

Meeting Minutes

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**A. Call-to-Order and Agenda**

A special session teleconference was called for and held on November 16, 2017 at 4 pm EST to discuss the denied copyright status of draft IEEE C37.100.1 by the International Electrotechnical Commission (IEC).

**B. Attendance**

Roll call was taken prior to the meeting. Thirteen members were present, plus two guests.

<b>Role</b>	<b>First Name</b>	<b>Last Name</b>	<b>Company</b>
Chair	Todd	Irwin	GE Grid Solutions
Secretary	Keith	Flowers	Siemens Industry, Inc.
Member	James	Houston	Southern Company Transmission
Member	John	Leach	Consultant - Hi-Tech Fuses
Member	Jeff	Mizener	Siemens Industry, Inc.
Past Chair	Dean	Sigmon	Eaton Corporation
Member	Michael	Skidmore	AEP
Member	David	Stone	DTS Technical Services
Member	Paul	Sullivan	DuPont
Member	John	Webb	ABB
Past Chair	Roy	Alexander	RWA Engineering
Past Chair	Ted	Burse	Powell Industries, Inc
Past Chair	Russell	Long	Retired
Incoming Secretary	Doug	Edwards	Siemens Industry, Inc.
IEEE Staff	Erin	Spiewak	IEEE

**C. Document Status**

The Working Group for IEEE C37.100.1 has been working towards creating and maintaining a singular IEEE standard for common requirements for high-voltage switchgear. This standard was modeled after the parallel IEC standard for common requirements, IEC 62271-1. This model was due to efforts to harmonize between IEEE and IEC, where possible.

The first edition of IEEE C37.100.1 came out in approximately 2007, with the working group initiating a PAR for a revision shortly thereafter.

Copyright release was required for the first edition, and was easily granted by the IEC. Copyright release was identified as necessary early on for the revision, but it was not judged to be a road block with the revision effort.

IEC has guidelines permitting copyright release for documents containing less than 10% IEC content. The 2007 version of C37.100.1 is estimated to contain approximately 30% IEC content. The current draft revision contains approximately 80% IEC content.

IEEE C37.100.1-2017 was been a tabled item on the REVCOM agenda for this entire calendar year, waiting for the IEC copyright release before REVCOM consideration. Within

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the last two weeks, IEC has notified IEEE that the copyright release would not be granted. IEEE C37.100.1 has been pulled from the December 2017 REVCOM agenda.

Given these unfortunate circumstances, a new direction must be determined.

### D. Discussion

Discussion centered around four different potential paths forward:

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

The material in C37.100.1 largely came from IEEE Switchgear “mother documents” and is not unique to IEC. Ideal situation is to improve clarity and reduce chance of inconsistent application is to use identical wording. IEC does not own the copyright to the “facts/physics” involved, but they do have the right to deny IEEE copying their phraseology. The problem may be solved by simply rewording the clauses where the wording was harmonized.

#### **Path 2: Rewrite C37.100.1 to remove IEC language, and replace with a reference to the parallel clause within IEC 62271-1.**

One of the major downsides to this approach is that a “mother document” will reference IEEE C37.100.1, which will in turn reference another standard – IEC 62271-1, which is not very reader friendly. This places additional financial burden on the users with need to purchase another standard. Also, the IEC clauses typically reference other IEC clauses and documents, so exceptions will need to be written for these undesirable references, as well as corrections to the intended IEEE reference (when applicable).

#### **Path 3: Rewrite each individual document to remove reference to C37.100.1 and directly reference the clauses within IEC 62271-1.**

This path has many of the same pitfalls as Path 2, but with the improvement that the “middle-man” of IEEE C37.100.1 is removed. But, as the IEC 62271-1 standard is revised, the maintenance and coordination between the various IEEE documents becomes considerably more challenging, as the Working Groups will try to keep common the words intended on being common. This also removes the needed common clauses maintained by IEEE is C37.100.1 and no longer present in IEC 62271-1.

#### **Path 4: Rewrite each individual document to integrate the language from IEEE C37.100.1, but eliminating any language that infringes upon the copyright of IEC 62271-1.**

This path essentially reverts the IEEE standards to how requirements were defined prior to the creation of C37.100.1.

### E. Next Steps

The participants were not able to arrive at a decision as to how to move forward.

Erin Spiewak recommended that the Working Group request a two-year extension for C37.100.1-2007 to allow for the Switchgear Committee to determine and implement a path

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forward. There is solid justification for doing so, based on the Working Group has been working on good faith that the copyright release was forthcoming, only to have it rejected at this late date. An action plan must be in place before requesting this extension.

Dave Stone created a spreadsheet of all Switchgear Committee standards. This spreadsheet will be circulated to the Subcommittee Chairs for them to note which standards are impacted by this copyright issue regarding C37.100.1. Request is for the Subcommittee Chairs to complete this assignment within the next week.

An informal poll of ADSCOM members will be initiated to establish initial preference of four potential paths forward.

### **F. Upcoming Meetings**

Objective is to have a follow-up teleconference during either the week of November 27, or the week of December 4. Exact meeting date and time will be determined by a polling of the ADSCOM members.

Further action beyond that will be determined, as needed.

Minutes submitted by:  
Keith Flowers  
Secretary  
November 16, 2017