

**C37.20.7 Working Group
Meeting Minutes
Online Meeting
April 21, 2021**

1. Call to Order

The meeting was called to order by Dan Hrnecir, Working Group Chair at 8:02 am Central Time.

2. Meeting Agenda

The meeting agenda was reviewed and approved by unanimous consent.

3. Meeting Minutes

The meeting minutes from Fall 2020 meeting was reviewed and approved by unanimous consent with one minor editorial correction to the minutes.

4. Introductions

Introductions were made by each person in attendance.

5. IEEE-SA Patent Policy and Copyright Policy

The IEEE-SA Patent Policy and Copyright Policy were discussed.

6. Attendance

There had 73 meeting attendees. Quorum was met as 41 of 51 members attended. There were 32 guests who participated. The meeting attendees are listed at the end of this document.

7. Discussion Items

7.1. Group began to review comments and suggested changes based on Fall 2020 meeting discussions.

7.2. Definition of "Normal Operation"

7.2.1. Discussed idea of adding definition of "normal operating condition" from NFPA 70E.

7.2.2. Agreement that we should stay consistent with NFPA 70E and CSA Z462 for definition of "normal operation".

7.2.3. Decision: Do not add definition for "normal operation" at this time.

7.3. Consideration for New Suffix

7.3.1. Much discussion about the concept of adding new appendix that would address having a primary device compartment door open during the test for arc resistance.

7.3.2. Motion by Eldridge Byron:

7.3.2.1. Motion 1: Does the current revision of C37.20.7 (2017), provide a methodology for testing with the primary circuit device cover/door open?

7.3.2.2. Motion 2: Is a new suffix, that defines having a primary circuit device cover/door open, needed?

7.3.2.3. Motions seconded by Michael Wactor.

7.3.2.4. Call for division of the question by Eldridge Byron. Seconded by Michael Wactor.

7.3.2.4.1. Each question to be voted on separately.

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- 7.3.2.5. Motion #1 vote result: Agree 17, Disagree 8, Abstain 0
 - 7.3.2.5.1. Motion #1 passes.
 - 7.3.2.5.2. After some discussion, Marcelo Valdes made motion to reconsider Motion #1. Paul Barnhart seconded the motion to reconsider Motion #1.
 - 7.3.2.5.3. Vote to reconsider Motion #1: Agree 18, Disagree 5, Abstain 3
 - 7.3.2.5.4. Motion to reconsider Motion #1 passes.
- 7.3.2.6. Motion #1 reopened. Discussion opened and held.
- 7.3.2.7. Motion #1 vote results: Agree 28, Disagree 0, Abstain 1
- 7.3.2.8. Motion #1 passes.
- 7.3.2.9. Mike Lafond call to question. Seconded by Doug Edwards.
 - 7.3.2.9.1. Keith Flowers objected to call to question.
 - 7.3.2.9.2. Mike Lafond rescinded his call to question. Agreed by Doug Edwards.
- 7.3.2.10. Motion #2 modification.
 - 7.3.2.10.1. After discussion, Doug Edwards motioned to modify Motion #2 to be the following.
 - 7.3.2.10.2. Should a new suffix be added to the document associated with having a primary circuit compartment cover/door open?
 - 7.3.2.10.3. Modified motion approved by Eldrige Byron and Michael Wactor.
- 7.3.2.11. Call the question by Michael Wactor. Seconded by Paul Barnhart.
 - 7.3.2.11.1. No objections.
- 7.3.2.12. Motion #2 vote result: Agree 7, Disagree 21, Abstain 1
 - 7.3.2.12.1. Motion fails.

7.4. Recommended Practice vs Guide

- 7.4.1. Discussion about changing the document from an IEEE Guide to an IEEE Recommended Practice.
 - 7.4.1.1. Changing to a Recommended Practice would require a PAR change.
 - 7.4.1.2. Would need to provide a request to Switchgear Assemblies Subcommittee.
- 7.4.2. Section 1.2.3 of the document states the document is a guide but the requirements in the document are mandatory if testing per this document is required.
- 7.4.3. Decision to withdraw the suggestion to change from a Guide to a Recommended Practice.

8. Next Steps

- a. Paul Sullivan to get approved minutes to IEEE Switchgear Committee website.
- b. Paul Sullivan to request two working group meeting sessions for Fall 2021 Switchgear Committee meeting.
- c. Dan Hrncir will submit draft of the document and comment sheet to the working group members to solicit input before our Fall 2021 meeting.
- d. Dan Hrncir may schedule a working group meeting before the Fall 2021 meeting at the Switchgear Committee meeting.

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e. Garrett Sims to make his presentation at a future Working Group meeting.

9. Adjourn

The meeting was adjourned at noon Central by Dan Hrcir.

Minutes Submitted By: Paul Sullivan, C37.20.7 Working Group Secretary

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Role	First Name	Last Name	Company
Chair	Dan	Hrncir	Eaton
Secretary	Paul	Sullivan	DuPont
Guest	Chris	Ambrose	Federal Pacific (Div. of Electro-Mechanical Corp.)
Guest	Roy	Ayers	NES Power
Member	Paul	Barnhart	Underwriters Laboratories
Guest	Bob	Behl	ABB
Member	David	Beseda	S&C
Guest	Michael	Boulus	PSE&G
Member	Russell	Boyce	Eaton
Member	Ted	Burse	Powell Industries, Inc
Member	Eldridge	Byron	Schneider Electric
Member	Clint	Carne	Schneider Electric
Member	Matthew	Claxton	Powell Industries
Member	Robert	Cohn	Powercon Corp.
Guest	Fiori	Coziuc	S&C
Member	Randall	Creach	AZZ Switchgear Systems
Member	Federico	Di Michele	CESI S.p.A.
Member	Doug	Edwards	Siemens
Member	Sergio	Flores	Schneider Electric Inc. USA
Guest	Claude	Florvil	PSE&G
Member	Keith	Flowers	Siemens Industry, Inc.
Member	Christopher	French	Eaton Corporation
Guest	Andrea	Glynn	Xcel Energy
Member	Sahadev	Gohil	AZZ Switchgear Systems
Guest	Monty	Goulkhah	Kinetrics
Member	Lou	Grahor	Eaton Corporation
Member	Jack	Harley	First Power Group
Member	Ronald	Hartzel	Eaton Corporation
Member	Tom	Hawkins	Siemens Industry, Inc.
Member	Jared	Hines	Eaton Corp.
Member	John	Kaminski	Siemens
Member	Chad	Kennedy	Schneider Electric
Member	Michael	Lafond	ABB
Guest	James	Lagree	Eaton
Guest	Robert	Lau	nVent Hoffman
Guest	Arthur	Leifson	ABB
Guest	Morgan	McNeal	Xcel Energy
Guest	Kurt	Mickler	Rockwell Automation

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Role	First Name	Last Name	Company
Guest	Henning	Milnikel	Siemens
Guest	Ashley	Moran	IEEE Standards Association (IEEE-SA)
Member	Darryl	Moser	ABB
Member	Terry	Neighbours	ABB Inc.
Member	Owen	Parks	ABB
Guest	Pathik	Patel	Duke Energy
Member	Andrew	Peterson	ABB
Guest	Mark	Peterson	Xcel Energy
Guest	John	Phouminh	PEPCO Holdings
Guest	Eduardo	Ramirez Bettoni	Xcel Energy
Guest	Samala Santosh	Reddy	Powell Industries
Member	Tony	Ricciuti	Eaton
Member	Jeffery	Ricker	SCHNEIDER ELECTRIC
Guest	Richard	Rohr	Powell Industries
Member	Leonel	Santos	Schneider Electric
Member	Todd	Sauve	Rockwell Automation
Guest	Matthew	Siena	Duke Energy
Member	Garett	Sims	Eaton Corp.
Member	Kevin	Sippel	Eaton Electric
Member	Donald	Swing	Powell Industries
Member	Chand	Tailor	Eaton Corporation
Guest	Bryan	Tatum	UL
Guest	Christo	Thomas	Schneider Electric
Guest	Dhirendra	Tiwari	ABB
Guest	Nenad	Uzelec	G&W Electric
Member	Marcelo	Valdes	ABB
Guest	Michael	Wactor	Powell Industries, Inc
Guest	Jonathan	Wear	AZZ Switchgear Systems
Guest	John	Webb	ABB
Guest	Michael	Whitney	CSA America
Member	Torsten	Wirz	ABB AG
Member	Terrance	Woodyard	Siemens Industry Inc.
Member	Mina	Youssef	Eaton Corporation
Guest	Li	Yu	Eaton
Guest	Xin	Zhou	Eaton