

# **C37.100.1 WG Common Requirements for HV Power Switchgear Rated Above 1000 V May 2, 2012 – St. Pete Beach, FL**

The Working Group for the revision of C37.100.1-2007 held its 2nd meeting on May 2, 2012 at St. Pete Beach, Florida. Nineteen members and fifteen guests were present.

Meeting was called to order by David Stone (Chairman)

The Chair reminded the Working Group of IEEE patent policy and guidelines for the conduct of meetings.

The agenda was reviewed and a motion to approve was made by Ted Burse with a “second” by John Webb. The motion was approved by acclamation.

Oral Introductions of meeting members followed and attendance sheets were circulated. The Chair reminded members that lack of participation may result in being dropped from the WG.

All attendees were advised of the process and access requirements to retrieve information from the IEEE document archives at the following URL:

<http://grouper.ieee.org/groups/c37/100/1/private>.

Username and password was shown at the meeting and may be requested by WG members from the Chairman.

## **IEC Activity:**

Larry Farr gave a summary of IEC activity. Their Maintenance Team (MT34) has completed its first draft that is expected to be distributed to the National Committees very soon. Larry noted that “hanging paragraphs” was an issue with IEC and the Chair also noted this would also be an issue with IEEE. Switching requirements are not consider “common” and therefore are not covered in C37.100.1.

## **WG Objectives:**

The Chair led a discussion on what the objectives of the current revision project should be. Chairman Stone noted that he has received very little in the way of feedback from the members of the WG or the Switchgear Committee as a whole. Proposals for some “guiding principles” were presented, see Annex B. Harmonization of the IEEE and IEC standards was discussed, some members supporting the effort and others stating that C37.100.1 is an IEEE standard and harmonization with IEC should not be the primary objective. Each topic (specification) should be considered on its own merits.

The WG for C37.04 reported that the topic of auxiliary switch ratings should be considered.

The Chair prepared proposed changes to the first four clauses of C37.100.1 in a preliminary (partial) draft and advised that proposed changes for the entire document would be prepared and distributed to the WG for comment - target end o f

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June. The draft would be available for download from the previously reference website. Comments are due from the WG members in normal format by September 1, 2012 and will become the primary topic of discussion at the October WG meeting in San Diego.

**Terms and definitions:**

A suggestion was made by the Chair that the WG consider the expansion of the definitions clause whereby all of the standard IEEE terms used in the standard be pulled in from IEEE C37.100 to provide a convenient reference for users and a "home" for the terms within a switchgear standard. Larry Farr, Kirk Smith and Gerard Schoonenberg volunteered to provide a list of terms for consideration.

The Working Group was asked to provide input regarding the impact that changes in C37.100.1 might have with other IEEE standards.

A motion to adjourn was made by Ted Burse, seconded by Carl Schneider and approved by acclamation.

Larry E. Yonce, Secretary

**Annex A: Attendance: C37.100.1-2007 WG Meeting May 2, 2012**

**X = present at meeting**

Role	First Name	Last Name	Company	5/1/2012
Chair	David	Stone	DTS Technical Services	X
Secretary	Larry	Yonce	Eaton Corporation	X
Member	Chris	Ambrose	Federal Pacific	X
Member	George	Becker	The United Illuminating Company	Absent
Member	Robert	Behl	ABB	X
Member	W.J. (Bill)	Bergman	PowerNex Associates Inc.	Absent
Member	Anne	Bosma	ABB AB	X
Member	Russell	Boyce	Eaton	X
Member	Arben	Bufi	HITACHI HVB, INC. Powell	Absent
Member	Ted	Burse	Industries, Inc Southern	X
Member	Gilbert	Carmona	California Edison Cooper	Absent
Member	Frank	DeCesaro	Power Systems Alstom	X
Member	Denis	Dufournet	Grid	X X
Member	Donald	Elliott	ABB	Absent
Member	Leslie	Falkingham	Vacuum Interrupters Limited	X
Member	Lawrence	Farr	Eaton Electrical Eaton	Absent
Member	Melvin	Hughes	Corporation Southern	X
Member	Hua Ying	Liu	California Edison	X
Member	Albert	Livshitz	Schneider Electric Services	Absent
Member	Steven	Meiners	GE	Absent
Member	Frank	Muench	Cooper Power Systems	X
Member	Gerard	Schoonenberg	Eaton	

**Annex A: Continued**

Role	First Name	Last Name	Company	5/1/2012
Corresp Member	Arun	Arora	Consultant	Absent
Corresp Member	James	Collins	CRC Industries	Absent
Corresp Member	Larry	Davis	Reuel Inc	Absent
Corresp Member	Ken	Edwards	Bonneville Power Administration	Absent
Corresp Member	Charles	Hand	Southern California Edison	Absent
Corresp Member	Kenneth	Harless	Pascor Atlantic	X
Corresp Member	Harold	Hirz	Thomas and Betts	X X
Corresp Member	Jingxuan (Joanne)	Hu	RBJ Engineering Corporation	Absent
Corresp Member	David	McMullen	Southern Company Services	Absent
Corresp Member	Joachim	Oemisch	Siemens AG	Absent
Corresp Member	Muhammad	Omer	ABB Inc	Absent
Corresp Member	Edward	Peters	Powell Electrical Systems	Absent
Corresp Member	Larry	Putman	Powell Electrical Systems Inc.	X
Corresp Member	Carl	Reigart	Hubbell Power Systems/USCO	Absent
Corresp Member	Hugh	Ross	Ross Engineering Corporation	X
Corresp Member	Carl	Schneider	Square D	X
Corresp Member	Robert	Smith	Eaton Corporation	Absent
Corresp Member	Hongbiao	Song	Bechtel	Absent
Corresp Member	Paul	Sullivan	DuPont	Absent
Corresp Member	Chand	Taylor	Eaton Corporation	X
Guest	Stan	Billings	Mitsubishi Electric PP	X
Guest	Antone	Bonner	Cooper Power Systems	X
Guest	STEVEN	CHEN	CHENHOUSE NORTH AMERICA	X
Guest	Ronald	Esco	Eaton	X
Guest	John	Hall Hoss	Tennessee Valley Authority	X
Guest	Danny	Jankowich	Southern States	X
Guest	Edward	Konkle	Jankowich Consulting LLC	X
Guest	Dan	Mashburn	Siemens Industry, Inc.	X
Guest	Mark	Meyer	American Electric Power (AEP)	X
Guest	Peter	Nelson	S&C Electric Company	X
Guest	Jeffrey	Sharma	Tennessee Valley Authority	X
Guest	Devki	Swank	Consultant	X
Guest	James	Swing	Cooper Power Systems	X
Guest	Donald	Webb	Southern States, LLC	X
Guest	John		ABB	

## **Annex B: Discussion Proposals for WG Guiding Principles**

- Specifications should be common
  - Not equipment specific
  - Be careful of topics specific to only one or two relevant equipment standards
  - Avoid pet topics
  - Subjective determination
- Specifications should favor “best practices”
  - Not necessarily the lowest common denominator
  - Not necessarily “the way we have always done it”
- Harmonization with IEC 62271-1
  - Both organizations will benefit from collaboration
  - May require some compromise
  - Result will benefit the industry as a whole
- Review topics passed over in 1st revision
  - Ideas that were felt to be too controversial for acceptance
  - Some IEC solutions were not acceptable to IEEE
  - Both sides are revisiting the differences