

RODE Meeting Minutes

April 21, 2021 – On-Line Meeting



Chair: Travis Johnson

Vice-Chair: Frank DeCesaro

Secretary: TBD

Meeting Agenda

1. **Call to Order** Travis Johnson
 - Meeting was called to order at 3:45 PM
2. **Introduction of Members and Guests** Travis Johnson
 - Members used Chat to introduce themselves
3. **Call for patents** Travis Johnson
 - a. **Ensure the verbal call is performed and documented for each Working Group meeting.**
 - No one present has raised an objection.
4. **Virtual attendance and Quorum Check** Frank DeCesaro
 - a. **New membership**
 - No discussion
 - b. **RODE count a total of 24 active members (Quorum is met at 50%+1 members)**
 - We had (20) members and (24) guests present at the start of the meeting.
5. **Procedure for the virtual meeting** Travis Johnson
 - Travis discussed using chat for sign in and also asked if there were objections to recording the meeting for note taking purposes. The recording would be deleted after the minutes were completed. There were no objections.
6. **Approval of the Agenda** Travis Johnson
 - Brenda Kirkpatrick moved and Anhil Dhawan Seconded.
7. **Approval of Minutes of spring 2019 Meeting** Travis Johnson
 - a. <https://www.ewh.ieee.org/soc/pes/switchgear/minutes/2020-2/F20RODEmiREV0.pdf>
 - There was an action item for the RODE chair to approach the C37.06 chair to have Switchgear removed from their scope. Travis stated that was not performed
 - Continuing Action ITEM: Chair to approach C37.06
 - Minutes were displayed by Francois Soulard.
 - Under Item #7 it should be Spring of 2020 minutes.
 - Header should say Meeting Minutes and not Agenda
 - Fix page numbering
 - Karla Trost moved and seconded Francois Soulard to accept the minutes as amended.
 - Balloting by exceptions
 - (0) nays. (0) abstentions. Unanimous approval as amended.
8. **Working Group Report**
 - a. **IEEE C37.63 Overhead, Pad-Mounted, and Subm. Autom. Sectionalizers** Frank DeCesaro
 - There were (16) people attending. Of these (11) requested membership. Since this was the first meeting for this study group membership was granted.
 - The chair commented that this working group will utilize lmeetCentral for its document depository. It was explained that all those attending today will be provided access to this site once the chair has the project approved in My Project by the IEEE.
 - The present version of C37.63 was discussed regarding whether it should be revised, reaffirmed, or withdrawn. Key issues in the existing version:
 - Refers to older version of C37.100.1 (common clauses). It should reference the 2018 version.
 - It references IEEE 1247 which has been withdrawn and replaced by C37.30.3 and C37.30.4

RODE Meeting Minutes

April 21, 2021 – On-Line Meeting



- A suggested PAR was displayed, discussed, and modified. This PAR was voted on with (13) approvals and (3) abstentions to be submitted to RODE Subcommittee for approval to submit to the IEEE.
- b. IEEE C37.66 Capacitor SwitchesHarry Hirz**
 - Met today 10:15 AM to 12:00 PM. 14 people, 10 members 4 guests
 - Focused on results from balloting that was received at the end of 2020.. They are at 90% approval return of 75% with 1 negative.
 - The working group went through (56) comments today. They have about (36) editorial corrections and (16) technical corrections to make in the next draft. They plan on recirculating the standard and have about a week to revise the draft to submit it in May for recirculation. They will be looking for a 30 day vote.
 - Goal is to have standard out in December.
- c. IEEE C37.68 Distribution ControlsPaul Found**
 - Met Tuesday 21 members (18) of (21) members present and 14 guests
 - No patent or copyright issues.
 - Review 2nd working group ballot comments
 - (8) members provided (193) comments. Accepted (116) and rejected (4) prior to the meeting. The bulk of this session was in reviewing (73) comments by working group in two sessions. They did not get through all the comments and will schedule a May meeting to complete the ballot review
 - This summer they plan to go to the first sponsor ballot. Plan to resolving it by fall meeting
 - Final resolution should be fall of 2022.
 - PAR expires this calendar year therefore they approved a motion to ask RODE for a 2-year PAR until December of 2023.
- d. IEEE C37.74 Subsurface, Vault, and Padmounted Switchgear.....Kennedy Darko**
 - They met on Monday at 1:30. (36) people and 16 requested membership
 - No patent or copyright issues.
 - Following discussions on the present version of C37.74 they were able to draft a PAR which was approved to present to RODE today.
 - Mark Feltis asked what are the distinguishing features of this switchgear as opposed to a recloser
 - That question game up at the working group. If you look at C37.74 it references C37.60 which is the recloser standard which included fault interrupters. Now that C37.62 has been issued for fault interrupters alone it was decided that C37.60 no longer applies. Karla Trost added that C37. 74 is load interrupter and fused load interrupter switchgear.
 - Grant Ringham inquired if membership is still open. Kennedy stated that it was and for Grant to send him an email to request it.
- e. IEEE C37.75 Enclosure IntegrityAnil Dhawan**
 - Met on Monday at 8 AM. (26) attended with (13) members and quorum met.
 - Reviewed (42) internal working group comments. Out of them there are (3) items arose that the need to revisit. Therefore, they are requesting a 2-year PAR agenda for RODE to vote on.
 - Anil Dhawan stated that he did not get invitations to attend the RODE working group meetings because of issues with 123. IT may have been an incorrect email issue.
 - It was commented that If you registered for this week’s meetings, you should have received the schedule with links from the main committee.

RODE Meeting Minutes

April 21, 2021 – On-Line Meeting



9. Task Forces and Discussion group

a. Recloser interface... Mark Feltis

- Met on Tuesday at 10:15 AM
- They went over feedback received on action items from Fall of 2019.
 - Why should we move to common interface?
 - What do we give up?
 - Received two feedback which was entered into the meeting. Discussion was held. See the task force's minutes for details on the discussion.
- Frank DeCesaro requested that Mark create minutes of the meeting and submit them to the RODE Chair and Vice-Chair for inclusion into the week's minutes that RODE will submit.

b. No update on the visible break.

- What is the status on the visible break? Larry Putnam stated that it appears a report was submitted to ADSCOM and corrections were needed to be made to the report. That may be where it is hanging. It may be in RODE's ballpark.
- Francois Soulard stated the report was presented to ADSCOM after it was revised. ADSCOM stated it should be reedited for editorial aspect, but it was for ADSCOM needs at this point. Francois will follow up on this and tell RODE where it is. Pending that Travis will update at our next meeting then.

10. Liaison Report

a. T&I representative from RODE Nenad Uzelac

- Met on Monday.
- They have three on-going taskforces. They did not finish everything in their session and will have one more meeting Friday from 10 AM to 11 AM. It will be on the updated Switchgear schedule
- They started making process. Formed small teams and made outlines. There are three items they are working on.
 - Using the switchgear with the microgrid and distributed generator. This requires withstanding 200% voltage for up to 24 hours. Plan is a paper on technology and run some tests to report in paper
 - Aging switchgear. Looking at the end of life. Accepting members for this group. This will be a technical report. This will go on for a few years.
 - Different applications for switchgear. Applications not covered by the standard. They would like to see someone from RODE participating to identify applications in switchgear not covered by standards. He plans on submitting document for inclusion in RODE meeting minutes also asking for people to participate.

RODE Meeting Minutes

April 21, 2021 – On-Line Meeting



11. Items of Discussion for RODE Subcommittee

a. Review and Approve/Disapprove Scope for Discussion Group C37.63 Travis Johnson

- Frank DeCesaro moved that the PAR request submitted by the C37.63 PAR study group be approved for submittal to the IEEE to have a working group created. Francois Soulard seconded. These need to be submitted to NESCOM by May 6th.

PC37.63
Submitter Email: Type of Project: Revision to IEEE Standard C37.63-2013 Project Request Type: Initiation / Revision PAR Request Date: PAR Approval Date: PAR Expiration Date: PAR Status: Draft Root Project: C37.63-2013
1. Project Number: PC37.63 2. Type of Document: Standard 3. Life Cycle: Full Use
2.1 Project Title: Standard Requirements for Overhead, Pad-Mounted, Dry-Vault, and Submersible Automatic Line Sectionalizers for Alternating Current Systems Up to 38 kV Change to Title: IEEE Standard Requirements for Overhead, Pad-Mounted, Dry-Vault, and
Submersible Automatic Line Sectionalizers for Alternating Current Systems Up to 38 kV 4.1 Working Group: RODE - IEEE Standard Requirements for Overhead, Pad-Mounted, Dry-Vault, and Submersible Automatic Line Sectionalizers for AC Systems (PE/SWG/RODE-WG_C37.63) <ul style="list-style-type: none">Contact Information for Working Group Chair: Name: Frank DeCesaro Email Address: fdecesaro@ieee.orgContact Information for Working Group Vice Chair: None
4.2 Society and Committee: IEEE Power and Energy Society/Switchgear (PE/SWG) <ul style="list-style-type: none">Contact Information for Standards Committee Chair: Name: Keith Flowers Email Address: keith.flowers@ieee.orgContact Information for Standards Committee Vice Chair: Name: Douglas J Edwards Email Address: doug.edwards@ieee.orgContact Information for Standards Representative: Name: Michael Wactor Email Address: mwactor@ieee.org
4. Type of Ballot: Individual
5. Expected Date of submission of draft to the IEEE SA for Initial Standards Committee Ballot: December 2023
6. Projected Completion Date for Submittal to RevCom: December 2025
6.1 Approximate number of people expected to be actively involved in the development of this project: 10
6.2 Scope of proposed standard: This standard applies to all overhead, pad-mounted, dry-vault, and submersible single-pole or multipole alternating-current automatic line sectionalizers for rated maximum voltages above 1 kV and up to 38 kV. To simplify the terminology in this standard, the term sectionalizer has been substituted for automatic line sectionalizer wherever possible.
6.3 Is the completion of this standard contingent upon the completion of another standard? No
6.4 Purpose: The purpose of this standard is to describe the requirements for sectionalizers. Qualification to this standard should give reasonable assurance to the user that equipment meeting the requirements of this standard will perform in a satisfactory manner, provided that it has been properly selected for the intended application and is installed in accordance with the manufacturer's recommendations.
6.5 Need for the Project: The need for this project is to make general standard updates and revisions in accordance with the 10-year revision cycle set by IEEE.

RODE Meeting Minutes

April 21, 2021 – On-Line Meeting



- Approval by consent was taken.
 - No discussion was received on the motion.
 - There were no objections and no abstentions. Motion passed.

b. Approval of Request for 2 Year PAR Extension for IEEE C37.68 Travis Johnson

- Paul Found moved that a two-year PAR extension be submitted to the IEEE to December 31, 2023 be approved. Brendan Kirkpatrick seconded.

- Approval by consent was taken.
 - No discussion was received on the motion.
 - There were no objections and no abstentions. Motion passed.

c. Definitions for Submersible, Temporary and Prolonged Immersion..... Travis Johnson

- Karla Trost stated that C37.68 for distribution controls put a request in a year ago for three definitions for submersible, temporary immersion, and prolonged immersion. These were drafted, and it turns out that C37.75 has the same request. It differs slightly for those drafted by C37.68. During C37.68 it was recommended that we bring this to RODE because C37.74 and C37.63 may also want these definitions. The suggestion is to create a taskforce from RODE to draft definitions suitable for all our standards to provide consistent definitions. Karla willing to chair. Francois willing to assist. Taskforce has a narrow scope task and terminate at the completion of the project from ONP for Switchgear.

- Francois Soulard moves that a taskforce be formed to make a recommendation on definitions for Submersible, temporary immersion, and prolonged immersion. Seconded by Karla Trost.

Discussion: This is applying definitions to what documents? C37.68 and C37.75 which have currently drafted definitions for these items. There was discussion on the term of a task force.

Do we need to run this past these groups? Karla Trost commented that C37.68 was part of the suggestion and C37.75 Karla already has an action item to rewrite

- Approval by consent was taken.
 - No discussion was received on the motion.
 - There were no objections and no abstentions. Motion passed.

d. Approval of Request for 2 Year PAR Extension for IEEE C37.75 Travis Johnson

- Anil Dhawan moved that a two-year PAR extension for C37.75 be submitted to the IEEE to December 31, 2023. Brendan Kirkpatrick seconded.

- Approval by consent was taken.
 - No discussion was received on the motion.
 - There were no objections and no abstentions. Motion passed.

RODE Meeting Minutes

April 21, 2021 – On-Line Meeting



e. Review and Approve/Disapprove PAR for C37.74 Travis Johnson

- Kennedy Darko presented the proposed PAR.
 - There were two dates not included in it that need to be set before approval. They were set by the RODE group.

- Kennedy Darko moved that the PAR request submitted by the C37.74 PAR study group be approved for submittal to the IEEE to have a working group created. Ian Rokser seconded.

RODE Meeting Minutes

April 21, 2021 – On-Line Meeting

Type of Project: Revision to IEEE Standard C37.74-2014

Project Request Type: Modify / Revision

PAR Request Date:

Root PAR: C37.74

Root Project: C37.74-2014

1.1 Project Number: C37.74

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Project Title: IEEE Standard Requirements for Subsurface, Vault, and Padmounted Load-Interrupter Switchgear and Fused Load-Interrupter Switchgear for Alternating Current Systems up to 38kV

3.1 Working Group: RODE - IEEE Standard Requirements for Subsurface, Vault, and Padmounted Load-Interrupter Switchgear and Fused Load-Interrupter Switchgear for Alternating Current Systems up to 38 kV (PE/SWG/RODE-WG_C37.74)

3.2 Society and Committee: IEEE Power and Energy Society/Switchgear(PE/SWG)

4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE SA for Initial Standards Committee Ballot: June 2023

4.3 Projected Completion Date for Submittal to RevCom:
Dec. 2024

5.1 Approximate number of people expected to be actively involved in the development of this project: 20

5.2 Scope of proposed standard: This standard applies to enclosed assemblies of single-phase and three-phase, dead-front and live-front, subsurface, vault, and pad-mounted load-interrupter switches with or without protective devices, such as fuses or fault interrupters, up to 38 kV rated maximum voltage.

5.3 Is the completion of this standard contingent upon the completion of another standard? No

5.4 Purpose: This document contains no purpose statement.

5.5 Need for the Project: The need for this project is to make general standard updates and revisions in accordance with the 10-year revision cycle set by IEEE.

5.6 Stakeholders for the Standard: The stakeholders include electrical utilities, large industrial and some commercial.

6.1 Intellectual Property

6.1.1 Is the Standards Committee aware of any copyright permissions needed for this project? No

6.1.2 Is the Standards Committee aware of possible registration activity related to this project? No

RODE Meeting Minutes

April 21, 2021 – On-Line Meeting



- Approval by consent was taken.
 - No discussion was received on the motion.
 - There were no objections and no abstentions. Motion passed.

f. Review and Revise scope for Discussion Group on Recloser Interface Travis Johnson

- The scope was displayed by the chair.
 - Group has been going since fall of 2017. There have been two meetings missed.
 - Communications referred to are the nominal SCADA which are not being considered. On Tuesday Chris Ambrose brought up USB analogy.
 - Is there an outline of what will be in the report and who will be responsible? Frank DeCesaro suggested an outline with assignments be created.
 - Karla proposes putting an overall timeline on when the report will be completed.
 - Karla could not find a definition of discussion group listed in the current ONP. This needs to be looked at to determine if there is a sunset clause on their work.
 - Frank will review the rules and regulations, create a document, and submit to RODE for review. Then we can fix what is out of whack.

12. New Officer

New Secretary..... Travis Johnson

Adjourned at 5:45 PM Frank moved and Nenad seconded.

13. Next Meetings Travis Johnson

Fall 2021: October 10 - 14, 2021, Peppermill Resort Hotel, Reno, NV

Membership as of 4-21-21

Role	First Name	Last Name	Company	City	State	4/21/2021
Member	John Paul	Adigwu	Southern California Edison	Westminster	CA	
Member	Edwin	Almeida	Southern California Edison	Westminster	CA	X
Member	Chris	Ambrose	Federal Pacific (Div. of Electro-Mechanical Corp.)	Bristol	TN	X
Member	David	Beseda	S&C Electric Co.	Chicago	IL	X
Member	Antone	Bonner	PAS Consulting	Oconomowoc	WI	X
Member	Christopher	Borck	Eaton's Power Systems Division	Franksville	WI	
Member	Kennedy	Darko	G&W Electric Co	Bolingbrook	IL	
Vice-Chair	Frank	DeCesaro	DeCesaro Consulting Services	Racine	WI	X
Member	Anil	Dhawan	ComEd	Oakbrook Terrace	IL	
Member	Mark	Feltis	Schweitzer Engineering Laboratories, Inc	Pullman	WA	X
Member	Paul	Found	BC Hydro	Burnaby	BC	X
Member	Jeffrey	Gieger	Thomas & Betts	Dingmans Ferry	PA	X
Member	Harold	Hirz	G&W	Fairview Park	OH	X
Member	Rahul	Jain	S&C Electric Company	Chicago	IL	X
Chair	Travis	Johnson	Xcel Energy	Denver	CO	X
Member	Brendan	Kirkpatrick	Southern California Edison	Westminster	CA	X
Member	Donald	Martin	G&W Electric Co.	Manhattan	IL	X
Member	Steven	Meiners	Retired	Fuquay Varina	NC	
Member	Peter	Meyer	S&C Electric Company	Chicago	IL	X
Member	Al	Pruitt	The Durham Company	Lebanon	MO	
Member	Larry	Putman	Powell	Point	TX	X
Member	Ian	Rokser	Eaton Corp	South Milwaukee	WI	X
Past Chair	Francois	Soulard	Hydro-Quebec	Montreal	QC	X
Honorary Member	David	Stone	DTS Technical Services	Reading	MA	
Member	Karla	Trost	G&W Electric	Bolingbrook	IL	X
Member	Nenad	Uzelac	G&W Electric	Bolingbrook	IL	X
Member	William	Walter	We-Energies	Waukesha	WI	X

Guests at 4-21-2021 Meeting

Role	First Name	Last Name	Company	City	State	4/21/2021
Guest	Robert	Behl	ABB	Lake Mary	FL	X
Guest	Edgar	Dullni	retired	Ratingen	Other	X
Guest	Peter	Agliata	Hubbell Power Systems	Birmingham	AL	X
Guest	Chris	Lettow	S&C Electric Company	Buffalo Grove	IL	X
Guest	Andrew	Swisher	Southern California Edison	Westminster	CA	X
Guest	Wangpei	Li	Eaton	Horseheads	NY	X
Guest	John	Kaminski	Siemens	Mount Prospect	IL	X
Guest	David	Dart	NOJAPower	Brisbane	Other	X
Guest	Joseph	Smith	FortisAlberta	Airdrie	AB	X
Guest	Robert	Lau	nVent Hoffman	Anoka	MN	X
Guest	Roberto	Olivares	Siemens	Heber Springs	AR	X
Guest	Richard	Frye	Eaton	Franksville	WI	X
Guest	Christopher	Morton	Powertech Labs Inc.	Surrey	Other	X
Guest	Katherine	Cummings	G&W Electric	Bolingbrook	IL	X
Guest	Caryn	Riley	Georgia Tech/NEETRAC	Forest Park	GA	X
Guest	Michael	Culhane	Eaton	South Milwaukee	WI	X
Guest	Stephen	Pell	Siemens	Pullman	WA	X
Guest	Mohit	Chhabra	S&C Electric Company	Wheeling	IL	X
Guest	Grant	Ringham	BC Hydro	Burnaby	BC	X
Guest	Christopher	Hastreiter	Eaton	South Milwaukee	WI	X
Guest	Ashley	Moran	IEEE Standards Association (IEEE-SA)	Piscataway	NJ	X
Guest	Dan	Busilan	Dominion Energy	Richmond	VA	X
Guest	Srikant	Venkatesh	Schweitzer Engineering Laboratories	Lynnwood	WA	X
Guest	Ngoc	Bui	SDG&E	Murrieta	CA	X