

Chair: Steve Meiners

Meeting Minutes

1. Call to order and introduction:

Meeting was called to order at 8.03AM. Meeting was being chaired by Chris Ambrose in place of Steve Meiners who was ill. Frank DeCesaro is filling in as secretary for the day.

2. Roster Check:

The roster sheet was circulated. There were 15 Members and 11 Guests. Introductions were given by all attendees providing name and affiliation. Roster sheet was circulated.

3. Previous Meeting Minutes

Minutes from fall of 2012 were displayed for review. Frank Muench moved to accept and Scott Reed seconded. Minutes were accepted.

4. Project Status & Timeline

- PAR has been extended to December of 2013.
- Draft 9 was forwarded to everyone on Saturday.
- Three action items to review today in preparation of draft ten.
 - NSDD
 - Bottom of tank not defined
 - Rewording of revised text. (TBD).

5. Meeting Highlights

- 6.7.8.1 – Acceptance/failure criteria for Dielectric tests DC withstand
 - Proposed to add “Non-sustained disruptive discharges (NSDD) may occur and are allowed” to be consistent with IEEE Std C37.60
 - The equivalent wording in C37.60 was displayed to review.
 - Jim Swank moved to accept wording. Frank DeCesaro seconded. Motion carried by voice vote.
- 9.6 - Sampling and adding provisions
 - Bottom sampling not defined.
 - This is to define for where samples are taken.
 - We also need to consider the placement of the device. If it is on a sloped pad then you may have water at one end and not where sampled.
 - It was recommended to put in an informative note to explain.
 - Bill Walters will look into recommended wording for the group. He will confer with Dave Stone. He will send his recommendation to the chairman by end of this week to put into the next revision.

- Table of Figure #2, second column, device position has the note reference crossed out. It should reference note c.
 - Note 1 in that figure should be outside it. It is informative.
 - The existing footnote (a) in the table should be removed, as it will be replaced by the new footnote c.
 - Leave the footnotes a, b, and c to the left of the diagram in the figure.
 - In C37.20.4 they have the graphics above the table and the footnotes below the table.
- 6.7.5.7 –Unloaded transformer switching current test.
 - A PowerPoint presentation from Steve Meiners covering the points of issue was presented to the working group.
 - Strike the sentence that says “Sufficient time shall be allowed after making the circuit to permit transients to subside and the current shall be measured To what is now below:
 - “Measure and interrupt steady state current after the transients have subsided. Currents shall be measured with an rms responding instrument.
 - Group had a voice vote to approve this.
 - Point was made by Ed Jankowich that this wording talks about transformers above 38 kV. This standard scope is up to 38 kV. We should drop the over 38 kV wording.
 - For larger transformers rated greater than 2500 kVA the tests shall use the test circuit of Figure 4 and consist of switching an actual transformer or a load composed of ...
 - Any reference to over 38 kV and transmission class should be struck from within the whole document.
 - Parallel reactance and resistance circuits present a more onerous interrupting duty than the unloaded transformer magnetizing circuits. The ability to interrupt parallel reactance and resistance circuits can be used to ensure the ability to de-energize unloaded transformers. The inability to interrupt parallel reactance and resistance circuit requires retesting with an actual transformer.
 - The working group accepted this new wording.
 - Steve Meiners recommended that we just make changes to this as draft 9. The working group decided this needs to be as draft 10.
 - Moved Swank, Seconded by Baskin. Passed.
 - Working group agreed to have Steve and Chris do wordsmithing to bring these agreements into congruence.
 - It is anticipated that we will go to recirculation by July 1st.
 - Comments from the recirculation need to be in by 30 days prior to next meeting to allow the chair to get the results to the working group prior to next meeting.

6. Assignments and Target dates:

- See above

7. New Business:

No new items were presented or discussed.

8. Next meeting:

Spring 2013, April 28 - May 2, 2013, San Luis Resort, Galveston, TX

9. Meeting Adjourned @ 9.46AM

Meeting Attendance

X = present at meeting, E = excused

Role	First Name	Last Name	Company	4/29/13
Chair	Steven	Meiners	GE	X
Member	Chris	Ambrose	Federal Pacific (Div. of Electro-Mechanical Corp.)	X
Member	Charles	Ball	S&C Electric Company	X
Member	Jerry	Baskin	Federal Pacific	X
Member	Larry	Davis	Reuel Inc	X
Member	Frank	DeCesaro	Cooper Power Systems	X
Member	Jeffrey	Gieger	Thomas & Betts	X
Member	Edward	Jankowich	Jankowich Consulting LLC	X
Member	Donald	Martin	G&W Electric Co.	X
Member	Frank	Muench	Cooper Power Systems	X
Member	Scott	Reed	S&C Electric Company	X
Member	Timothy	Royster	Dominion Virginia Power	X
Member	Francois	Soulard	Hydro-Quebec	X
Member	David	Stone	DTS Technical Services	X
Member	James	Swank	Cooper Power Systems	X
Member	Tim	Taylor	Thomas & Betts	E
Member	Nenad	Uzelac	G&W Electric	X
Member	William	Walter	We-Energies	X
Member	Walt	Von Miller	Delta Technology Consulting, Inc.	
Corr. Member	Craig	Befus	Xcel Energy	X
Corr. Member	Raymond	Capra	Consultant	X
Corr. Member	Jan	Zawadzki	None	X
Guest	Christopher	Borck	Cooper Power Systems	X
Guest	Jonathan	Deverick	Dominion Power	X
Guest	Edgar	Dullni	ABB	X
Guest	Paul	Found	BC Hydro	X
Guest	Peter	Glaesman	Reuel, Inc.	X
Guest	Reid	Herzog	OG&E	X
Guest	Brendan	Kirkpatrick	Southern California Edison	X
Guest	Frank	Muench	Cooper Power Systems	X
Guest	Larry	Putman	Powell Electrical Systems Inc.	X
Guest	Robert	Smith	Eaton Corporation	X
Guest	Tom	Stefanski	Powertech Labs Inc	X
Guest	Andrew	Swisher	Southern California Edison	X

Note – Excused absences are counted as present in AMS. Corresponding members are counted as present.

Submitted by:

Chris Ambrose, RODE chairman

PC37.74 Working Group for the Revision of Load Interrupter Switchgear Standard, IEEE C37.74

15 may, 2013