

IEEE SWITCHGEAR COMMITTEE

Minutes: IEEE High-Voltage Fuses Subcommittee
Place: Catamaran Resort, San Diego, CA
Date: Wednesday October 11, 2023
Presiding officer: Sterlin Cochran – Chair
Recorder: Jim Wenzel – Vice-Chair & Sec

VOTING-MEMBERS PRESENT (14)

Chris Borck	Eaton
Sterlin Cochran	G&W (SC Chair & Chair RFSWG)
Jeramie Cooper	Eaton
Gary Haynes	ABB Inc.
Jim Wenzel	Eaton (Vice Chair & Sec)
John Leach	Consultant/self-affiliated
Chris Morton	PowerTech
Caryn Riley	GT/NEETRAC
Jon Spencer	Utility Solutions
Randy Ward	Aluma-Form
Charles Worthington	Hubbell Power Systems
Danish Zia	UL LLC
Brennen Fleming	Hubbell Power Systems
Aaron Motes	ABB Inc.

VOTING-MEMBERS ABSENT (2)

Glenn Borchardt	S&C Electric Co
Travis Johnson	Xcel Energy
Jonathan Deverick [^]	Dominion Virginia Power

[^] correspondence only

NON-VOTING MEMBERS (5)

Eric Li	PowerTech
Pete Marzec	S&C Electric Co
Carlos Nieto	S&C Electric Co
Dustin Sullivan	Hubbell Power Systems
Thomas Dawson	Mersen

HONORARY MEMBERS

John Angelis, L. Ron Beard, Glenn Borchardt, Ray Capra, Steve Hassler, Frank Ladonne, Chris Lettow, Jim Marek, Frank Muench, Don Parker, R. Neville Parry, Herb Pflanz, R (Kris) Ranjan, Tim Royster, John Schaffer, Mark Stavnes, Alan Yerges, Jan Zawadzki.

- 1. Call meeting to order** – 1:34 pm (PDT)
- 2. Approval of Agenda** – The agenda was approved by consensus.
- 3. Member/guest introduction** – There were 14 members present, with 2 members not in attendance and 5 guests.
- 4. Roster check** – Sign-in Sheet circulated.
- 5. Approval of April 19th 2023 minutes** – The Spring 2023 minutes were approved by consensus.

6. Report from the chair – Sterlin reported on WG for C37.41. The TF for WG C37.41 met on Monday to communicate and wrap up the TF activities. WG C37.41 met on Tuesday in 4 sessions and made great progress on resolving most of the issues and concerns in the latest draft. Plan to finish up documenting the remaining sections in the next week after Dustin and Jeramie forward final changes to Annex E and J to John and John will compile into ‘final’ draft. PAR for C37.41 will expire in 2024 and we are on schedule. C37.45 will expire in 2024 and a PAR needs to be started at the Spring 2024 meeting. We will need a chair for the C37.45 WG.

7. Standards status report

- a. C37.41: published April 2017, Corrigenda issued May 2017. Existing **PAR** for it to be combined with C37.42-2016, approved March 2020, expires Dec 2024.
- b. C37.42: published May 2017.
- c. C37.45: Published April 2017. (Needs to be updated by 2026)
- d. C37.48: New revision published August 2020.

8. Working Group Reports -

- a. Revision of fuse standards – C37.41: Sterlin Cochran

The PAR for C37.41 expires December 2024 is on track to meet the requirements for that date. Dustin and Jeramie will work on the open items/additions to Annexes E & J and will submit to Sterlin and John. John will circulate a new draft with all the changes we agreed upon during Tuesday’s meetings and will include the latest Annexes E & J. Sterlin will submit draft for ballot in time for us to resolve the first round of comments at the Spring 24 meeting.

9. Report of liaison to other committees -

- a. ER&P Committee – S. Cochran: ER&P will ask for feedback on training session that were presented today.
- b. T&I committee – S. Cochran: T&I committee is looking for a third person from the fuse committee, which would replace Sterlin and work as reps with Charles and Jim. Jeramie volunteered for the T&I.

10. IEC Report – J. Leach – (full report Annex A)

- a. Multiple meetings held for JMT 441 reviewing IEC 60050-441 Switchgear, control gear and fuses.
- b. Team MT3 for CL fuses has had no technical activity. John has stepped back as Convenor.
- c. MT4 for IEC 60282-2 and 60282-4, waiting for our IEEE WG to finish the revisions to consider as changes to the 60282-2. The technical committee is hoping to get an invite to the Oct 2024 IEC general meeting in Edinburgh, UK.
- d. MT6 for the IEC version of the Guide is in final editing of the Committee Draft(CD)
- e. TC 32/WG1 High Voltage DC fuses being run under the Technical Committee. Primarily limited to Semiconductor, Photovoltaic and Battery fuses.

11. Unfinished business – nothing to report.

12. New business –

- a. Gary and Caryn motioned to disband the TF on series 4 as part of WG37.41. Motion carried unanimously.

13. Future meetings -

Spring 2024, (March 31st – April 4th) Westin Beach, Fort Lauderdale, FL

Fall 2024, (October 13th – 17th) OMNI Hotel, Oklahoma City, OK

Spring 2025, (October 13th – 17th) Wyndham Grand Orlando Resort Bonnet Creek,
Orlando, FL

Fall 2025 (October 5th – 9th) Peppermill Resort, Reno NV

14. Adjournment – 2:26 pm

Submitted by Jim Wenzel, 01/18/2024