ballot achieved a 77% return rate and 81% approval rate.

There were 102 comments received by April 14<sup>th</sup>, those will be discussed in this meeting.

There was a final total of 218 comments.

**b. Discuss comment on scope when IEEE representative is here ..... Frank DeCesaro**

1) Comment #: Commenter requested the title be changed to “up to and including 38 000V” – Per IEEE SA, this does not require a PAR revision. The WG approved the change.

**c. Discussion of technical comments ..... Working Group**

1) Subclause 5.14 (Line 519) – Apparent conflict 1 second vs 10 cycle

a) Discussion on the fact that the magnitude of the fault-making current rating is the same as the

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- short-time withstand current.
- b) It was recommended to add the word “magnitude” after fault making current and a second sentence to clarify the minimum duration shall be 10 cycles.
- 2) Clause 5.6 Line 489: Commenter recommends changing it to C37.100.1-2018 applies with the addition of lines 485/486. (Deleting 488/489)
    - a) Discussion on if 100.1-2018 is the same as what is called out in the current draft (R values are slightly different.)
    - b) Discussion on what was in C37.63-2013.
    - c) Agreement to use the reference to 5.6 of C37.100.1-2018 with the addition for the series coil sectionalizer.
  - 3) Subclause 6.11.1 (Line 635) – Commenter recommends referencing C37.68 for the controls.
    - a) The chair noted that unlike C37.60, C37.63 does not define the sectionalizer as the unit with a control.
    - b) Suggested to modify the definition for a sectionalizer by adding a note to the definition similar to C37.60.
      - One user noted that the term “self-contained” is read as including the control.
      - It was noted that in the 2013 revision, the definition was an automatic sectionalizer (not just a sectionalizer).
      - The chair will review the meeting minutes and comments as to why the definition was changed.
    - c) **The chair requested an ad hoc group to review. K. Trost, H. Hirz, and P. Found will review and propose a resolution.**
  - 4) Subclause 6.4 (line 568): The commenter recommended a change in order to clarify “f)” of the subclause.
    - a) The proposal is to add radio communication in addition to mechanism functionality.
    - b) Discussion on user experience that a different pre-current level is required to perform the operation than to operate just the device.
    - c) It was noted that the first line of the subclause is already limited to radio links.
    - d) It was decided to reject the comment.
    - e) It was discussed if “radio inks” should be changed in line 561 to be more generic. While there are many methods of SCADA communication, the WG believes that this application is only performed via radio.
    - f) Discussion that items e), f), and g) apply to non-radio link sectionalizers. Should this requirement be incorporated into the document. **P. Found and F. DeCesaro will work after the meeting to propose language. (Also review applicability to Table 5.)**
  - 5) Subclause 7.11.2.2 (line 961) – Commenter asks for a standard reference or language to describe the appropriate test sequence.
    - a) There are several technical comments about this subclause. **H. Bannink, F. DeCesaro, C. Borck, K. Darko and I. Rokser to assistance) will review and propose resolution.**
  - 6) Subclause 7.20.2 (line 1272) – The commenter suggested that the test as written is not possible.
    - a) It was suggested to change the test to a load current interruption (vs a short circuit interruption). “interruption test at rated load current” The WG agreed.
  - 7) Subclause 8.2 (line 1366) – The commenter asked if the requirement was applicable to the primary insulation.
    - a) The WG understands that this test is performed on the complete apparatus. It was proposed to reject the comment and redirect the commenter to the explanation in 8.1.
  - 8) Table 5 (line 734) – The commenter suggests that the control requirements in 6.4 need to be

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included. See separate action for 6.4.

Session was paused for a break at 9:41 AM.

The second session was called to order at 9:17AM.

- 9) Subclause 5.2 (Line 462): An inconsistency exists between the wet withstand voltages in Col 5 of Table 1 vs the requirement in the test section to use IEEE 4.
  - a) It was noted that IEEE 4 is strictly the procedure and water content. It does not include voltages.
  - b) The base recommendation is to use the same values for dry and wet in Table 1 with the differences in the tests covered by IEEE 4. (This would align with C37.60.)
  - c) The WG agreed to make the change to Table 1.
- 10) Subclause 1.1 (Line 348) – Commenter noted that the document uses sectionalizer and switchgear as interchangeable. If this is the case, the commenter suggested using sectionalizer(s) in all uses. The WG accepted.
- 11) Subclause 4.1.2 (Line 431) – Editorial for capitalization which has been accepted.
- 12) Subclause 4.1.2 (Line 431)–
  - a) The “occasional flooding” was recommended to be identified as “not to exceed 10 days” to align with other RODE standards. This was accepted.
  - b) The commenter suggested that the language be moved to the subclause for Normal service conditions as submersible equipment can be indoor or outdoor.
- 13) Subclause 5.14 (Line 525) – The commenter recommended a wording change to “implies” which was agreed to by the WG.
- 14) Subclause 5.2 (Table 1) (Line 462) - The commenter suggested using an IEEE reference in place of an IEC reference. This was agreed to by the WG.
- 15) Subclause 5.6 (Line 488) – The commenter suggested a revision from short-circuit to short time. This comment was invalidated by the revision to this subclause in another comment. This issue was revised throughout the document.
- 16) Subclause 5.7 (Line 492) – The commenter noted that the sentence was incomplete. The Chair added the correct reference to Table B.2.
- 17) Subclause 6.18 (Line 699) – Recommendation to change tripping to opening.
  - a) Discussion on if devices have (or should have) a “closed” counter.
  - b) The WG agreed to the change to opening.
- 18) Subclause 6.21.1 (Line 717) – The commenter suggested that the weight of some equipment may not require lifting lugs and proposed “if required” be added.
  - a) In addition, it was noted that the manufacturer can only place lugs for level lifting if the user does not add additional items. “As shipped” was added.
- 19) Subclause 7.1.1 (Table 5) (Line 734) –
  - a) The commenter suggested changes for consistency in the document. (Removal of word “test” from inside of the table.) The WG agreed.
  - b) The table needs to have the references subclauses updated due to numbering changes.
- 20) Subclause 7.1.3 (Line 756) – The commenter suggested a change from plural (supports) to singular. The WG agreed to this change along with the same type of editorial change in the next sentence.
- 21) Subclause 7.1.3 (Line 750) – Commenter asked why C37.100.1 does not apply.
  - a) Discussion on what is meant by “sufficient”. A list is preferred.

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- b) After review, it was agreed to reference C37.100.1 and remove the first paragraph (line 751-753) of the additions.
  - 22) Subclause 7.1.6 (Table 6) – It was noted that a reference to Table 9 became (0) in the document. The Chair corrected this issue.
  - 23) Subclause 7.11.2.2 (Line 962) – The commenter suggested a change for clarity – to move the first sentence on 962 to the end of the paragraph with a modification of “for other sectionalizers.” The WG agreed.
  - 24) Subclause 7.13 (Line 1038) – The commenter noted that d) calls out a “suitable” test.
    - a) The chair proposed modifying the introduction (If a sectionalizer).
    - b) There was discussion as to what a suitable test would be.
    - c) It was suggested to use the same load test defined for loss of vacuum (an interrupting test at the load rating) be used.
    - d) The WG agreed to these changes.
    - e) There was discussion as to the applicability of the test as it relates to the “consumption of life of the sectionalizer”. It was suggested that all units be required to perform one load interruption at the conclusion of the test.
      - “At the conclusion of the short-time withstand current, and fault making current tests, the sectionalizer shall be capable of performing its rated switching duties. This is verified by performing one interrupting test at load rating.”
      - Discussion on if d) is needed.
      - Decided to delete d), but the WG needs to validate there is adequate verification after the short-time withstand test. (Subclause 7.5.5 calls out 7.7.5 of C37.100.1.)
  - 25) Subclause 7.15.2 (Line 1089) – The commenter suggested that the voltage should be 110% not 105%. This was modified.
  - 26) Subclause 7.22.2 (Line 1328) – The commenter suggested a change from tripped open to opened. This was modified.
- 9. Next Meeting** – There will be multiple virtual meetings in order to complete the comment resolution. These will be sent to members and guests.
- 10. Adjournment:** The meeting was adjourned at 11:51 am.

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Power & Energy Society™

## ANNEX 1 – Attendance

Role	First Name	Last Name	Affiliation	4/17/2023
Chair	Frank	DeCesaro	DeCesaro Consulting Services	X
Guest	Ed	Allingham	Hydro One	X
Guest	Ganesh	Balasubramanian	Eaton	X
Guest	Harm	Bannink	G&W Electric	X
Guest	Paul	Barnhart	UL Solutions	X
Guest	Kelsey	Bush		X
Guest	Stacey	Davies	Siemens	X
Guest	Anil	Dhawan	Allegies	X
Guest	Mark	Feltis	Schweitzer Engineering	X
Guest	Joseph	Fitzgerald	Eaton	X
Guest	Kaylor	Garcia	Utility Solutions Inc	X
Guest	Dave	Gohil	Avail Swgr Systems	X
Guest	Gary	Hanes	ABB	X
Guest	Christopher	Hastreiter		X
Guest	Jackie	Kandel	Powell Industries	X
Guest	Yun Seong	Kim	Keri	X
Guest	Bob	Lau	nVent Hoffman	X
Guest	Yong Woo	Lee	Keri	X
Guest	Eric (Qian)	LI	PowerTech Labs	X
Guest	Ken	McKinney	UL Solutions	X
Guest	Anne	Miller	TCI	X
Guest	Jon	Neujahr	Eaton	X
Guest	Stephen	Pell		X
Guest	Ben	Sax	Nashville Electric Service	X
Guest	Rob	Schuetz	Eaton	X
Guest	Hall	Sigmon	Siemens	X
Guest	Chris	Slattery	First Energy	X
Guest	Jon	Spencer	Utility Solutions Inc	X
Guest	John	Stemmerich	Trayer	X
Guest	Truett	Thompson	Siemens	X
Guest	Tim	Tillery	Howard Industries	X
Guest	Eric	Vazquez	PG&E	X
Guest	Jim	Wenzel	Eaton	X
IEEE	Jennifer	Santulli	IEEE	X
Voting-Member	Pete	Agliata	S&C Electric	
Voting-Member	Christopher	Borck		X
Voting-Member	Kennedy	Darko	G&W Electric	X
Voting-Member	Paul	Found	BC Hydro	X
Voting-Member	Harold	Hirz	G&W Electric	X
Voting-Member	Travis	Johnson	Xcel Energy	X

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Voting-Member	John	Kapitula	ABB	X
Voting-Member	Christopher	Morton		
Voting-Member	Roberto	Olivares		X
Voting-Member	Larry	Putman		X
Voting-Member	Caryn	Riley	GA Tech/ NEETRAC	X
Voting-Member	Ian	Rokser		X
Voting-Member	Francois	Soulard	Hydro Quebec	X
Voting-Member	Karla	Trost	G&W Electric	X
Voting-Member	Xin	Zhou		