

# RODE Meeting Minutes

April 29, 2015 – St. Pete Beach, Florida USA



**Chair:** Chris Ambrose

**Vice-Chair:** Nenad Uzelac

## Meeting Minutes

- 1. Call to Order** Chair – Chris Ambrose
  - The meeting was called to order at 3:45 PM by Chris Ambrose
- 2. Introduction of Members and Guests** Chris Ambrose
  - Self-Introductions, including affiliations, were presented.
- 3. Attendance and Quorum Check** Vice-Chair / Secretary – Nenad Uzelec
  - The roster was circulated.
  - New Member – Paul Found (BC Hydro) was welcomed to RODE.
  - Roster Check: 17 of 20 members present, with 2 excused and 16 guests.
- 4. Agenda Review and Approval** Chris Ambrose
  - Moved to accept – Dave Stone. Seconded by François Soulard.
  - The agenda was approved as amended.
- 5. Approval of Minutes of Fall 2014 Meeting** Chris Ambrose
  - The team pointed out several editorial changes.
  - Moved to accept as corrected – Dave Stone. Seconded by Tim Royster.
  - A revised version will be submitted for the website.
- 6. C37.74 Report** Chris Ambrose (for Steve Meiners)
  - C37.74 was published at the end of March.
  - The WG members were congratulated on the work.
  - Steve Meiners sent out a link to the WG members for a complimentary copy of the document.
- 7. Taskforce for Distribution Controls** Nenad Uzelac
  - Attendance included 28 attendees. There were 16 of 32 Working Group members and 12 guests.
  - Presented REV2 of the Technical Report to the working group.
  - Technical report is 80% - 90% done.
  - On the schedule to complete it before end of the year.
  - REV3 of the document will be sent to Control Task force team in July for their comments.

- 8. C37.62 Report** Antone Bonner
- 19 WG members and 15 guests.
  - Draft 1 of the standard was distributed to WG members.
  - Gave till July to comment on it.
  - On the fast track. Would like to have comments back and to start ballot this summer.
  - 2 technical issues are being discussed.
    - a. Changes in the standard related to the Standard Operating Fault Duty (less severe than recloser fault duty).
    - b. TRV issue. TRVs in the draft standard are very fast. The question was if they need to be that fast.
  - WG authorized Antone to work IEEE to start forming the ballot pool. Chris Ambrose to check with the main committee.
- 9. IEEE C37.60/IEC 62271-111 (dual-logo standard)** Dave Stone
- 30 people present, 19 members, 11 guests, 4 excused.
  - Reviewed draft.
  - Discussion was held on the test procedure on effectively grounded test procedure.
  - Proposed to add a test for  $kpp=1.3$  “(Propose) to add requirement for  $kpp = 1.3$  testing as an optional test”. The motion carried.
  - Review of draft 4.1 in preparation for a second IEC CD and second IEEE ballot.
  - IEC SC17A asked MT to prepare a new draft by May 15 for a second Committee Draft (CD), the results of which are to be discussed at the next plenary meeting in December 2015.
  - Task force on schedule to meet 2018 date, but may need to get a PAR extension.
- 10. IEEE C37.66** Harry Hirz
- 9 members and 16 guests were present.
  - The PAR has been extended to December 2016.
  - WG C37.100.2 has cleared the balloting issues, freeing the way for both WGs.
  - The goal is to go for ballot Spring 2016.
- 11. Liaison Report - ERP Committee** Chris Ambrose
- The ERP reviewed people, papers, and working groups for potential awards at the Committee, PES, and SA levels.
- 12. Old Business** Chris Ambrose
- a. Common requirements** Dave Stone
- C37.100.1 common requirements. – Voltage Table.
    - Edgar Dullni brought up the point of 110kV BIL line for 15.5kV voltage.
    - It was also noted that there were no isolation values (previously shown to be on the order of 110% Ph-Gnd).

- Dave Stone stated that the values reflect the “traditional” values used for underground and overhead applications (cable connected vs. overhead lines).
- It was also pointed out that some of the higher ratings are useful for elevations in excess of 1000m, due to the effects of derating factors.
- The effort is to develop C37.100.1 as a horizontal standard.

**b. Solid Dielectric Task Force (SDTF)**

François Soulard

- The SDTF Discussion Group has revised the draft since the Fall meeting with all previous issues corrected and comments having been addressed.
- Solid Dielectric Taskforce distributed the document to RODE for comments.
- Expected feedback from RODE subcommittee by the end of May.
  - Francois will add continuous line numbering.
- Discussion group will compile the comments.
- Email vote will be held in July.
  - Need to discuss with Erin for review of material usage.
  - Will need to request IEEE-SA editorial review.

**c. Solid Dielectric Switches with Visible Isolation**

Nenad Uzelac / Discussion Group

- Solid dielectric switches with visible isolation switches or links follow-up – proposed tests and recommendations.
- Considerations for Solid Dielectric Switchgear that incorporates a visible open as an integral part of the switchgear was raised by Jeff Gieger.
- Visible break is not covered in the standards (although there has been a “110% rule” for open gaps in overhead disconnect switches).
- A Discussion Group of 6 volunteers was formed at the last meeting.
- A preliminary draft was compiled and sent out to the volunteers about a week ago.
- There is a need to survey users.
- It was suggested that IEC 62271-201 may have relevant information.
- Francois Soulard will lead the discussion group going forward.
- Anil Dhawan, Jonathan Deverick, Tim Royster, and Jim Swank asked to join the Discussion Group.

**13. New Business**

Chris Ambrose

**a. PC57.12.31 - Standard for Submersible Equipment Enclosure Integrity  
Joint Sponsor Agreement (JSA)**

Chris Ambrose /  
Dave Stone

- The JSA agreement was approved.
  - If possible, we should have one or two members of RODE to attend the PC57.12.32 WG meetings and become members.
  - If this is not feasible, we should have at least two members of RODE become corresponding members, or at least liaisons, as Erin suggested.
  - We, as individuals and as an organization need to be involved in providing comments to PC57.12.32 as much as possible.
- ➔ Most importantly, we need to **join the ballot pool and vote.**

- We have provided input to the WG as requested, providing recommended revision to the referenced standards and a list of concerns with the draft.
- The PC57.12.31 WG minutes from their spring meeting do not indicate that our concerns were addressed.
- Dave Stone made an important and unique comment on the PC57.12.31 draft , which is discussed in further detail in the next New Business section:
  - This should not to be construed as a mandatory horizontal standard. Make the list of affected equipment an informative note (not part of the formal Scope) so that it is left to the WG’s of the relevant equipment standards to decide on its applicability.

**b. C57.12.XX Series Enclosure Integrity Standards**

Dave Stone / Jim Swank

- A discussion of whether the C57.12 series of enclosure integrity standards should apply to our equipment.
- Based on Dave Stone’s comment:
  - “These standards specifically state in their respective scopes that they apply to switchgear, reclosers, etc. In the recloser WG we have seen several comments that these standards should be made normative. On the other hand, we have also seen that the standards are becoming severe in their conformance requirements to the point that they are onerous. I feel that a discussion on this matter is in order.”
- No conclusions were reached, but the issue has been raised.

**c. PAR for New Standard to Capture RODE Definitions**

Chris Ambrose

- Definitions of Terms (IEEE C37.100) – Expires in 2018.
- Discussed possibility of creating a new standard to capture the “orphan standards”.
- The WGs have been asked to determine which definitions will be included in standards expected to be published before the end of 2018.
  - C37.60 will not have any “orphaned definitions”.
  - C37.62 not yet reviewed.
  - C37.63 is not scheduled for review prior to 2018.
  - C37.74 has just been published and appears to have “orphaned definitions”.
- RODE will likely need a PAR to create a RODE version of C37.100 as an interim measure until all of these “orphan” definitions can be captured in the appropriate standard(s).
- This is particularly the case with C37.74, but also possibly the case with C37.60 and C37.63.
- The switchgear assemblies Subcommittee has already begun the process to create such a standard for their definitions (PC37.20.10), which could serve as a model for RODE.

**d. RODE Officer Rotation**

- Transition will officially occur approximately 3-4 weeks after this meeting, after the minutes are finalized and distributed.

**14. Future Meetings**

Chris Ambrose

- Fall 2015 (September 20 - 24), Catamaran Resort Hotel, San Diego, CA USA
- Spring 2016 (April 25 – 29) Sonesta Resort, Hilton Head, SC USA
- Fall 2016 (October 9 – 14) Sheraton Station Square, Pittsburgh, PA, USA

**15. Meeting adjourned at 5:27 PM**

Chris Ambrose

Respectfully submitted by

Chris Ambrose  
Chair, RODE Subcommittee  
May 11, 2015

Attachments (Note to WG Chairs; WG Attendance)

### **Note to WG Chairs**

(Ref.PES WG PP D7 Final Aprpd 2013-07-23 for Switchgear, from Mike Crawford)

- A meeting notice shall be distributed, by a Working Group Officer or designee, to all participants 30 calendar days in advance to all participants.
- A meeting agenda shall be distributed to all participants at least 14 calendar days in advance of a meeting.
- There shall be a Chair, and there should be a Vice-Chair and/or a Secretary.
- All officers shall be IEEE members and individual IEEE-SA.
- Each Working Group shall have a Chair, appointed by the responsible Subcommittee.
- At the first organizational meeting, the Working Group chair shall appoint its operating officers (Vice-Chair, Secretary and Treasurer if applicable).

-----

### **WG Attendance**

In order to ensure that we have quorums at the meetings, we need to make certain that the members of our Task Forces and, even more importantly, Working Groups are active.

From the proposed “Policies and Procedures for: Working Groups”, which is scheduled to be balloted at the main committee meeting:

Membership status is maintained through consistent participation at meetings and through Working Group votes. If a Working Group member misses two consecutive meetings, or two consecutive Working Group letter ballots, his or her membership status **may** be revoked. The Chair shall notify, in writing, a member who fails to attend two consecutive meetings and who has therefore lost his or her membership.

The Chair shall review the voting membership list at least annually. Voting members are expected to fulfill the obligations of active participation as defined in Clause 4.1.1. When a voting member is found in habitual default of these obligations, the Chair shall consider the matter for appropriate action, which **may** include termination of membership.

Count	Role	First Name	Last Name	Company	Country	4/29/2015
1	Chair	Chris	Ambrose	Federal Pacific	USA	X
2	Vice-Chair	Nenad	Uzelac	G&W Electric	USA	X
3	Member	Jerry	Baskin	Federal Pacific	USA	X
4	Member	Robert	Behl	ABB	USA	X
5	Member	Antone	Bonner	Eaton	USA	X
6	Member	Frank	DeCesaro	Eaton's Cooper Power Systems	USA	X
7	Member	Edgar	Dullni	ABB	Germany	X
8	Member	Paul	Found	BC Hydro	Canada	X
9	Member	Harold	Hirz	Thomas and Betts	USA	X
10	Member	Edward	Jankowich	Representing ABB/T&B	USA	X
11	Member	Chris	Lettow	S&C Electric Company	USA	X
12	Member	Donald	Martin	G&W Electric Co.	USA	X
13	Member	Timothy	Royster	Dominion Virginia Power	USA	X
14	Member	Francois	Soulard	Hydro-Quebec	Canada	X
15	Member	David	Stone	DTS Technical Services	USA	X
16	Member	James	Swank	Cooper Power Systems	USA	X
17	Member	William	Walter	We-Energies	USA	X
18	Member	Jeffrey	Gieger	Thomas & Betts	USA	Excused
19	Member	Steven	Meiners	GE	USA	Excused
20	Member	Larry	Putman	Powell Electrical Systems Inc.	USA	Excused
1	Guest	Andres	Aviles	CE Power Solutions	USA	X
2	Guest	Charles	Corley	Eaton's Cooper Power	USA	X
3	Guest	David	Dart	NOJAPower	Australia	X
4	Guest	Jonathan	Deverick	Dominion Power	USA	X
5	Guest	Anil	Dhawan	ComEd	USA	X
6	Guest	Mark	Feltis	Schweitzer Engineering Laboratories, Inc	USA	X
7	Guest	Peter	Glaesman	Reuel, Inc.	USA	X
8	Guest	Roger	Golze	Trayer Switchgear	USA	X
9	Guest	Brendan	Kirkpatrick	Southern California Edison	USA	X
10	Guest	Wangpei	Li	Eaton	USA	X
11	Guest	Nicolas	Nakamura	G&W Electric	USA	X
12	Guest	Amit	Patel	GE	USA	X
13	Guest	Ian	Rokser	Eaton Corp	USA	X
14	Guest	Ben	Rosenkrans	Eaton Corporation	USA	X
15	Guest	Joseph	Smith	FortisAlberta	Canada	X
16	Guest	Karla	Trost	G&W Electric	USA	X
	Members Attending		17	Total Members = 20		
	Guests Attending		16			
	Total Attending		33			