

IEEE Power Engineering Society  
Switchgear Committee  
C37.20.1 Working Group Report  
October 9, 2000

The working group met on May 8, 2000. The meeting was called to order by acting chair T. Olsen with 3 WG members and 12 guests present. Excused absences were accepted for N. Simon (chair), S. Slattery (at IEEE meeting in Rome), and T. Burse (C37.100.1).

The PAR for revision of C37.20.1 was approved on June 21, 2000.

Draft 9 (6-Oct-2000) was distributed to the attendees. This draft was reviewed, and the need for revisions to be incorporated was discussed. Significant comments on revisions needed:

- Document needs to be put into IEEE standard format, with introduction, table of contents, abstract, etc.
- Metric units of measure must be used exclusively, in accordance with the IEEE policy on metric practices. In brief, this requires that use metric units exclusively in the normative portions of the standard. Inch-pound data may be included, if necessary, in footnotes or annexes that are informative only. Exceptions are allowed for trade sizes, such as the AWG wire series and inch-based standards for fasteners. See Annex C of the Standards Style Manual, available on the IEEE-SA web page.
- References need to be moved into clause 2, which requires renumbering of the entire document.
- All reference dates require review and updating.
- A detailed comparison to the recently published C37.20.2 must be performed to assure that topics that should be treated identically are identical.
- Considerable discussion occurred on the need to change the “rated short-circuit current” to “rated momentary withstand current”. The term “momentary” has been used by those who use and specify C37.20.1 equipment for decades, but is not defined or listed in the standard. The consensus was that we should retain the historic “rated short-circuit current” term, but should add text in a note to clause 4.4.4 discussing the historic “momentary” terminology.
- W. Laubach provided extensive comments in E-Mail messages of 26-Jan-2000 and 24-May-2000, and these were discussed. Revisions will be incorporated to address most of the comments raised by Mr. Laubach.
- Additional text will be incorporated to address unique aspects of LV dc switchgear, particularly with respect to shunts and grounding. G. Nourse, W. Laubach, and D. Mazumdar will be asked to contribute suitable language in this area.
- Extensive discussion occurred (again) on the subject of voltage circuit protection and isolation (clauses 6.1.3.8 and 6.1.3.8.3) and appropriate revisions were discussed.

Draft 9 will be revised to reflect the discussions during this meeting. The next draft (Draft 10) will be circulated by E-Mail to the WG (and interested guests) and to the Switchgear Assemblies subcommittee for comments in mid-November, and will also be sent to the IEEE-SA editors for input at that time. Our intent is to have comments resolved so that the document can go to the IEEE-SA and ASC C37 for ballot by early June of 2001.

Report submitted by:           T. W. Olsen  
  9-October-2000