

Task Force Minutes

Common Requirements for High Voltage Power Switchgear Rated Above 1000 V

Meeting Date: 23 April 2018
Meeting Time: 1:30PM – 3:15PM EDT
Location: Disney's Contemporary, Lake Buena Vista, FL

A. Call to order

Keith Flowers: Call to order at 1:30PM.

B. Introductions

Attendees introduced themselves with their affiliations.
Attendance recorded via 123Signup – 78 Persons in attendance.

C. Approval of agenda

No objections – Approved by consent.

D. Rules and guidelines for conducting working group meetings

The IEEE Patent Policy and Business Conduct slides may be reviewed at the following website: <http://standards.ieee.org/board/pat/pat-slideset.pdf>
No patent issues reported.

E. Working group P&Ps

Each Working Group must operate under a IEEE-SA approved Working Group Policies and Procedures protocol. The approved template for the Switchgear Committee is:
[http://www.ewh.ieee.org/soc/pes/switchgear/O-and-P/PES_WG_PP-Switchgear--approved-\(2013-09-19\).pdf](http://www.ewh.ieee.org/soc/pes/switchgear/O-and-P/PES_WG_PP-Switchgear--approved-(2013-09-19).pdf)
Reminder that Task Force / Study Group will follow these WG Policies.

F. Document status report of C37.100.1-2007 and Draft C37.100.1-2017

PowerPoint slides presented (attached to these minutes).

Erin Spiewak:

- For other Standards, if references are taken from C37.100.1-2007 and used in a document, IEEE Copyright Manager does want reference to source of the text being copied. How to do this? Erin guidance is:
 - o Footnote in the document
 - o Provide email with description of the content “borrowed” to Erin Spiewak.
- For copying text originally from IEC, then footnote reference to IEC would be appropriate.

Concerns expressed for future similar copyright issues when IEC text is used.

Potential for Dual Logo options. Concept has been discussed with mixed viewpoints of likelihood of IEC TC supporting or not.

Discussion of re-balloting C37.100.1-2007 with only minor (e.g references) changes, which would drive need for a new PAR and re-balloting.

Revising C37.100.1 for inclusion of LV Common Clause issues discussed, no specific directions determined.

Options were reviewed. New option identified to re-ballot C37.100.1-2007 (minor revisions, e.g. references) to extend the life of the Standard. This concept was supported.

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Soliciting volunteers for WG Chair and WG members. Goal is to have volunteers identified by Thursday's AdsCom meeting.

G. New business

- Review the ADSCOM meeting resolution from December 2017 online meetings.
No specific discussions of this point.
- Discussion: If to proceed with a revised version of C37.100.1?
See above discussions.
- Solicit volunteers for officers (pending desire to move forward with revision).
See above discussions.

H. Conclusion

Wrap-up and discussion of next steps.
3:00 PM Adjournment.

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Attendance – 80 Persons

Last, First Name	Company
Abebe, Benjamin	Qualitrol
Agliata, Peter	Hubbell Power Systems
Almeida, Edwin	Southern California Edison
Arlund, Joshua	MacLean Power Systems
Beseda, David	S&C Electric Co.
Blake, Jacob	Hubbell Power Systems
Boles, Brett	Southern Company
Bonner, Antone	PAS Consulting
Borck, Christopher	Eaton's Power Systems Division
Brignac, Andrew	Entergy
Brogdon, Jeffrey	Georgia Transmission
Bufi, Arben	Hitachi T&D Solutions, Inc.
Burse, Ted	Powell Industries, Inc
Byron, Eldridge	Schneider Electric
Cannon, Kelly	Hubbell Power Systems
Cary, Stephen	GE Energy Management
Chen, Steven	Eaton Corporation
Chovanec, Andrew	GE Power
Cochran, Sterlin	Hubbell Power Systems
Cook, Timothy	Pascor Atlantic
Culhane, Michael	Eaton
DeCesaro, Frank	Eaton's Power Systems Division
Dufournet, Denis	Retired
Edwards, Doug	Siemens Industry, Inc.
Flowers, Keith	Siemens Industry, Inc.
Gieger, Jeffrey	Thomas & Betts
Gingrich, Paul	AZZ Switchgear Systems
Glaesman, Peter	PCORE Electric Company, Inc.
Gohil, Sahadev	AZZ Switchgear Systems
Guzman, Francisco	Southern California Edison
Harley, John	FirstPower Group LLC
Heiermeier, Helmut	ABB
Hensberger, Jeremy	Mitsubishi Electric Power Products Inc.
Hermosillo, Victor	GE Grid Solutions
Hirz, Harold	Thomas and Betts
Hoss, Danny	Southern States
Houston, James	Southern Company Transmission
Hurst, Bill	GE
Johnson, Travis	Xcel Energy
Kaminski, John	Siemens
Keels, Thomas	Salt River Project
Kohler, Thomas	Ameren

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Kowalik, Peter	Cleaveland/Price Inc.
Leal, Gustavo	Dominion Energy
Leccia, Brad	Eaton
Liu, Hua Ying	Southern California Edison
Martin, Gary	Entergy
McMullen, David	Georgia Power Company
Mizener, Jeff	Siemens Industry, Inc.
Morton, Christopher	Powertech Labs Inc.
Mulcahy, Tom	Dominion Virginia Power
Patel, Pathik	Duke Energy
Pitel, Michael	Eaton
Ramsey, Robert	Bechtel
Reigart, Carl	CDR Technical Services, LLC
Ricciuti, Anthony	Eaton Corporation
Riffe, Dave	Westinghouse Electric Company
Roberson, Mark	AZZ/Calvert
Savulyak, Victor	DNV GL KEMA Laboratory
Schiffbauer, Daniel	Toshiba International Corporation
Skidmore, Michael	AEP
Steckschulte, Kyle	AEP
Swing, Donald	Hubbell Power Systems
Tabakovic, Dragan	Meramec Instrument Transformer Co.
trichon, francois	schneider electric
Trost, Karla	G&W Electric
Uzelac, Nenad	G&W Electric
Webb, John	ABB
Wen, Jerry	BC Hydro
Wenzel, James	Eatons Cooper Power Systems
Westerdale, Matt	Bureau of Reclamation
Wilkie, William	Eaton
Witcher, Emily	Hubbell Power Systems
wolf, robert	Hubbell Power Systems, Inc.
Woodyard, Terry	Siemens Industry Inc.
Yang, Hua	Rockwell Automation Canada
Zehnder, Lukas	ABB Switzerland
Zhang, Wei	Hitachi T&D Solutions, Inc.
Zhu, Xi	GE Energy Management
Zia, Danish	UL LLC



**THE
WAR
OF WORDS**

WG for revision of IEEE Std C37.100.1

Today's Agenda

A. Call to order

B. Introductions

C. Approval of agenda

D. Rules and guidelines for conducting working group meetings

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F. Document status report of C37.100.1-2007 and Draft C37.100.1-2017

G. New business

- Review the ADSCOM meeting resolution from December 2017 online meetings.
- Discussion: If to proceed with a revised version of C37.100.1?
- Solicit volunteers for officers (pending desire to move forward with revision).

H. Conclusion

- Wrap-up and discussion of next steps.

Document status report of C37.100.1-2017

- ❑ Approximately 1.5 years ago it was submitted to RevCom for approval.
- ❑ RevCom review was tabled pending copyright approval from IEC.
- ❑ Late 2017 IEC rejected IEEE's request for use of copyrighted IEC 62271-1:2017 material.
 - ❑ IEC policy limits duplication of copyrighted material to **less than 10%**.
 - ❑ Dave Stone estimated that -2017 had duplicated **approximately 85%** of IEC 62271-1:2017.

Document status report of C37.100.1-2007

- ❑ So, what about C37.100.1-2007?
- ❑ This standard is set to expire at the end of 2018.
- ❑ However, it is still a valid document, and will remain commercially available as long as there is demand.
- ❑ There is no IEEE policy against making normative references to expired documents.
 - ❑ **New standards can still reference C37.100.1-2007!**

For new and in-process standards....

ADSCOM requests each working group to revise their document to use IEC 62271-1:2017 as the common clauses document and remove all references to the 2017 draft of IEEE C37.100.1. As an alternative the working groups may use C37.100.1-2007 either in whole or modified as needed. Please understand IEC 62271-1:2017 should be stable until 2027. ADSCOM will be requesting an extension of IEEE C27.100.1-2007 so that it will remain active until 2019. This request is not a guarantee but only a stopgap to provide time for the working groups to modify their document to use IEC 62271-1:2017.

Which means....

- ✓ **Reference to IEEE Std C37.100.1-2007**
- ✓ **Reference IEC 62271-1:2017**
- ✓ **Reference IEC 62271-1:2017 with exceptions**
- ✓ **Forego Common Clauses (IEEE or IEC) and define the requirement within your draft standard.**

Long term future for C37.100.1?

- **Path 1:**

Rewrite C37.100.1 to eliminate any language that infringes upon the copyright of IEC 62271-1

- **Path 2:**

Rewrite C37.100.1 to remove IEC language, and replace with a reference to the parallel clause within IEC 62271-1

Long term f

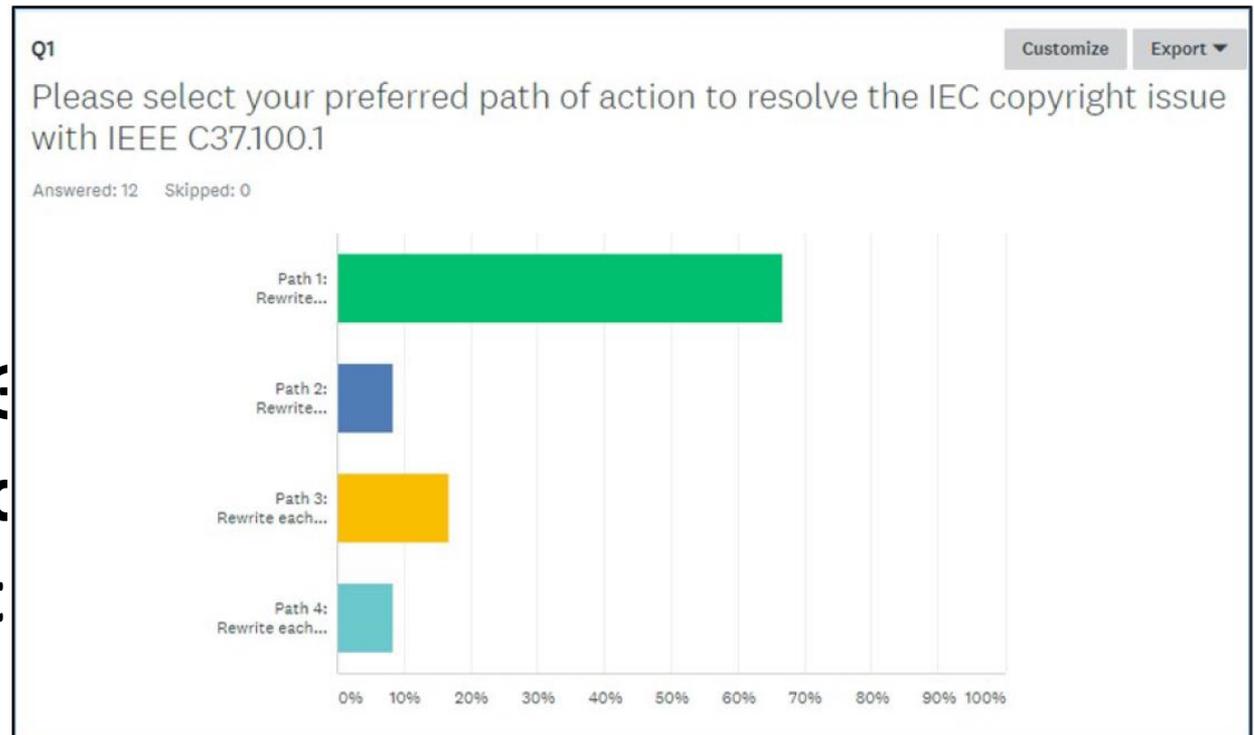
Polling of ADSCOM members showed a strong preference for “Path 1”

- Path 1:

Rewrite C37.100.1 to eliminate any language that infringes upon the copyright of IEC 62271-1

- Path 2:

Rewrite C37.100.1 and replace the copyright clause with



If we want to revive C37.100.1....

- We need volunteers to serve as Working Group officers**
- We need volunteers to serve on the Working Group**

Next Steps ???