

RODE C37.75 Switchgear Enclosure Integrity Working Group Meeting Minutes

October 7, 2019 – San Diego, CA

Chair: Anil Dhawan

Secretary: Karla Trost

Meeting Agenda

1. **Call to Order** Anil Dhawan
The meeting was called to order at 3:33 PM
2. **6.3.2 Call for Patents** Anil Dhawan
3. **Introduction of Members and Guests**
Self-introductions with affiliations
4. **Attendance and Quorum Check**
28 people attended the meeting including 15 members of 22.
Quorum was achieved.
5. **Approval of Agenda** Anil Dhawan
Proposed agenda was reviewed.
M. Culhane motioned to approve the agenda.
A. Pruitt seconded.
6. **Approval of Previous meeting minutes** Anil Dhawan
<http://www.ewh.ieee.org/soc/pes/switchgear/minutes/2019-1/S19RODEa5REV0.pdf>
C. Ambrose motioned to approve the minutes.
M. Culhane seconded.
7. **Review of Action Items**
 - a) Section 5.5.12 – Has been revised per the April meeting decision.
 - b) Section 5.5.13 – Has been revised per the April meeting decision.
 - c) Creation of the verbiage for the control enclosures using previously provided information – Completed, to be reviewed at the meeting.
 - i) Discussion on Section 5.1.2: Need to add accommodation for padmounted control enclosures which are not inside of the padmount enclosure.
(1) Decision made to change this section to be applicable for all enclosures.
 - ii) Comment that we need to have a note in the beginning of 75 allowing coastal requirements in non-coastal applications. Action Item: Karla Trost

- iii) Discussion on 5.2.2: Add 5.2.2 of C57.12.29-2014 or Clause 7.2 of UL50E is applicable for control enclosures.
- iv) Discussion on 5.2.1: Add Clause 5.3.1 of C57.12.29-2014 or Clause 7.2
- v) Discussion on 5.4: Add clause 5.4 of C57.12.28-2014 or Clause 8
- vi) General discussion – Add the year to the UL50E standard references.
- vii) General discussion for 5.5: “add or the following sub-clauses are applicable”
- viii) Discussion on 6.1.2. Should we leave it as “applicable”? Decision to add “in addition to any other water resistance requirements defined in applicable IEEE equipment standards”
- ix) Discussion on 6.1.4: Conversation about if this should just be applicable to all, is it applicable to all control enclosures, how is it impacted by connectors.
- x) Discussion on 6.1.9:
 - (1) If publicly accessible, must be fire-resistant
 - (2) Please bring ideas to the spring meeting for how to address. Action Item: All Members

8. New Items:

- Discuss Section 7 (Labels) verbiage. Anil Dhawan
 - Action Item: David Beseda, Chris Ambrose, and Anil Dhawan (lead) to review.
- Draft definition of control enclosure. Action item: Karla Trost
- Discussion on if we should expand the “Control Enclosures Column” in the tables.
 - Editorial: add over-all header for equipment. Action Item: Karla Trost
 - Action item: David Beseda and Karla Trost work on a control table.
- Discuss Working Group Ballot/Comment and Public Ballot Schedule Anil Dhawan
We will send out a draft document to all WG members and guests prior to the next meeting.
- Discussion on if we should include any kind of “protection” to prevent external damage to the control (like a bollard for the equipment).

9. Next Meeting is scheduled to take place in Reno, NV with the Spring 2020 Switchgear Committee meeting.

10. Adjournment

The meeting was adjourned at 5:17PM.

Annex 1: Attendance

Role	First Name	Last Name	Company	10/7/2019
Chair	Anil	Dhawan	ComEd	X
Member	Peter	Agliata	Hubbell Power Systems	X
Member	Edwin	Almeida	Southern California Edison	X
Member	Chris	Ambrose	Federal Pacific (Div. of Electro-Mechanical Corp.)	X
Member	David	Beseda	S&C Electric Co.	X
Member	Antone	Bonner	PAS Consulting	
Member	Russell	Boyce	Eaton	
Member	Michael	Culhane	Eaton	X
Member	Katherine	Cummings	G&W Electric	
Member	Mark	Feltis	Schweitzer Engineering Laboratories, Inc	X
Member	Paul	Found	BC Hydro	X
Member	Ilya	Glinsky	Southern California Edison	
Member	Travis	Johnson	Xcel Energy	X
Member	Brendan	Kirkpatrick	Southern California Edison	X
Member	Robert	Lau	nVent Hoffman	
Member	Benson	Lo	Toronto Hydro	
Member	Steven	Meiners	GE	
Member	Al	Pruitt	The Durham Company	X
Member	Tim	Rohrer	Exiscan	
Member	Ian	Rokser	Eaton Corp	X
Member	Francois	Soulard	Hydro-Quebec	X
Secretary	Karla	Trost	G&W Electric	X
Guest	Thomas	Ballard	Hubbell Power Systems	X
Guest	Steven	Barbera	Arizona Public Service	
Guest	Dave	Booth	Exiscan	
Guest	Ngoc	Bui	SDG&E	X
Guest	Stephen	Cary	Eaton	
Guest	Sterlin	Cochran	Oak & Shield LLC	
Guest	Robert	Cohn	Powercon Corp.	
Guest	Brad	Connor	Xcel Energy	
Guest	Bianca	Cosby	San Diego Gas & Electric	X
Guest	Kennedy	Darko	G&W Electric Co	X
Guest	nadia	El khattabi	Hydro-Quebec	
Guest	Jeffrey	Gieger	Thomas & Betts	
Guest	Paul	Gingrich	AZZ Switchgear Systems	
Guest	Jodi	Haasz	IEEE	
Guest	Robert	Hanna	ABB INC	X
Guest	Christopher	Hastreiter	Eaton	
Guest	Harold	Hirz	G&W	

Guest	Jason	Hollander	CHA Consulting, Inc.	
Guest	Rahul	Jain	S&C Electric Company	
Guest	John	Kaminski	Siemens	X
Guest	Ryan	Kowdley	Pacific Gas & Electric	
Guest	Bradley	Lewis	AEP	
Guest	Donald	Martin	G&W Electric Co.	X
Guest	Jacob	Midkiff	Dominion Energy	X
Guest	Ashley	Moran	IEEE Standards Association (IEEE-SA)	
Guest	Roberto	Olivares	Siemens	
Guest	Brian	ONeil	RMS Energy	
Guest	Stephen	Pell	Siemens	X
Guest	Mark	Peterson	Xcel Energy	
Guest	Larry	Putman	Powell	
Guest	Anthony	Ricci	FirstEnergy Corp.	
Guest	Caryn	Riley	Georgia Tech/NEETRAC	X
Guest	Mark	Roberson	AZZ/Calvert	
Guest	Michael	Shook	Hubbell Power Systems	
Guest	Erin	Spiewak	IEEE	
Guest	Nenad	Uzelac	G&W Electric	
Guest	Srikant	Venkatesh	Schweitzer Engineering Laboratories	X
Guest	Bruce	Venne	Rockwell Automation	
Guest	Nick	Vonfeldt	Ameren Missouri	
Guest	Michael	Wactor	Powell Industries, Inc	
Guest	Randy	Ward	Aluma-Form	X
Guest	Jerry	Wen	BC Hydro	
Guest	Torsten	Wirz	ABB AG	
Guest	Robert	Wolf	Hubbell Power Systems, Inc.	X
Guest	Terrance	Woodyard	Siemens Industry Inc.	
Guest	Charles	Worthington	Hubbell Power Systems	X
Guest	Danish	Zia	UL LLC	