

IEEE Power Engineering Society
Switchgear Committee
Low Voltage Switchgear Devices Subcommittee

C37.17 Working Group Report
October 2, 2006 – Milwaukee

C37.17 working group met on Monday morning October 2, 2006, with 10 of 12 members and 11 guests in attendance. The WG has a PAR and was convened under the chairmanship of Jeff Mizener.

The required IEEE Patent Slides were presented.

Discussion Items

1. A previous discussion on revising the scope (and hence the PAR) to include DC breakers up to 3200V was reviewed. It was concluded that the group should specifically exclude any other kind of DC breaker except those designated as "General Purpose". Non-general purpose (e.g.: traction) breakers can be more adequately covered under C37.14. It was decided to recommend that C37.14 be revised to do justice to this topic.
2. During a discussion of the definitions included in the standard, it was suggested that, upon conclusion, those definitions be reviewed against those in C37.100 and that the definitions in C37.17 be merged into that document, when appropriate, replacing any which might already exist.
3. It was concluded that tables 22A & 22B, recommended for relocation to C37.17 from C37.16, stay in that standard. The chairmen of C37.16 are in agreement.
4. Section 2 was updated to include the most recent versions of the documents referenced. This section will be reviewed before balloting to make sure that all references are the most up-to-date.
5. Section 3 was reviewed and several corrections made.
6. Section 4 was corrected to refer to the specific tables in C37.16.
7. Much progress was made on sections 5 (descriptions of protective functions).
8. Section 6 was deleted in favor of ensuring that DC tripping functions are adequately covered in section 5.
9. Zone selective interlocking is now section 6, with minor clarifying changes.
10. No changes to former section 8, now section 7.
11. The following sections on calibration and delay times will be re-arranged in one of two ways: either all the information will be rolled into the corresponding subsections of section 5, or it will be split into two explicit sections, one for DC and one for AC. After circulations of the new version, suggestions will be taken from the WG membership and interested parties.
12. The decision to remove the text on testing formerly contained in section 10.1 was briefly reviewed. The reasoning for this deletion was to avoid conflicts with C37.50. The test on testing stays deleted.

Schedule

1. The WG will meet again in four months.

Action Items

1. Merge sections 5 & 8 as appropriate
2. Clarify UV trips in one or two sentences
3. In the sections describing Long-time-delay trip functions, add text mentioning calibration marks >100% are not meant to exceed the maximum continuous current carrying capacity of the physical circuit breaker frame.
4. Distribute MSWord version including comments and changes made during the meeting.

Report submitted by: Jeff Mizener
WG Chair