

IEEE Power and Energy Society
Switchgear Committee
C37.20.2 Working Group Minutes
Web Meeting / Teleconference
July 22, 2019

The first official working group meeting was chaired by working group chair Michael Wactor. Allan Morse served as secretary.

The meeting was called to order by the chair at 3 pm Eastern Time.

The agenda was approved by consensus.

Introductions were made by those participating in the Web Meeting / Teleconference. A quorum was present. (Attendee list below)

Attendees were reminded of the IEEE-SA Patent Policy prior to further discussions.

Draft D2 was circulated to the working group members and guests prior to the meeting and comments had been requested to be submitted to the chair prior to the meeting. Only three members submitted comments with most being editorial.

The chair reviewed the following list of suggested changes with the working group

- 1.1 – Discussion regarding need for upper voltage limit. No definitive conclusion was made and this will be discussed again at the Fall meeting.
- 3 -Decision was to remove redundant language in first paragraph and reword paragraph referencing C37.100.
- Definition of metal-clad – move requirement for barriers to clause 7.7 - agreed
- 4 – Suggestion was made to align humidity service conditions with C37.20.1. Dave Gohil volunteered to lead a task force to investigate aligning service conditions with C37.100.1 and other C37.20 standards. Task force to suggest wording prior to Fall meeting.
- 5.6.1 – There was a proposal to change current transformer mechanical rating to 6 cycles. Consensus is to keep 10 cycle rating.
- 6.2.1 – Task force of Ted Burse, Michael Lafond, Allan Morse, Michael Wactor will suggest wording regarding testing configurations.
- 6.2.2.8 - There was a suggestion to remove last sentence added in 2015. Consensus is to leave as is.
- Temperature rise for cable versus bus. Clarifications needed in the text to coordinate conductor size and allowable temperature rise in Table 3. Paul Gingrich will draft proposal with assistance from Michael Lafond and Paul Barnhart will review.
- 6.2.6 - Suggestion to add mechanical endurance tests for auxiliary devices. Task force led by Terry Woodyard and including Paul Barnhart, Ted Burse, and Michael Wactor will draft proposal.

- 6.2.7.3 -There is still some debate on the actual operating sequences described. Please comment to make the description more generic to cover different techniques and test devices.
- 6.2.9 – Consensus was to accept proposal to go back to the original language from the previous revision of C37.20.2 for the rain test.
- 7.2 – The purpose of the bus extension should be clearly defined and guidance given to address the functions.
- 7.3 - The decision was made to standardize on flame-retardant and include language from wiring amendments.
- 7.7 – This section highly modified to clarify barrier requirements as agreed to in web meeting.
- 7.12 – There was a debate on whether or not Fuse-Only auxiliary disconnecting devices should be grounded as there is no transformer to hold the static charge. Michael Wactor disclosed a patent exists but is not restrictive. This needs further discussion in the Fall.
- 7.21 – G&T Task Force headed by Paul Barnhart and Terry Woodyard will provide wording to address the potential loophole of third-party suppliers providing untested G&T devices. Michael Wactor to help if needed.
- Annex C – Michael Wactor to draft proposal to replace partial discharge testing annex.
- Annex D – Changes to references accepted.

The next working group meeting will be during the Fall meeting October 6 – 10, 2019 at Catamaran Resort in San Diego, CA.

The meeting was adjourned by the chair at 4:45 pm.

Report submitted by:	Michael Wactor, Working Group Chair
	Allan Morse, Working Group Secretary

Attendees

First Name	Last Name	Company	Role
Chris	Ambrose	Federal Pacific (Div. of Electro-Mechanical Corp.)	Member
Paul	Barnhart	Underwriters Laboratories	Member
Francis	Beauchemin	Hydro-Quebec	Member
Ted	Burse	Powell Industries, Inc	Member
Eldridge	Byron	Schneider Electric	Member
Randall	Creach	AZZ Switchgear Systems	Member
Michael	Flack	Southern Company Services, Inc.	Member
Sergio	Flores	Schneider Electric Inc. USA	Member
Paul	Gingrich	AZZ Switchgear Systems	Member
Sahadev	Gohil	AZZ Switchgear Systems	Member
Dan	Hrncir	Eaton	Guest
Michael	Lafond	ABB	Member
Alex	Lizardo	Cargill	Member
Charles	Morse	Siemens Industry, Inc.	Secretary
John	Phouminh	PEPCO HOLDINGS, INC.	Member
Donald	Swing	Powell Industries	Member
Chand	Tailor	Eaton Corporation	Member
Michael	Wactor	Powell Industries, Inc	Chair