

# RODE Meeting Minutes

May 1, 2019 – Burlington, VT, USA



Chair: François Soulard

Vice-Chair: -

Secretary: Travis Johnson

## Meeting Agenda

1. Call to Order ..... François Soulard
2. Introduction of Members and Guests (roster circulation)..... François Soulard
3. Call for patents ..... François Soulard
  - a. No request has been reported from working Groups.
4. Attendance and Quorum Check ..... François Soulard
  - a. RODE count a total of 20 actives members (Quorum is met at 50%+1 members)
    - Total attendees; 39
    - Members attending; 15/20 Quorum is met at 50%+1; 10 members
    - Guests present; 24
5. Membership announcement
  - a. Officer
    - i. Travis Johnson is our new secretary
  - b. New member
    - i. We welcome Brendan Kirkpatrick as new member
  - c. Announce Retirement
    1. Tim Royster
    2. Edgar Dullni
6. Approval of the Agenda ..... François Soulard
  - a. Motion to approve the agenda
    - i. i. Moved by - Chris Ambrose
    - ii. ii. 2nd by - Antone Bonner
    - iii. iii. Discussion - no discussion has occurred
    - iv. v. Agenda approved adopted by the majority
7. Approval of Minutes of Spring 2018 Meeting ..... François Soulard
  - a. <http://www.ewh.ieee.org/soc/pes/switchgear/minutes/2018-2/F18RODEfnREV2.pdf>
  - b. <http://www.ewh.ieee.org/soc/pes/switchgear/minutes/2018-2/F18RODEmiREV1.pdf>
  - c. Motion to approve the Spring 2018 meeting's minutes
    - i. Moved by - Karla Trust
    - ii. 2nd by - Anil Dawan
    - iii. Discussion - no discussion occurred
    - iv. v. Agenda approved by majority
8. RODE between meetings ..... François Soulard
  - a. We still need volunteers to serve in RODE as Vice-Chair
  - b. All WG have to ensure they have appointed a Secretary not later than the close of our Burlington 2019 spring meeting.
9. Reminder;
  - a. Sessions Reservation; number of sessions and room size is required
  - b. Working group agenda shall be available 4 weeks before meeting

- c. Follow the rules for the Meeting’s Minutes on the Web, File Formats, and File Name Conventions

**10. Working Group Report;**

- a. IEEE C37.60/IEC 62271-111 Reclosers has been published last February..... Dave Stone
  - i. The standard has been published last February
  - ii. Final approval at IEC was 100% approval for joint Dual Logo standard
- b. IEEE C37.62 Fault Interrupter ..... Antone Bonner (Frank DeCesero)
  - i. Status
    - 1. Comments – included tolerances (approved),
    - 2. Wet testing at 60 Hz (approved)
  - ii. Looking into IEEE 130.4 how it is affects, T100 fuses how generators affected: not less than 100%
  - iii. Refer to meeting’s minutes for rest
  - iv. Trying to get out in next month, ballot and comments next meeting Fall 2019
- c. IEEE C37.63 Sectionalizer..... NEW WG
  - i. *We still need volunteers to serve as Chair and on the Working Group*
  - ii. *Maybe a task force to study required changes needed.*
  - iii. *Propose further discussion fall 2019.*
- d. IEEE C37.66 Capacitor Switches ..... Harry Hirz
  - i. Status
    - 1. 9 members/17 guests,
    - 2. C37.66 draft 7 was discussed
  - ii. Balloting will be by summer time 2019
  - iii. Next meeting will address comments
- e. IEEE C37.68 Distribution Controls ..... Paul Found
  - i. Status
    - 1. 9 member/3 guests request membership
    - 2. Review initial draft wording
  - ii. Next spring – design requirements/production testing, 12 peoples
- f. IEEE C37.75 Enclosure Integrity ..... Anil Dhawan
  - i. Status: 15 member/16 guest, 6 guest requested membership
  - ii. Discussion on PC57.12.32 D2.8 Ballot’s results (power point presentation):

IEEE Switchgear is a joint Sponsor with IEEE Transformer for the pending C57.12.32 standard, which covers submersible distribution transformers, network transformers, network protectors, switchgear, capacitors or inductors, junction enclosures, metering equipment, and control boxes. (As a note, Switchgear is also a joint sponsor for C57.12.28-2014 and C57.12.29-2014.

During the recent ballot process, a small number of Switchgear members made comments to the revision. Of those, 3 were RODE members who all voted to disapprove the standard and provided comments/ suggestions. Only 1 comment of 17 was accepted and 1 was revised. In general, the Transformer committee indicated that the requested changes were outside of the scope of Transformer use even though the standard applies to more than transformers.

The issues raised by RODE members include considerations about enclosure/cable interfaces/seals. C57.12.32 leaves much more work for users to determine acceptable performance levels of the enclosure. In addition the 2019 proposed version includes changes to the required materials, the design test cycles, and design test requirements which do not align with submersible switchgear and RODE preferences.

C57.12.32-2019 does not adequately consider the needs of the Switchgear feedback. The changes to C57.12.32 would require C37.75 to reference the 2002 version instead of the 2019 version. The question has been raised, by being a joint sponsor of a standard that applies to switchgear equipment; will this standard have a negative impact on the approval of C37.75?

Given the work being done on C37.75 and the ballot resolution responses to C57.12.32, the following motion is being made:

That RODE request IEEE-SA to remove the Switchgear Committee as a sponsor of the in-process version of C57.12.32.

Proposed motion:

*“The Enclosure Integrity working group recommends request to ADSCOM/Switchgear Main Committee to have our committee removed Sponsorship of Switchgear Committee from C57.12.32.”*

Motion to approve:

iii. i. Moved by - Karla Trost

iv. ii. 2nd by - Nenad Uzelac

v. iii. Discussion -

- i. 4 RODE rejections, 3 users, 1 manufacturer. Scope is large, includes controls.
- ii. C57.28, C57.29 have been issued and cannot change until next revision
- iii. Tried to set up a call, but unable to have a discussion with C57.
- iv. Proposed to accept C57 if treated as a coating option. C57 rejected because would require scope change and didn't want to do that.
- v. REVCOM – Can remove C37 Committee from C57.12.32, C57.12.32 meets next week and can remove from scope.
- vi. Lots of users reference C57.12.28, C57.12.29.
- vii. Downside of approval of this motion C57 and C37 committees relationship will worsen.
- viii. Upside will remove ambiguity, C37 reference C37 standard, focus on switchgear and control. Remove C57.12 references.
- ix. Reference 2005 version in C37 documents. Could reference old (e.g., 2014 version) and take exception to part don't like. Concern that users will not be able to acquire older versions.

- x. RODE comments for C57.12 on Ballot 2.8, were rejected. However went through comments and they were disapproved and hence “resolved” by C57.12.
- xi. C57.12.32 removal of C37 is more a “moral” stand. The bigger issue is the C57.12.28, C57.12.29.
- xii. The rejection should have been rejected because it was rejected for being out of scope but the scope clearly calls out switchgear, capacitors, etc.

Anil Dhawan makes motion to change text of the proposed motion, Donald Martin  
Second:

Proposed motion change:

*“The RODE request IEEE-SA to remove the Switchgear Committee as a joint sponsor of PC57.12.32.”*

- i. Change motion Vote;
 

2. Yes	15	
3. No		0
4. Abstentions	0	
- ii. Vote on changed motion;
 

5. Yes	15
6. No	0
7. Abstentions	0
- iii. Result; **Motion approved by all members present.**

Next steps:

- Rode chair will address the motion results to PC57.12.32 chair to remove sponsorship from the project standard.
- The PAR of the project standard has to be revised. A request to REVCOM has to be made to remove the sponsorship.

11. Task Forces and Discussion group;

- a. Discussion group on Visible Break ..... François Soulard
  - i. Status
 

ADSCOM – Dissolved working group since definition was agreed by all subcommittees
  - ii. Proposal to form an Ah-doc or a taskforce to work specifically on RODE standards to define how it should be address in each RODE product standard.
- b. Discussion group on recloser interface..... Mark Feltis
  - i. Status; No meeting this spring - excused for exceptional situation
  - ii. Continue in Fall 2019
- c. Solid Dielectric Task Force Solid Dielectric Report ..... François Soulard
  - i. Status
    - 1. Decided in ADSCOM – the report is not in a form to be published
    - 2. Copy writing and information needs to be verified
  - ii. Rephrase/Reform for a new paper or report for fall 2019, propose a group to reformat to attempt publishing in new form.

- 12. Future Meetings ..... François Soulard**  
a. **Fall 2019 (September 6th – October 10), Catamaran Resort, San Diego, CA**

- 13. Technology and Innovation subcommittee Nenad Uzelac**  
a. **Overarching for all of Switchgear – If interested email Nenad Uzelac**  
b. **ANSI C84.1 concern about voltage class, 5% to 10% over voltage nominal rating. Planning to bring to switchgear committee.**

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**Special notes to WG & TF Chairmen:**

- 1) Please supply bullet items to the Chair for anything from your WG/TF that RODE needs to report out to ADSCOM or the Main Committee on Thursday.
- 2) Please furnish an electronic copy of your WG/TF report to the Chair and Vice-Chair for inclusion in the meeting minutes within one week after the meeting.

## Attendance

Role	First Name	Last Name	Company / Affiliate	Country	2019-05-01
<b>Chair</b>	<b>Francois</b>	<b>Soulard</b>	<b>Hydro-Quebec</b>	<b>Canada</b>	<b>X</b>
<b>Vice-Chair</b>	<b>vacant</b>	-	-	-	-
<b>Secretary</b>	<b>Travis</b>	<b>Johnson</b>	<b>Xcel Energy</b>	<b>USA</b>	<b>X</b>
Member	Chris	Ambrose	Federal Pacific	USA	X
Member	David	Beseda	S&C Electric Co.	USA	X
Member	Antone	Bonner	-	USA	X
Member	Kenedy	Darko	G&W Electric Co	USA	Excused
Member	Frank	DeCesaro	Eaton's Cooper Power Systems	USA	X
Member	Anil	Dhawan	ComEd	USA	X
Member	Edgar	Dullni	ABB	Germany	X
Member	Mark	Feltis	Schweitzer Engineering Lab.	USA	Excused
Member	Paul	Found	BC Hydro	Canada	X
Member	Jeffrey	Gieger	ABB/Elastimold	USA	X
Member	Harold	Hirz	ABB	USA	X
Member	Brendan	Kirkpatrick	Southern California Edison	USA	X
Member	Donald	Martin	G&W Electric Co.	USA	X
Member	Steven	Meiners	GE	USA	Excused
Member	Larry	Putman	Powell Electrical Systems Inc.	USA	X
Member	Ian	Rokser	Eaton Corp	USA	Excused
<b>Member</b>	<b>Timothy</b>	<b>Royster</b>	<b>Dominion Virginia Power</b>	<b>USA</b>	<b>Retired</b>
Member	David	Stone	DTS Technical Services	USA	X
Member	Karla	Trost	G&W Electric	USA	X
Member	Nenad	Uzelac	G&W Electric	USA	X
Member	William	Walter	We-Energies	USA	Excused

Guest	Jodi	Haasz	IEEE	USA	X
Guest	Peter	Glaesman	PCORE Electric Company, Inc.	USA	X
Guest	Peter	Agliata	Hubbell Power Systems	USA	X
Guest	Brian	Gerzeny	Powell Electrical Systems Inc	USA	X
Guest	Wangpei	Li	Eaton	USA	X
Guest	Christopher	Borck	Eaton's Power Systems Division	USA	X
Guest	Sterlin	Cochran	Hubbell Power Systems	USA	X
Guest	John	Kaminski	Siemens	USA	X
Guest	Robert	Lau	nVent Hoffman	USA	X
Guest	Rahul	Jain	S&C Electric Company	USA	X
Guest	Francois	Trichon	Schneider Electric	France	X
Guest	Christopher	Morton	Powertech Labs Inc.	Canada	X
Guest	Edwin	Almeida	Southern California Edison	USA	X
Guest	Caryn	Riley	Georgia Tech/NEETRAC	USA	X
Guest	Jacob	Midkiff	Dominion Energy	USA	X
Guest	Al	Pruitt	The Durham Company	USA	X
Guest	Stephen	Pell	Siemens	USA	X
Guest	Robert	Hanna	ABB INC	USA	X
Guest	Christopher	Hastreiter	Eaton	USA	X
Guest	Ashley	Moran	IEEE Standards Association (IEEE-SA)	USA	X
Guest	Nadia	El khattabi	Hydro-Quebec	Canada	X
Guest	Ronny	Konrad	Huntsman Advanced Materials	USA	X

Total RODE Members      20  
 Members Attending      17  
 Quorum                      85%  
 (Attendance 50% of Working Gr Members)  
 Guests Attending        22  
 Total Attending          39