

RODE C37.75 Switchgear Enclosure Integrity Working Group Meeting Minutes

April 30, 2019 – Burlington, VT

Chair: Anil Dhawan

Secretary: Karla Trost

Meeting Agenda

1. **Call to Order** Anil Dhawan
The meeting was called to order at 2:02PM
2. **6.3.2 Call for Patents** Anil Dhawan
3. **Introduction of Members and Guests**
Self-introductions with affiliations were made by the attendees.
4. **Attendance and Quorum Check**
Of 15 members 10 were present, Quorum was achieved.
30 guests attended with 6 requesting membership. Membership was approved.
5. **Approval of Agenda** Anil Dhawan
Proposed agenda was reviewed.
Motion to approve by: Brendan Kirkpatrick
Motion seconded by: Francois Soulard
Motion carried.
6. **Approval of Previous meeting minutes** Anil Dhawan
<http://www.ewh.ieee.org/soc/pes/switchgear/minutes/2018-2/F18RODEa5REV1.pdf>
Proposed agenda was reviewed.
Motion to approve by: Francois Soulard
Motion seconded by: Brendan Kirkpatrick
Motion carried.
7. **Review of Action Items**
 - a) **Erin Spiewak will schedule a call with the Transformer committee chair(s)**, Francois, Anil, and Karla to discuss co-sponsoring and starting work now or splitting the C57.12.28 and 29 standards so that switchgear is only covered by C37.75.
The call did not take place but given the ballot process for C57.12.32 and information about copyright/ standard referencing provided by the IEEE representatives, the group agreed this action would close.

- b) In the meantime, **David B, Karla T, Al P, and Anil D will start drafting the switchgear enclosure reference document** (controls will not be included)

This item was completed and reviewed under New Items.

8. New Items:

- a) Review of Draft Document (provided prior to the meeting with the agenda.)
 - i) Question about adding color requirements from C57.12.32 for section 5.3.4, The current Draft of C57.12.32 does not have a color. Group agreed this is not an issue.
 - ii) Discussion on Section 5.5.12
 - (1) Motion by Chris Ambrose: Provide an option to opt out of the Thermal Cycle Test if the enclosure is manufactured of 300 series Stainless Steel. Seconded Brendan.
 - (a) 8 members approved, motion passed
 - (2) Discussion on if Thermal Cycle Test is needed: Transformers can reach the 130C, but switchgear may not. Rather than reference the 2002 version, we may want to bring the verbiage over (and update as appropriate.) The group agreed to Leave section as written with the previous motion.
 - iii) General Recommendation that for major clauses (“refer to matrix for applicable sections”) – Group agreed.
 - iv) Discussion on Section 5.5.13: The verbiage is a little vague. What constitutes a design change?
 - (1) Motion by Brendan Kirkpatrick to change the verbiage to “These coating/substrate tests shall be repeated whenever the painting material, painting process, or substrate material is changed.” Second by David Beseda.
 - (a) 8 members voted to approve, motion passed
- b) Next steps: **Creation of the verbiage for the control enclosures using previously provided information:** Michael Culhane, Bob Lau, Karla Trost, Al Pruitt, Edwin Almeida

9. Next Meeting is scheduled to take place in San Diego with the Fall Switchgear Committee meeting.

10. Adjournment

The meeting was adjourned at 3:42PM.

Annex 1: Attendance

Role	First Name	Last Name	Company	Present
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	X
Member	Russell	Boyce	Eaton	X
Member	Michael	Culhane	Eaton	X
Member	Katherine	Cummings	G&W Electric	
Member	Mark	Feltis	Schweitzer Engineering Laboratories, Inc	Excused
Member	Paul	Found	BC Hydro	X
Member	Ilya	Glinsky	Southern California Edison	
Member	Travis	Johnson	Xcel Energy	Excused
Member	Brendan	Kirkpatrick	Southern California Edison	X
Member	Robert	Lau	Pentair Technical Solutions	X
Member	Benson	Lo	Toronto Hydro	X
Member	Steven	Meiners	GE	Excused
Member	Al	Pruitt	The Durham Company	X
Member	Tim	Rohrer	Exiscan	X
Member	Ian	Rokser	Eaton Corp	Excused
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	X
Guest	Dave	Booth	Exiscan	X
Guest	Stephen	Cary	SMC	
Guest	Sterlin	Cochran	Hubbell Power Systems	X
Guest	Robert	Cohn	Powercon Corp.	X
Guest	Brad	Connor	Xcel Energy	
Guest	Kennedy	Darko	G&W Electric Co	Excused
Guest	nadia	El khattabi	Hydro-Quebec	X
Guest	Jeffrey	Gieger	Thomas & Betts	X
Guest	Paul	Gingrich	AZZ Switchgear Systems	X
Guest	Jodi	Haasz	IEEE	X
Guest	Robert	Hanna	ABB INC	X
Guest	Christopher	Hastreiter	Eaton	X
Guest	Harold	Hirz	Thomas and Betts	
Guest	Jason	Hollander	RESA Power	X
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)	X
Guest	Roberto	Olivares	Siemens	
Guest	Brian	ONeil	RMS Energy	
Guest	Stephen	Pell	Siemens	X
Guest	Mark	Peterson	Xcel Energy	X
Guest	Larry	Putman	Powell	X
Guest	Anthony	Ricci	FirstEnergy Corp.	
Guest	Caryn	Riley	Georgia Tech/NEETRAC	X
Guest	Mark	Roberson	AZZ/Calvert	
Guest	Timothy	Royster	Dominion Virginia Power Retired	
Guest	Michael	Shook	Hubbell Power Systems	X
Guest	Erin	Spiewak	IEEE	
Guest	Craig	Thompson	SEL-Retired	
Guest	Nenad	Uzelac	G&W Electric	
Guest	Bruce	Venne	Rockwell Automation	
Guest	Nick	Vonfeldt	Ameren Missouri	
Guest	Michael	Wactor	Powell Industries, Inc	X
Guest	Randy	Ward	Aluma-Form	
Guest	Jerry	Wen	BC Hydro	
Guest	Torsten	Wirz	ABB AG	X
Guest	Robert	Wolf	Hubbell Power Systems, Inc.	X
Guest	Terrance	Woodyard	Siemens Industry Inc.	
Guest	Danish	Zia	UL LLC	