

Minutes of Study Group for C37.04 & C37.09 (Rev. 1 – 14 Nov. 2019)  
 Tuesday, October 12<sup>th</sup> 2021 3:45 – 5:30 pm CDT  
 Virtual Meeting



1. Meeting called to order by Terry Woodyard, Chair, at 3:45 pm CDT using MS Teams
2. Administrative Items
  - a. Introductions and affiliations entered in meeting chat window.  
64 total in attendance, of which 59 remained for the majority of the meeting (Attachment 1)
  - b. IEEE Copyright Slides and IEEE Patent Slides were reviewed. A call for knowledge of essential patents was made, no respondents
  - c. Agenda for the meeting was reviewed. (Attachment 2). No additions to the agenda were requested, however under the topic of additional items for inclusion mention was made of incorporation of IEEE Std. C37.06.1 “IEEE Recommended Practice for High-Voltage (>1000 volts) AC Circuit Breakers Designated Definite Purpose for Fast Transient Recovery Voltage Rise Times.” It was determined to defer that discussion until that point in the agenda.
3. This being the initial meeting of the PAR study group, no previous minutes to review.
4. New Business
  - a. Draft PAR for amendment to C37.04 was presented, several suggestions for minor modifications were made from the WG members which Chair agreed to incorporate prior to presentation to HVCB.
  - b. Draft PAR for amendment to C37.09 was presented, several suggestions for minor modifications were made from the WG members which Chair agreed to incorporate prior to presentation to HVCB.
  - c. The work items for amendments to IEEE Stds. C37.04 and C37.09 which were the output of the previous study group in the form of excel spreadsheet “Item list SG\_04\_09\_rev8.xls” as posted in IEEE iMeetCentral (<https://iee-sa.imeetcentral.com>) were reviewed and confirmed by the study group as continuing to be relevant and each having a ‘champion’ to further inform the eventual amendment working groups of each item in greater detail. Rev 9 to be posted in iMeetCentral for future reference.
  - d. Under the topic of “Additional Items for Consideration” the possibility of moving the contents IEEE Std. C37.06.1 “IEEE Recommended Practice for High-Voltage (>1000 volts) AC Circuit Breakers Designated Definite Purpose for Fast Transient Recovery Voltage Rise Times.” into C37.04 and C37.09 as part of the amendment process was discussed. The consensus of the study group was that because C37.06.1 is currently a stand alone document under the scope of the HVCB subcommittee and it was not included in the ‘work list’ given to this study group, the issue would need to be raised independently at the HVCB subcommittee meeting.

Chair adjourned the session at 5:15 pm CDT.

Attachments: (1) Attendance list  
 (2) Meeting Agenda

Recorded by:	John Webb Secretary PAR Study Group C37.04/C37.09	Submitted by:	Terry Woodyard Chair PAR Study Group C37.04/C37.09
Date:	October 13, 2021	Date:	October 13, 2021

## Meeting Summary

**Total Number of Participants**

64 (Excluding Duplicates)

**Meeting Title**

C37.04/C37.09 Par Study Group Fall Meeting

**Meeting Start Time**

3:33:37 PM CDT

**Meeting End Time**

5:15:43 PM CDT

**Meeting Id**

7812087c-6e57-47fc-af85-5e76a0f96d32

Full Name	Join Time	Leave Time	Duration	Role
Woodyard, Terry (RC-US SI DS PLM)	4:33:37 PM	6:15:43 PM	1h 42m	Chair
John C. Webb	4:38:29 PM	6:15:43 PM	1h 37m	Secretary
Tabakovic, Dragan	4:33:44 PM	6:15:43 PM	1h 41m	Attendee
Bill Long (Guest)	4:38:38 PM	6:15:39 PM	1h 37m	Attendee
Frazier, Curtiss C	4:40:40 PM	6:15:41 PM	1h 35m	Attendee
Dave Gohil	4:40:29 PM	6:15:26 PM	1h 34m	Attendee
Milnikel, Henning (SI DS R&D GIS SD 1)	4:41:54 PM	6:15:36 PM	1h 33m	Attendee
Burse, Ted	4:42:12 PM	6:15:29 PM	1h 33m	Attendee
Crawford, Mike	4:42:20 PM	6:15:30 PM	1h 33m	Attendee
Ricciuti, Anthony T	4:42:38 PM	6:15:38 PM	1h 33m	Attendee
Zaplatosch, John A.	4:42:35 PM	6:15:29 PM	1h 32m	Attendee
Young, Marcus	4:42:49 PM	6:15:35 PM	1h 32m	Attendee
Westerdale, Matthew J	4:43:00 PM	6:15:43 PM	1h 32m	Attendee
Michael B. Christian	4:43:34 PM	6:15:35 PM	1h 32m	Attendee
Zhou, Xin	4:43:35 PM	6:15:33 PM	1h 31m	Attendee
Neil McCord	4:43:47 PM	6:15:33 PM	1h 31m	Attendee
Schuetz, Carl	4:43:21 PM	6:15:07 PM	1h 31m	Attendee
Schiffbauer, Daniel (TIC)	4:43:50 PM	6:15:35 PM	1h 31m	Attendee
Mauricio Aristizabal	4:43:58 PM	6:15:35 PM	1h 31m	Attendee
Di Michele Federico	4:44:01 PM	6:15:38 PM	1h 31m	Attendee
Mike Skidmore (Guest)	4:43:55 PM	6:15:32 PM	1h 31m	Attendee
Devki Sharma (Guest)	4:44:03 PM	6:15:34 PM	1h 31m	Attendee
York, Richard	4:44:23 PM	6:15:36 PM	1h 31m	Attendee
Weisker, Jan (SE GP T SP PRO R&D TC)	4:44:29 PM	6:15:38 PM	1h 31m	Attendee
Eldridge Byron	4:44:52 PM	6:15:42 PM	1h 30m	Attendee
Fang Huang (Guest)	4:44:55 PM	6:15:43 PM	1h 30m	Attendee
Jim van de Ligt (Guest)	4:45:12 PM	6:15:38 PM	1h 30m	Attendee
Andy Keels, P.E. (Guest)	4:45:24 PM	6:15:43 PM	1h 30m	Attendee
Irwin, Todd (GE Renewable Energy)	4:45:29 PM	6:15:42 PM	1h 30m	Attendee
Chen, Steven	4:45:33 PM	6:15:40 PM	1h 30m	Attendee
Hermosillo, Victor (GE Renewable Energy)	4:45:38 PM	6:15:31 PM	1h 29m	Attendee
Lanning, Scott	4:46:06 PM	6:15:41 PM	1h 29m	Attendee
Will Zhang (Guest)	4:46:11 PM	6:15:29 PM	1h 29m	Attendee
Stan Billings (Guest)	4:33:45 PM	6:02:37 PM	1h 28m	Attendee
Jeff D Door	4:47:26 PM	6:15:43 PM	1h 28m	Attendee
Hua Liu	4:48:25 PM	6:15:43 PM	1h 27m	Attendee
Jose Gamboa (Guest)	4:48:29 PM	6:15:34 PM	1h 27m	Attendee
Chovanec, Andrew (GE Renewable Energy)	4:50:15 PM	6:15:42 PM	1h 25m	Attendee
Wen, Jerry	4:52:01 PM	6:15:33 PM	1h 23m	Attendee

Lopez, Leo	4:52:36 PM	6:15:43 PM	1h 23m	Attendee
Dilillo, Patrick	4:52:26 PM	6:15:31 PM	1h 23m	Attendee
Collette, Lucas	4:44:52 PM	6:05:47 PM	1h 20m	Attendee
Hensberger, Jeremy	4:45:25 PM	6:05:33 PM	1h 20m	Attendee
Stephen Cary	4:57:13 PM	6:15:43 PM	1h 18m	Attendee
Jason Cunningham	4:58:49 PM	6:15:43 PM	1h 16m	Attendee
Rogers, Jon (SE GP T SP PRO NA J MF 1)	4:40:33 PM	5:56:06 PM	1h 15m	Attendee
Jarnigan, Christopher K.	4:42:13 PM	5:55:39 PM	1h 13m	Attendee
Dan Hook	4:49:56 PM	5:59:02 PM	1h 9m	Attendee
Peterson, Mark	5:06:53 PM	6:15:29 PM	1h 8m	Attendee
Francois TRICHON	4:45:36 PM	5:53:24 PM	1h 7m	Attendee
Robert Hanna	4:52:10 PM	5:59:27 PM	1h 7m	Attendee
Patrick Fischer-Carne	5:11:27 PM	6:15:37 PM	1h 4m	Attendee
John Phouminh	4:50:59 PM	5:52:05 PM	1h 1m	Attendee
Ward, Jeff	5:00:50 PM	6:00:26 PM	59m 36s	Attendee
Sergio Flores	4:44:44 PM	5:42:43 PM	57m 58s	Attendee
Hutchins, Roy Neil	5:18:22 PM	6:15:43 PM	57m 20s	Attendee
Leonel Santos	4:48:05 PM	5:44:34 PM	56m 28s	Attendee
Edwards, Doug (RC-US SI DS O EHS)	5:20:21 PM	6:15:43 PM	55m 22s	Attendee
Hunter, Jennifer	4:44:18 PM	5:37:29 PM	53m 10s	Attendee
Youssef, Mina	4:52:59 PM	5:36:27 PM	43m 28s	Attendee
Leccia, Brad R	4:45:25 PM	5:20:57 PM	35m 31s	Attendee
Marzec, Pete	4:48:00 PM	5:20:23 PM	32m 22s	Attendee
Ashley F Moran	5:19:49 PM	5:40:09 PM	20m 20s	Attendee
May, Steven G.	4:42:56 PM	5:00:10 PM	17m 14s	Attendee

## **C37.04 AND C37.09 – PAR STUDY AD-HOC**

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- Call to order
- Introduction of participants – via Teams meeting participant list
- Review of IEEE Patent Policy
- Review IEEE SA Copyright Policy
- Review draft PARs
- Review champions of Identified Issues
- New Issues
- Adjourn