

# C37.74 Working Group Meeting Minutes

March 26<sup>th</sup> 2024 - Virtual

**Chair:** Kennedy Darko

Minutes taken by Karla Trost

**Secretary:** Travis Johnson

## Meeting Minutes

### 1. Call to Order

*The meeting was called to order at 10:04 AM CDT.*

### 2. Call for Patents and Copyrights.

- i. [Patent Slides](#)
- ii. [Copyright Slides](#)

*There were no patent or copyright issues brought to the attention of the chair.*

### 3. Introduction of Members and Guests

*Attendees used the chat feature for self-introductions.*

### 4. Attendance and quorum check

*18 of 21 members were present. Quorum was met.*

### 5. Approval of agenda

*Motion by J. Stemmerich and second by C. Riley to approve the agenda.*

### 6. Approval of previous meeting minutes

*This will be held for the in-person meetings in Florida.*

### 7. Chair's remarks / Project Status

*161 Technical comments were received of 718 total comments.*

*The comment resolution group has worked through some of the comments. Some of these were sent out to the WG for today's meeting.*

### 8. Resolution of comments

- I-547 (7.7.5.2) – Comment about 'approximately sinusoidal'-
  - The definition was approximately (also essentially); but the term approximately was not used in the document, only essentially.
  - The CRG proposes changing the definition to Essentially and removing the word approximately.

- A follow-up question said that the current definition is for voltage being sinusoidal, but the subclause (7.7.5.2) is about current.
  - Background information was shared about essentially vs approximately sinusoidal and the language that was in IEEE Std 4 – 2013 as well as IEC 60060-3.
  - **F. DeCesaro** agreed to research this further and bring something to the in-person meeting.
  - There is some different language in C37.60 which may be useful.
- I-499 and I-528 (7.8.4 - Figure 8) The commenter questioned why copper-tungsten alloy
  - The CRG agreed to make the material more general to allow for other materials (those which would not be easily eroded).
- I-250 and Several – Comments about the current language of “up to 38 kV” vs “up to and including 38 kV”.
  - J. Santulli confirmed this could be changed without modifying the PAR.
  - The CRG agreed to revise the document to reflect the “and including”.
- I-169, I-171 I-301 and I-303 (5.10.1- line 542) – suggestion about using K instead of C.
  - After review of other documents, the proposal is accepted.
- I-516 (5.10.3 - Line 554) - Commenter suggested combing Table 3 & Table 4.
  - For continuity there is a preference to leave the tables separate. The WG was asked for their opinion. The only comment was an agreement to leave them separate.
- I-600 (5.10.3 -Line 565) – Commenter suggested reinstating the first sentence of footnote e) from the 2014 version.
  - One member explained the similar conversation which occurred in the transformer committee.
  - There were no concerns with accepting the comment.
- I-393 (6.6 - Line 598) – Commenter recommended referencing C37.68.
  - During discussion it was pointed out that the actual grounding may be performed in the field and that ‘shall also have provisions for the connection of a ground conductor per 6.6 of IEEE Std C37.68’ may be better terminology.
- I-394 (6.7 - Line 621) – The commenter recommended that the language be changed to live line tools and/or lanyard.
  - There is a user concern that designs should be able to use either tool.
  - After review, proposal was accepted.
- I-472 and I-653 (6.8 - Line 638) – The commenter suggested that the indicator could be mounted behind a window.
  - The CRG proposed to accept the commenter’s suggestion.
- I-654 (6.11 - Line 648) – Two commenters were concerned that temporary packaging materials may not be suitable for extended storage in uncovered areas and provided language to quantify timing and the UV impact.
  - During discussion it was noted that there may be a need for the manufacturer to document what should be removed for extended storage.
  - It was also discussed that the sentence from line 648 might better fit in Clause 10. If this is done, the title of Clause 10 should be changed to ‘Shipping and storage requirements.’
  - Some context was added to the comment with an example of a submersible switch stored outdoors in non-UV stable packaging. Other comments mentioned pain that does not have UV coatings or cables which are designed for vault applications and may have limited UV ratings.
  - One user shared that they expect manufacturers to provide documentation related to storage limitations.

- *A proposal was made to change line 1671 to add the word storage – “Instructions and checklists for inspection, storage, installation, and operation of the DSG shall be provided.”*
- *One user proposed that a statement be added related to outdoor, longer-term storage to prompt the manufacturers.*
  - *Maybe “Consideration should be given to the location and duration of storage.”*
  - *The group agreed to this addition.*
- ***F. Decesaro, K. Trost** are willing to work on the editorial comments following the meeting in Ft. Lauderdale. These will be shared with the WG for approval.*
- *It was requested that the comment / index # be shown for the description.*
- *The meeting was closed at this point.*

9. Any other business (*Not covered*)

10. Next meeting

Virtual Meeting March 28, 2024 at 9:30AM CDT.

*In-person meeting planned for Spring '24 Switchgear Committee Mtg. (April 2 & 3, 2024)*

*Westin Hotel Ft. Lauderdale, FL*

11. Adjournment at 11:31AM CDT. *Motion by I. Rokser and second by F. Soulard.*

Name (Printed)	Employer	Mar. 26, 2024		
Caryn Riley (Voting-Member)	Georgia Tech/NEETRAC	X		
Francois Soulard (Voting-Member)	Hydro-Quebec	X		
Frank DeCesaro (Voting-Member)	DeCesaro Consulting Services, LLC	X		
Harold Hirz (Voting-Member)	Vesco			
Ian Rokser (Voting-Member)	Eaton	X		
John Kapitula (Voting-Member)	ABB	X		
Karla Trost (Voting-Member)	G&W Electric	X		
Kennedy Darko (Chair)	G&W Electric	X		
Travis Johnson (Secretary)	Xcel Energy	X		
Harm Bannink (Voting-Member)	G&W Electric	X		
Jeffrey Gieger (Voting-Member)	ABB/Elastimold	X		
Victor Savulyak (Voting-Member)	Kema Labs			
Edwin Almeida (Voting-Member)	Southern California Edison	X		
David Beseda (Voting-Member)	S&C Electric Co			
Rahul Jain (Voting-Member)	S&C Electric Co	X		
Kelsey Bush (Voting-Member)	ABB/Elastimold	X		
Joseph Stemmerich (Voting-Member)	Trayer Engineering Corporation	X		
Paul Found (Voting-Member)	BC Hydro	X		
Mohit Chhabra (Voting-Member)	S&C Electric	X		
Eric (Qian) Li (Voting-Member)	Powertech Labs	X		
Jonathan Neujahr (Voting-Member)	Eaton	X		

**Key: X – present**  
**E – excused**