

Minutes C37.74

Monday, April 26, 2010

Steve Meiners, WG chair, opened the meeting at 8:15am.

The members and guests introduced themselves, and the roster was circulated.

The WG chair presented the IEEE patent slides and guidelines.

The minutes from the fall meeting were reviewed. Motion to accept the minutes were made second and approved.

Jeff Geiger had sent e-mail question asking for background and history on the use of the same sample for fault close testing as used for other tests such as load switching. C37.60 allows use of a new sample for fault closing tests. Don Martin commented that this may go back to C37.71 and “old” need to demonstrate capability of the switching device to do fault close duty following open close load duty. Steve Meiners will contact Ray Capra and request an update from him on this question.

Request to initiate ballot has been sent to IEEE swgr, a Mandatory Editorial document submission is also due. The request will be reviewed and approved then invitation should open for 30 days. WG to look for this in SA and petition to join the ballot pool once received, this invitation should be out in next few days.

A clean copy of Draft 4 will be sent for this ‘editorial’ review.

Some comments were received on the draft 4 copy.

6.7.8.1 In the text reference is made to figure 3 this should be figure 2. Also, the notes refer to figure 4 change to figure 2.

6.7.8 In text correct typo to show figure 2 rather than 4.

There is a miss-match to dielectric test requirements between the swgr and connecting cables. Frank D. raised a concern that at times changing of the cable connections is required to pass the test. If the cables do not pass are we satisfied to fail the swgr due to not being able to test to full requirements? This was discussed few meetings back and the text and ratings were left as is. IEEE 404 is best reference for cable test values. It was asked how often in the test lab that this actually does occur. The risk is that the cables are over stressed and may not be able to allow full testing of the swgr cables connections are replaced during testing to get past the testing. Decision is to move forward with the draft as defined.

Matt Ceglia, IEEE, gave an introduction on method to join a ballot group for standards. He also mentioned for the interested parties that a short session will be held on Wednesday morning from 10:15 to 12:00 Noon on IEEE-SA familiarization.

Scott Reed had two more comments to the Draft 4 the WG addressed those proposed changes.

First is in reference to 6.7.4.2 and Figure 3 “Notes” adding and clarifying the connections. The proposed changes to Note 1 are given here.

All metallic parts of the enclosure and mountings shall be grounded for the peak withstand current and short-time tests. For fault-closing tests, the enclosure and mountings shall be insulated from ground, but connected to ground through a suitable device to indicate any significant current to ground. A 5 cm (2 in) long #38 AWG wire is sufficient to detect significant current to ground.

Much discussion on the #38AWG wire size as defined in 1247 and recommended in Scott’s comment. After talking with others on this subject it was decided that a fuse rated for 3A would be used rather than #38 wire size.

Steve M will review 1247 and revised the text in 6.7.4.2 first removing the Note and adding text similar to that in 1247 in the body of document.

Also Note 2 was proposed to change the wording as shown here.

For the fault-closing test, the load or the source shall be grounded, but not both.

Steve M will remove the Note and add text in the body of document.

Table 8 recommendations to revise notes 2 adding a note 3, which text was in 2.

Note 2 revise to Tests shall consist of a close operation followed by a open operation. It is not a requirement that the test circuit remain energized between operations.

Note 3 added text same as it was for note 2. Mechanical operations are those specified following short-circuit and thermal runaway tests in Table 7 and are in addition to the mechanical operations tests specified in 6.7.10.1.

These notes are informative and need to be either a footnote or added to the body of the text. This will be revised by Steve M in the draft 5 copy.

These changes plus a scrubbing of other editorials in the document will be performed by Steve M and a Draft 5 circulated to the WG. The comments are to be returned to Steve M by end of May on the Draft 5 copy. Steve M will send out the new draft by end of the week.

Meeting was adjourned.

Attendance 14 members (3 excused) and 5 guests.