RODE

September 23, 2015 – San Diego, CA, USA

Chair: Nenad Uzelac **Vice Chair**: Francois Soulard

Meeting Minutes

1. Call to order and introduction:

Called to order at 5:47 PM.

2. Roster Check:

Attendance included 18 Working Group members and 7 guests. . Refer to Annex A for the attendance list.

Agenda was shown and discussed.

3. Previous Meeting Minutes:

. Reviewed and accepted.

4. Meeting Highlights:

C37.74 – WG Report, Underground Switchgear — Steve Meiners

- Steve Meiners. Nothing to report. Vote was taken to disband.

C37.68 – Task force for Distribution Equipment Controls — Nenad Uzelac

- There were 16 members and 11 guests.
- Hoped to be done by end of year but not possible
- TF came up with a plan to have it ready by Spring meeting.

C37.62 - WG Report, Fault Interrupters — Antone Bonner

- Had 18 working group members and 31 guests.
- Two sessions and reviewed internal working group ballot
  - 169 comments , 114 general nature, 55 techncial
  - 21 issues discussions on and resolved or assigned for further study.
  - Ballot pool invitation request made following the meeting so we should have 30 days to get a pool created.
    - This should allow us time to complete the comments and go out for spring balloting.

IEC MT47/ IEEE C37.60 - WG Report, Reclosers — Dave Stone

- Attendance not reviewed yet.
- Had 2nd IEEE ballot over summer and 2nd CD circulation of comments over summer. Both reviewed during the meeting. Reviewed most and Dave Stone is working on getting to IEC by end of this week. It is the groups hope that the IEC will approve to go to CDV ballot end of year or January.

C37.66 - WG Report, Capacitor Switches — Harry Hirz

- 10 members 2 guests

- Standard is contingent on C37.100.2. That standard had 259 comments but a good percentage was negative that need to get resolved. This group went through some of these that relate to it. C37.100.2 will go to ballot again in a few months.
- At risk of PAR expiring end of 2016.
- On track to ballot in spring whether we have a draft to ballot or final version. We will review in spring to see if we get a PAR extension because of C37.100.2 status.
    - They may reference parts of the draft C37.100.2 but the structure of that needs to be stabilized to allow a reference to it.
    - If there are issues Harry Hirz will "raise the warning flag'

Liaison Report - ER&P Committee — Nenad Uzelac

- IEEE is requiring new editors for IEEE Transactions for a two year term. We have a high voltage editor and a low voltage editor. Nenad will find out more details and get back to the group.
- Talked about nominating Honorable members to the Switchgear Meeting.

C37.100.1 - Common Requirements - Feedback on Proposed Voltage — Dave Stone / WG Chairs

- Had two meetings. Will also meet tomorrow for a third session.
- About 845 comments to work through.
- Trying to move this in parallel to the revision of the IEC standard. Comments received is that we may have pushed the envelope too far to harmonize and need to back up a bit.
- Expect a second ballot on this around the first of the year.

Discussion Group - Solid dielectric switches with visible isolation switches or links — Nenad Uzelac for François Soulard

- Attempted to create a small study group to come up with a proposal for a working group into RODE
- There were people outside of RODE that were in attendance and stated this may not only be a RODE issue.
    - Chairman would like to report to ADSCOM that a small task force or study group across sub committees to come up with some scope and purpose.
    - **Motion:** Frank DeCesaro moves that the RODE chairperson request at the ADSCOM meeting for a discussion group or ADSCOM Taskforce be formed that includes members of different sub-committees for discussing the issue of visible breaks as it applies to IEEE Switchgear products. This group would be limited to only determine the need and if necessary create a definition, not creating a standard.
      Seconded by: Steve Meiners.

        - Question is why is this not staying under RODE?
          Answer: One person's summary of the meeting was that there were two items. When you put a visible break with another piece of equipment there may be interactions from putting the two units together that may require additional testing.
        - This group was started because of the need or not of integrating a visible break/open into a solid dielectric gear.
        - This will help where a cross subcommittee definition of what a visible break is. It will also have a definition to start at.
            - What if a metal clad maker says his rack out device is a visible break?

- We need to settle in RODE what we want to settle on first before we go out to other subcommittees. Then our representative in their group will relay the definition.
- Can the RODE committee come up with a definition in parallel to this joint committee is? This could be done.
- Can we go to ADSCOM and say we as RODE have a need to define this?
- Concern that we need to discuss this here and not anywhere else.
    - Discussion group was created by RODE and met.
- Motion was rescinded after the discussion.

- **Motion:** Nenad moved that the chair of RODE will inform the ADSCOM committee about the need for a visible break definition and purpose. RODE will proceed with this unless ADSCOM wishes to include other subcommittee as part of the discussion.
- **Seconded by:** Chris Lettow
    - Discussion held
- **Vote:**
    - 13 yes, 0 no's, 2 abstentions; **Motion adopted.**

PC57.12.32 - Standard for Submersible Equipment - Enclosure Integrity - Joint Sponsor Agreement (JSA)

- We approved a joint sponsored agreement.
- Should we bring the enclosure standard into RODE therefore have control over it.
    - C37.62 is planning on reference the new version of the standard but with exception for the clauses of interest.
    - C37.74 referenced the older version
    - If the 2005 version was acceptable, why not just keep doing it?
    - There are opportunities for other enclosures that are not covered so this would be able to pull them through them.
    - Should we create a group to look into this and bring it back to RODE as a new standard using 2005?
        - It was commented that C57 does not cover controls and other enclosures. It deals with pad mount equipment only.
        - RODE agrees.
          This will cover the following standards C57.12.28 and also .29 and .30, and .31.

          Steve Meiners will organize this team. Paul Found will participate in this. Chris Ambrose will help. Dave Beseda. Anil volunteered also. The study group will report findings to RODE by next meeting.

- New Standard to capture RODE Definitions
    - Need it by 2018.
    - A PAR will be requested to accomplish this. The working group chairs will be the members of this taskforce or working group. Chris Ambrose will cover C37.74.

- C37.20.7 arc resistance
    - Testing guide starts with metal clad switchgear.
    - Specifics went into annex's and they are up to L

- C37.20.9 is a new standard that they are writing for switchgear. Question was why have .9 and just have gas insulated switchgear. It was agreed Steve Meiners took out the annex and we will mark it up and they will put it in and off to ballot. Then internal arc test will be covered. Steve's team will need help from this group, up to three people, to participate and get it done fast.
- Benefit is that we can later claim IEEE standard versus IEC standard. They used to be similar but have become different in some areas. There are some people that do not want anything but switchgear assemblies in this, not IEC.
    - IEC is starting up a working group for a new standard for arc resistance testing of pole mounted devices.
        - Issue with IEC is access to documents, not a consensus document, an IEEE version is a plus because of this.
    - Nenad Uzelac, Dave Beseda and Antone Bonner will participate.

- SDFT Report revisions and Recommendations
    - What is becoming of the Solid Dielectric report?
    - F. Soulard has resubmitted it to RODE and did not get many comments the last few weeks. He will be sending emails asking for input to compile comments.

- Jim Swank retired this week from Eaton's Cooper Power System Division. The RODE committee wishes him well and thanks him for his contributions.

5. New Business;

With the arc testing C37.20.7 used to be air gear only. Now they are putting 40.9 annex.

It was noted that Ed Jankowich is retiring from the Switchgear Committee. The chair recognized his contributions to this sub-committee and himself individually.

6. Next meeting:

Spring 2016 (April 25 – 29), Sonesta Resort, Hilton Head, SC USA
Fall 2016 (October 9 – 14) Sheraton Station Square, Pittsburgh, PA, USA

7. Meeting was adjourned at 5:33

Annex: Member Attendance

Count	Role	First Name	Last Name	Company	Country	2015-09-23
1	Chair	Nenad	Uzelac	G&W Electric	USA	X
2	Vice-Chair	Francois	Soulard	Hydro-Quebec	Canada	Excused
3	Member	Chris	Ambrose	Federal Pacific	USA	X
4	Member	Jerry	Baskin	Federal Pacific	USA	X
5	Member	Robert	Behl	ABB	USA	X
6	Member	Antone	Bonner	Eaton	USA	X
7	Member	Frank	DeCesaro	Eaton's Cooper Power Systems	USA	X
8	Member	Edgar	Dullni	ABB	Germany	X
9	Member	Paul	Found	BC Hydro	Canada	X
10	Member	Harold	Hirz	Thomas and Betts	USA	X
11	Member	Edward	Jankowich	Representing ABB/T&B	USA	X
12	Member	Chris	Lettow	S&C Electric Company	USA	X
13	Member	Donald	Martin	G&W Electric Co.	USA	X
14	Member	Timothy	Royster	Dominion Virginia Power	USA	X
15	Member	David	Stone	DTS Technical Services	USA	X
16	Member	James	Swank	Cooper Power Systems	USA	Excused
17	Member	William	Walter	We-Energies	USA	Excused
18	Member	Jeffrey	Gieger	Thomas & Betts	USA	X
19	Member	Steven	Meiners	GE	USA	X
20	Member	Larry	Putman	Powell Electrical Systems Inc.	USA	Excused
21	Guest	Karla	Trost	G&W Electric	USA	X
22	Guest	David	Beseda	S&C Electric Company	USA	X
23	Guest	Kyle	Stromberg	G&W Electric	USA	X
24	Guest	Jean-Marc	Biasse	Schneider Electric	USA	X
25	Guest	Travis	Johnson	Xcel	USA	X
26	Guest	Eric Qian	Li	Powertech Labs Inc.	Canada	X
27	Guest	William	Ernst	Thomas & Betts	USA	X
28	Guest	Jonathan	Deverick	Dominion Power	USA	X
29	Guest	Anil	Dhawan	ComEd	USA	X
30	Guest	Wangpei	Li	Eaton	USA	X

Members Attending	16	Total Members = 20
Guests Attending	10	
Total Attending	26	

Submitted by:
François Soulard
2015-09-30