

Minutes of Meeting: Working Group C37.06.1 –Recommended Practice for Preferred Ratings for High-Voltage (>1000 volts) AC Circuit Breakers Designated Definite Purpose for Fast Transient Recovery Voltage Rise Times

Location: Wyndham Grand Orlando Resort Bonnet Creek, Orlando, FL

Date: Tuesday, April 8, 2025 (2:00-3:45 PM EDT)

Chair: Dan Schiffbauer Secretary: Dan Benedict

Minutes

1. Introduction of Members and Guests
2. Establishment of Quorum. 13/25 WG members in attendance. Quorum was met.
3. Agenda Approval
 - a. WG Chair called the meeting to order and presented the agenda.
 - b. Motion to approve agenda by Rich York. 2nd by Mike Skidmore.
 - i. Motion passed by acclamation.
 - ii. Opposed: 0. Abstention: 0.
4. Minutes from previous meeting
 - a. Motion to approve minutes from F24 meeting by Chris Jarnigan. 2nd by Jan Weisker.
 - i. Motion passed by acclamation.
 - ii. Opposed: 0. Abstention: 0.
5. IEEE Copyright Policy and Call for Patents
 - a. The Copyright and Patent slides were presented. Chair called for any potential Patent claims. No Patent claims identified.
6. Report of action(s) since last meeting.
 - a. Working group and HVCB both approved forming a ballot pool and going to ballot pending MEC (Mandatory Editorial Coordination).
 - b. Word document received from IEEE with latest format.
 - c. All editorial updates completed.
7. Chair reviewed updates made to draft.
 - a. WG member commented that there should be a definition for secondary limited fault and/or transformer limited fault; the terms should be kept differentiated.
 - b. Chair asked for agreement regarding keeping the informative note and removing the normative note at the bottom of Table 2. None opposed.
 - c. Chair asked for comment related to changes in section 6.
 - i. WG members commented about line 7 and the exclusion of 100 kV with the proposed wording change.
 1. Action to amend proposed change of line 7 within section 6 from “greater than 100 kV” to “greater than or equal to 100 kV” to match

the title of Table 3 prior to submitting draft to MEC.

- ii. WG member commented about wording of “minimum gas composition” indicating it is confusing. Recommending a definition be supplied or at least a consistent method for defining the term.

8. TRV Parameter Values

- a. Chair discussed the rounding of Tables 2 and 3 and showed the discrepancy between the values.
- b. Asked for comments related to proceeding with the changes as described with Method #2.
 - i. Guest asked about the method of calculation regarding what needs to be in the type test report. Chair indicated the report needs to match the Table because that is normative.
 - 1. Guest asked if Tables 2 and 3 were compared against IEC tables because there was an effort to harmonize years ago. Chair responded that the two standards were not compared. A WG member indicated there is only one test in IEC (T30), but was unsure how the parameters are calculated.
 - ii. Discussion regarding the Appendix data from users.
- c. Motion to utilize Method #2 as presented from “S25 TRV Parameter Question.pptx” related to Tables 2 and 3 by Chris Jarnigan. 2nd by Victor Hermosillo.
 - i. Motion passed by acclamation.
 - ii. Opposed: 0. Abstention: 0.
- d. Additional Discussion
 - i. Guest asked what it means to have the RRRV be higher/lower and whether that is easier/harder to pass. Is the methodology more accurate? Chair added the method is to make the values more consistent between formula and table.

9. Next Meeting

- a. Week of 10/06/2025
- b. Peppermill Resort Hotel, Reno, NV

10. Adjournment

- Meeting adjourned by the chair at 2:45 PM (EDT) on 04/08/2025.

Reported by: Dan Benedict and Dan Schiffbauer

Attachment: WG Meeting Attendance and Affiliations

Membership	Full Name	Company	10/15/2024	4/8/2025
Chair	Schiffbauer, Daniel	Toshiba International Corporation	X	X
Secretary	Benedict, Dan	PPL	X	X
VM	Avila Escalante, Jesus	ABB	X	
VM	Bornuat, Albane	GE Vernova	X	X
VM	Brooks, Adam	Duke Energy	X	
VM	De Villiers, Henry	Arizona Public Service	X	
VM	Henriet Hernandez, Eduardo	Siemens Energy	X	
VM	Hermosillo, Victor	GE Grid Solutions	X	X
VM	Jarnigan, Christopher	Southern Company Services	X	X
VM	Keating, Ryan	HICO America	X	
VM	Khan, Umer	ABB Inc	X	
VM	Krause, Dwight	Black & Veatch	X	
VM	Kurinko, Carl	Hitachi Energy	X	X
VM	Ma, Chunming	burns and mcdonnell	X	X
VM	Marynchak, Michael	HICO America	X	
VM	Mc Cord, Neil	KEC Precision LLC		
VM	Pecile, Conrad	Myers Power Products	X	X
VM	Peterson, Mark	Xcel Energy	X	X
VM	Sax, Benjamin	Nashville Electric Service	X	
VM	Skidmore, Michael	AEP	X	X
VM	Steigerwalt, Donald	Duke Energy	X	
VM	Tarleton, John	Southern States, LLC	X	
VM	Weisker, Jan	Siemens Energy	X	X
VM	Woodyard, Terry	Siemens Industry, Inc.	X	X
VM	York, Richard	Mitsubishi Electric	X	X
NVM	Byreddy, Sudarshan	Burns and McDonnell		X
NVM	Crawford, Mike	MEPPI		X
NVM	Cuppett, Matthew	Hitachi Energy USA Inc		X
NVM	Door, Jeffrey	The H-J Family of Companies		X
NVM	Hasnaoui, Nadia	GE Vernova		X
NVM	Heinrich, Christian	Siemens AG		X
NVM	Hunter, Jennifer	MEPPI		X
NVM	Irwin, Todd	GE Grid Solutions		X
NVM	Marshall, Vincent	Southern Company		X
NVM	Marzec, Peter	S&C Electric Co.		X
NVM	Mitchell, David	Southern States, LLC		X
NVM	Nolte, Michael	Kiewit		X
NVM	Ordein, Fernando	Dominion Energy		X
NVM	Palazzo, Mirko	Hitachi Energy		X
NVM	Parikh, Urmil	Hitachi Energy		X
NVM	Patil, Lalit	Eaton Corporation		X
NVM	Sharma, Devki	Retired		X
NVM	Walgenbach, Jake	Siemens		X
NVM	Youssef, Mina	Eaton Corporation		X

Business