

**IEEE Power Engineering Society
Switchgear Committee
Switchgear Assemblies Sub-Committee**

**C37.121 Working Group Report
May 18, 2011 – Orlando, FL**

C37.121 Draft Guide for Switchgear – Unit Substation - Requirements

PC37.121 working groups met for Wednesday morning session from 8:00 AM to 8:59 AM.

Participants:

Members (26 total / 22 present / 4 absent)		Guests (13)
R. Barnett (A)	D. Lemmerman (A)	G. Arce
P. Barnhart (P)	A. Livshitz (P)	R. Boyce
J. Baskin (P)	D. Mazumdar (P)	C. Carne
T. Burse (P)	S. Meiners (A)	D. Dunne
D. Edwards (P)	A. Morgan (P)	E. Dullni
L. Farr (P)	C. Morse (P)	P. Gingrich
M. Flack (P)	T. Olsen (P)	P. Glaesman
K. Flowers (P)	R. Parthasarathi (A)	R. Hartzel
S. Gohil (P)	A. Patel (P)	T. Hawkins
D. Hrncir (P)	J. Smith (P)	M. Hughes
A. Jivanani (P)	P. Sullivan (P)	S. Hutchinson
H. Josten (P)	C. Taylor (P)	R. Jackson
M. Lafond (P)	J. Toney (P)	T. Langerstrom
P = present, E = excused, A = absent		

1. Kickoff
 - 1.1 Agenda Review – Agenda was approved as submitted.
 - 1.2 Patent Slides

Patents:

IEEE-SA rules on Patents were reviewed prior to further discussions. The introductory slide, and slides #1 through #5 of the IEEE-SA Patents Slide Set dated 25-March-2008 were shown. The WG attendees were advised:

- The IEEE's patent policy is consistent with the ANSI patent policy and is described in Clause 6 of the IEEE-SA Standards Board Bylaws;
- Early identification of patent claims which may be essential for the use of standards under development is encouraged;
- There may be Essential Patent Claims of which the IEEE is not aware. Additionally, neither the IEEE, the WG, nor the WG chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.

The participants were provided an opportunity to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of the standard which will result from the activity of the WG.

No responses were received during the meeting regarding patent claim(s)/patent application claim(s) and/or the holder of the patent claim(s)/patent application claim(s) that were identified (if any) and by whom.

- 1.3 Introductions
 - 1.4 Roster – Roster was circulated and completed and is recorded via AMS system.
 - 1.5 Minutes from previous meeting – Previous minutes have one correction. The ending time of meeting was “AM” not “PM.”
2. Document / Comments review C37.121-D8a & Comments
 - 2.1 Jim Smith to provide Abstract & Introduction by May 20, 2011. Document will be updated and distributed to WG for review and comments.

- 2.2 IEEE 100 – Doug E – Update the dictionary reference per Ted Olsen input. For the purposes of this document, the following terms and definitions apply. The [IEEE Standards Dictionary: Glossary of Terms & Definitions](#) should be referenced for terms not defined in this clause.
- 2.3 Clause 8.5: Two very similar paragraphs are provided in each of these clauses. Previous discussion had been to combine or delete text as appropriate for each clause. After further review, both paragraphs will be maintained with change of term "let-through short-circuit current" to be "through-fault current." This term reference was taken from C57.109.
- 2.4 Clause 8.6: Same comment as for Clause 8.5.
- 2.5 Doug Edwards: Tables 1, 2 & 3 Footnote: Ensure that the footnotes are with the table and space formatting is cleaned-up.
- 2.6 Notes were reviewed as to being normative or informative. For items that are considered normative, the word "NOTE" was changed to "Comment." This occurred in sections 3 with the definition for Conformance Tests and Unit Substation.
- 2.7 11.6.2.1 Added sentence, "See ANSI/IEEE Std C57.142 for information on mitigation of switching transients. Also, due to the figure not being representative of typical surge protection, the Figure 24 is deleted.
- 2.8 Add C57.142 is to be added to the references Section 3.
- 2.9 Update Figure number references.

3. PAR – Jim Smith to prepare the Revisions to the PAR. Deadline for this is ~August 1.

4. Balloting - Schedule:

PAR Revisions by 2011-05-20

Jim Smith

Document:

Updates from WG meeting by 2011-05-18

Doug Edwards

Introduction & Abstract and Submittal to WG for review by 2011-05-27

Jim Smith

WG Review and Comments by 2011-06-06

WG

Updates from WG comments by 2011-06-13

Doug Edwards

Submittal to IEEE for Technical Editing Review by 2011-06-13

Doug Edwards

Resolution with IEEE for Technical Editing Review by 2011-06-24

Jim Smith / Doug Edwards

Initiate Ballot - Deadline is 2011-07-01

Jim Smith

5. Other?

Additional Comments received after meeting adjourned.

5.1 Add column numbers to Table 1 (similar to Tables 2 & 3)

5.2 Ensure correct formatting for numbers >999. Update Table 1 & 2

5.3 Ensure Tables 1, 2, and 3 – Correct "Liquid-Immersed" vs. "Liquid Filled" and "Sealed Dry-Type" vs. "Sealed Dry Ventilated" vs. "Ventilated Dry" to the C57 standard titles.

5.4 WG member names added to the Participants lists section.

Prepared by: Vise Chair: Doug Edwards
2011-05-18

Chair: James E. Smith