

RODE Meeting Minutes

October 13, 2024 – Catamaran Resort – San Diego, CA 10:15 AM



Chair: Frank DeCesaro

Vice-Chair/Secretary: Brendan Kirkpatrick

Meeting Agenda

1. **Call to Order**..... Frank DeCesaro
 - Meeting was called to order at 10:15 AM.
2. **Introduction of Members and Guests** Frank DeCesaro
 - Self-introductions with affiliations were made.
3. **Call for patents**..... Frank DeCesaro
 - a. [IEEE Slides on Patents](#)
 - b. **Ensure the verbal call is performed and documented for each Working Group meeting.**
 - Patent slides were presented and verbal call was performed, no issues were raised.
4. **IEEE copyright policy**..... Frank DeCesaro
 - a. [IEEE Copyright slides](#)
 - Copyright slides were presented, no issues were raised
5. **Attendance and Quorum Check** Brendan Kirkpatrick
 - a. **New membership / Old members** Frank DeCesaro
 - No new members were noted.
 - b. **Requirements of Membership/Attendance** Frank DeCesaro
 - Requirements of membership were reviewed:
 - Attendance at 2 of last 4 meetings is required, followed by petitioning chair to become a member.
 - Missing 2 of last 4 meetings results in change from voting member to non-voting member (guest). Important to maintain roster of active members for quorum purposes.
 - Chair noted that online meetings also count for membership activity.
 - Chair also highlighted the importance of returning electronic votes, lack of consistent response may affect membership.
 - c. **RODE counts a total of 21 active members. Quorum is met at 50%+1 members (12 members)**
13 members and 25 guests were present, quorum was met.
6. **Approval of the Agenda**..... Frank DeCesaro
 - Agenda revision 1 was presented, previously sent via email and posted to imeetcentral
 - **Karla Trost moved to approve agenda, Kennedy Darko seconded. No objections, agenda approved by consensus.**
7. **Approval of Minutes of Spring 2023 Meeting** Frank DeCesaro
 - a. [RODE Spring 2023 Draft Minutes R00](#)
 - Minutes were sent via email and posted on lmeetCentral. Chair briefly reviewed minutes and a call for comment was made. No objections or corrections were noted. Minutes are accepted as published.
8. **Working Group Report**
 - a. **IEEE C37.60/IEC 62271-111 Reclosers Dual Logo** Ian Rokser
 - Ian Rokser provided updates from the dual logo maintenance team.
 - Across 3 sessions there were 60 attendees, including 25 IEEE members and 5 IEC members.

- Now through January DLMT is deciding what work to address from approximately 50 requests for change.
- DLMT created several ad-hoc teams to address various topics
- DLMT planning to submit PAR revision based on results from *dependent manual operation* ad-hoc team. Previously DMO was removed from scope, needs to be added back to comply with IEC requirements.
- DLMT will convene in-person meeting in Milan in January, open to all IEEE/IEC members.
- IEC ballot required by 2027.
- RODE Chair reminded subcommittee that non-voting-members of WG may be involved in ad-hoc groups.

b. IEEE C37.63 Overhead, Pad-Mounted, and

Submersible, Automatic. Sectionalizers..... Frank DeCesaro

- WG had quorum.
- C37.63 went to SA ballot in March.
- Since April, WG has been addressing comment resolution through online meetings and continued in-person during Fall meeting.
- Several ad hoc groups continue to review areas for revision based on comments.
- Remaining comment resolution will be reviewed via email ballot to WG.
- Deadline for REVCOM is January, request must be made by Dec 19, 2023 – C37.63 will be beyond 10-year lifecycle and will become inactive if not completed by this year. Inactive standards do not have ANSI branding, but still available for purchase.

c. IEEE C37.68 Distribution Controls..... Paul Found

- Vice Chair of C37.68 WG (Karla Trost) reported completion of the WG efforts; final standard has been submitted to REVCOM and no further meetings will be held. [*Riotous applause followed*]
- RODE Chair recognized the hard work of the WG, approximately 20 years since initial discussions about creating a distribution controls standard.

d. IEEE C37.74 Subsurface, Vault, and Padmounted Switchgear..... Kennedy Darko

- WG had 2 sessions scheduled to review comments, added 3rd session to continue work in-person.
- 59 attendees at first session, 47 attendees at second, 27 attendees at third; quorum was maintained for all sessions.
- All comments from WG review were addressed.
- WG agreed to ask for RODE permission to move to ballot upon consensus approval of all comments. [See Agenda item 11.b.]
- Anticipate completing work by next year to avoid PAR extension.

e. IEEE C37.75 Enclosure Integrity Anil Dhawan

- Anil Dhawan provided update
- WG did not have a meeting because C37.75 was published in August.
- Anil recognized contributions of the members of the WG. [*Resounding applause was heard*]
- RODE Chair recognized the hard work of the WG and noted that both C37.68 and C37.75 initiated PARs around 2018, quick turnaround for new standard.

9. Task Forces and Discussion group

a. No open task forces or discussion groups

10. Liaison Report

a. T&I representative from RODE..... Kennedy Darko

- Kennedy Darko reviewed T&I meeting topics.
- 200% open gap report was discussed, but not reviewed due to copyright issues.
 - Recommendations in the document may impact various RODE standards.

- Mohit Chhabra and Nenad Uzelac noted document will be released “soon” (within a month or so).
- Document needs to go to WG chairs to determine impact on standards
- David Beseda (S&C) asked if the document will be available on RODE imeetcentral or another repository.
 - T&I is still discussing appropriate location, copyright issues will be reviewed to ensure appropriate access.
- Lifecycle document is in review, Nenad Uzelac will review first, followed by additional detailed review from others.
 - Nenad indicated the document will be made available to RODE chair for distribution to WG chairs before Spring meeting.
 - RODE Chair requested volunteers for review of lifecycle document:
 - Chair (Frank DeCesaro) and David Beseda volunteered
- Microgrid topic will result in impacts on various aspects of Switchgear
 - Nenad stated there is a Task Force working on Special Applications for Switchgear, one of which is influence of DER (Mohit’s white paper addresses 1547, 200% voltage, other topics need to be addressed moving forward)
 - RODE Chair asked when TF will be initiated for RODE to suggest member to support
 - Nenad indicated TF is currently active, role of RODE support is to understand state of art/industry, contribute to section for RODE impact in report.
 - Alex Cochran indicated this is not a call for review, but a call for contributors/authors
 - Mark Feltis asked what Subcommittee this will fall under. Caryn Riley indicated this report falls under T&I.
 - Nenad indicated that contributors do not have to be a RODE member, but someone with appropriate experience/knowledge: IEC members, subject matter experts, etc.
 - **Interested parties may contact RODE Chair (Frank DeCesaro) or T&I chair (Alex Cochran) to volunteer.**
- Kennedy Darko discussed T&I group working on bar-coding, which is initiated for C37.74 and C37.60, but will have impacts to C37.62, C37.63, etc.
 - Barcodes will include ratings, manufacturer details, manufacturing dates, etc.
 - Karla Trost indicated group is looking for experts to contribute to what information should be included and what equipment should be covered in barcoding standard. Also looking for manufacturers to perform trials. Looking for users and manufacturers to provide input.
 - Karla also indicated the presentation by Alicia Farag will be posted on Switchgear Committee website.

11. Items of Discussion for RODE Subcommittee

a. Discussion update on C37.301

Chair called for objections to including item, no objections were noted.

- Nenad provided update on 301 for partial discharge.
 - Chair resigned; group decided to update the scope.
 - 301 will become inactive, will not be granted permission to extend.
 - Group will work on a different request with new scope, forming a new PAR Working Group.
 - Nenad indicated opportunity for someone from RODE interested in partial discharge

- o to take part
- o New standard should cover the process for testing for PD in the field (vs. factory), to address concerns from users and labs about ensuring testing represents real-world conditions
- o Anil Dhawan asked what inactive means.
 - Nenad: lose ANSI accreditation, can still reference standard
 - RODE Chair: you can always reference old standards, after inactive, may eventually become obsolete (no longer for sale).
- o Provided history of 301: adapted entirety of IEC PD standard, included annex for switchgear PD information. Due to copyright issues, WG wanted to remove IEC incorporation.

b. Approval vote for C37.74 to go to Ballot

step of the ballot process Kennedy Darko

- Kennedy reviewed status of 74, indicated readiness to move to ballot phase once consensus is gained during online meeting.
- **Motion by Kennedy Darko, seconded by Ian Rockser: C37.74 Working Group requests permission to move C37.74 to ballot once consensus is received from the working group.**
- Chair opened the floor for discussion
 - o David Beseda asked how consensus from WG would be attained
 - o Kennedy replied it will be done during official virtual meeting with quorum and minutes.
- Chair asked for approval by consensus. No objections noted, motion was approved.

c. Future of RODE documents

- Chair requested consensus to add item. No objections noted.
- Chair discussed that no documented roadmap exists for RODE standards. Wants to put together ad-hoc group to discuss roadmap. E.g., C37.66 will be reintroduced next meeting.
- Call for volunteers: Karla Trost, Caryn Riley, Brian Gerzeny, Charles Worthington, Nenad Uzelac, Pedro Castillo, Brendan Kirkpatrick
- Chair will correspond with volunteers and consider a Teams meeting if needed
- General discussion:
 - o Nenad indicated that upcoming work for RODE may be reduced due to schedule of documents being published.
 - o When we talk about roadmaps, should we brainstorm other options due to fast evolution of switchgear (IoT, DERMS, microgrid that are not covered by current standards)
 - o Chair: we shouldn't have tunnel vision. While T&I Subcommittee exists, other subcommittees should also keep an eye on changing industry needs.

12. Next Meetings..... Frank DeCesaro

Spring 3/31/24 through 4/4/2024: Westin Beach, Fort Lauderdale, FL

- RODE Chair reminded Subcommittee that next meeting begins easter Sunday.
- RODE Chair contacted Switchgear Committee officers to request that RODE WG meetings begin on Tuesday to facilitate holiday observance and travel.
 - o Donnie Swing indicated request was granted.
 - o RODE WG meetings will occur on Tue/Wed.

Fall 10/13/24 through 10/17/2024 Omni Hotel, Oklahoma City, OK

13. Adjournment

- **Nenad moved to adjourn. (Harm Bannink almost seconded before realizing he is not a voting member of RODE.) Kennedy Darko seconded.**
- **Meeting adjourned at 11:12am**

Role	First Name	Last Name	Company	
Member	David	Beseda	S&C Electric Co.	X
Member	Christopher	Borck	Eaton's Power Systems Division	X
Member	Kennedy	Darko	G&W Electric Co	X
Member	Frank	DeCesaro	DeCesaro Consulting Services	X
Member	Anil	Dhawan	ComEd	X
Member	Jeffrey	Gieger	Thomas & Betts	X
Member	Christopher	Hastreiter	Eaton	X
Member	Harold	Hirz	G&W	X
Member	Brendan	Kirkpatrick	Southern California Edison	X
Member	Caryn	Riley	Georgia Tech/NEETRAC	X
Member	Ian	Rokser	Eaton Corp	X
Member	Karla	Trost	G&W Electric	X
Member	Nenad	Uzelac	G&W Electric	X
IEEE	Jennifer	Santulli	IEEE Standards Association (IEEE-SA)	X
Guest	Peter	Agliata	S&C Electric	X
Guest	Harm	Bannink	G&W Electric	X
Guest	Jacob	Blake	Hubbell	X
Guest	Pedro	Castillo	ABB	X
Guest	Mohit	Chhabra	S&C Electric	X
Guest	Sterlin	Cochran	Oak & Shield LLC	X
Guest	Alex	Cochran	G&W Electric	X
Guest	Kent	Coldsnow	Fort Collins Utilities	X
Guest	Katherine	Cummings	G&W Electric	X
Guest	Stacey	Davies	Siemens	X
Guest	Chris	Ekpoudom	Southern Sates	X
Guest	Brennen	Fleming	Hubbell	X
Guest	Brian	Gerzeny	Powell	X
Guest	Peter	Glaesman	PCORE Electric Company, Inc.	X
Guest	Jackie	Kandel	Powell	X
Guest	John	Kapitula	ABB	X
Guest	Eric (Qian)	Li	Powertech Labs Inc.	X
Guest	Colby	Lovins	Federal Pacific (Div. of Electro-Mechanical Corp.)	X
Guest	Cody	Marshall	Schweitzer Engineering Labs	X
Guest	Jon	Neujhar	Eaton	X
Guest	Roberto	Olivares	Siemens	X
Guest	Chris	Slattery	First Energy	X
Guest	Joe	Stemmorich	trager Engineering Corp	X
Guest	Charles	Worthington	Hubbell	X