

# Dielectric Tests Subcommittee

## Working Group Report

Document #:	C57.138		
Document Title:	Recommended Practice for Routine Impulse Test for Distribution Transformers		
Chair:	Hakan Sahin	Vice-Chair	Reto Faush
Secretary	David Wallace	Percent Complete	70%
Current Draft Being Worked On:	Draft not started	Dated:	n/a
PAR Expiration Date:	December 31, 2026		
Meeting Date:	29 October 2024	Time:	3:15pm
Location:	St. Louis, MO, USA		
Attendance:	Members		10
	Guests		23
	Guests Requesting Membership		4
	Total*		34

\* Attendance list for this meeting is shown at end of meeting minutes

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### Meeting Minutes / Significant Issues / Comments:

Meeting was called to order at 3:15pm, October 29, 2024.

#### 1. Administrative

- a. IEEE Patent Policy and Call for Patents
  - i. No comments from group.
- b. IEEE SA Copyright Policy
  - i. No comments from group.
- c. Review of agenda
  - i. No comments from group.
- d. Introductions of the attendees
  - i. Attendance sheets were passed out.
- e. Updated membership review and count for quorum
  - i. 34 people were in attendance with 10 out of 15 members present. Quorum was **achieved**.
  - ii. Spring\_24 unapproved meeting minutes and Fall\_24 agenda were approved with no objections from the members.
  - iii. 0 attendees requested membership.
- f. Dan Sauer Motioned for approval of agenda and Spring 24 minutes; Jim McBride seconded. No objections noted. Motioned passed

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### 2. Old Business

WG continued to review the document from clause 8.3.2, where we had stopped at the end of Spring\_24 meeting, thru clause 8.3.2, which is where we will continue from during the Spring\_25 meeting. Proposed changes approved during the meeting. Below is the summary of the review comments.

8.3.2 – Proposed to remove the last sentence of the first paragraph. 7 voted to approve. No abstain. Motion Passed.

Reviewed Figure 26. Leave as is.

Proposed to Remove the first sentence of the fourth paragraph and the following word “However”. After EMI. Add “An off the shelf oscilloscope does not include the software required for the measurement of the peak voltage.”. 7 voted to approve a abstain. Motion passed.

Proposed to remove the 3<sup>rd</sup> paragraph. 7 approved, Motion passed

Discussed figures 27 and 28. Suggested replacing the waveforms with ones that will clearly demonstrate the problem. Jim McBride recommends three curves to highlight the errors.

Replace figures 29 and 30 with better representing figures.

Look into possibly replacing figures 31 and 32.

Change the last sentence in the paragraph before figures 33 and 34. Update figures 33 and 34. Stopped on 8.3.2

No objections to adjourning.

WG is well on track to complete the review, revise the document per all approved revisions by the par expiration date of 12/31/2026

3. Next meeting: SPRING 2025 MEETING DENVER, COLORADO, USA March 23 - 27, 2025

4. Close of meeting

- a. Dan Sauer Motioned to adjourn, Jim McBride seconded. No objections
- b. Meeting adjourned at 4:30 pm.

Submitted by: Hakan Sahin      Date: 11/15/24

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### WG C57.138 Members and Guests list

Below membership as of Fall\_24 meeting, which will be updated by the Spring-25 meeting

Last Name	First Name	Company	Status	Last Name	First Name	Company	Status
Abdalla	Isaac	Hico America	Guest	Lachman	Mark	Doble	Guest
Alonso	Mario	Georgia Transformers	Guest	Lagos	Fernando	Ge Vernova	Guest
Ansari	Tauhid	Hitachi Energy	Guest	Lambert	Jason	JST Power	Guest
Arnold	Elise	SGB	Guest	Leal	Fernando	Prolec GE	Guest
Avanoma	Onome	MJC	Guest	Lee	Moonhee	Hammond power solution	Guest
Beaudoin	Jason	Weidmann	Guest	Mani	Balakrishnan	ITEC	Guest
Betancourt	Edwin	Siemens Energy	Guest	McBride	Jim	JMXHV	Member
Binder	Wallace	Consultant	Guest	Masond	Nader	Central Maloney	Guest
Bolliger	Alain	HV Technologies	Member	Meza	Fernando	Ermco	Guest
Bolliger	Dominiques	HV Technologies	Guest	Montanha	Juliano	Siemens Energy	Guest
Britton	Jeffery	Phenix Technology	Guest	Moreno	Andre	Siemens Energy	Guest
Brzoznowski	Steven	BPA	Guest	Morris	Tim	Walton EMC	Guest
Calitz	David	Siemens Energy	Guest	Morrow	Gianetta	Crane Aerospace	Guest
Carr	Deniss	GE	Guest	Murray	David	TVA	Guest
Costa	Florian	Corimpex	Guest	Nissle	Boris	MGC Mozer-Glaser Inc.	Guest
CruzValdes	Juan Carlos	Prolec GE	Guest	ogajanov	Rudolf	Hitachi Energy	Guest
Davis	Eric	Consultant	Guest	Orozco	Polo	GE Grid Solutions	Guest
Derouen	Craig	ERMCO	Guest	Ortiz	Cuauhtemoc	Niagara Transformer Co	Guest
Diaz	Cesar	Eaton	Guest	Owen	John	PowerTech Labs	Guest
Dolloff	Paul	EKPC	Guest	Parrales	Herman	Prolec GE	Guest
Door	Jeffrey	H-J	Guest	Patel	Poorvi	EPRI	Member
Doppemair	Peter	Trench Group	Guest	Pepe	Harry	Phenix Technology	Guest
Elliott	William	Prolec GE	Guest	Plante	Sylvain	Hydro-Quebec	Guest
Eshenroder	Jacob	Burns and McDonnell	Guest	Plisic	Goran	Siemens Energy	Guest
Fausch	Reto	RF Solutions	Member	Posadas	Daniel	CELECO	Guest
Fayad	Fadi	ASD	Guest	Pousset	Baptiste	Transformer Protection Co	Guest
Flores	Hugo	Hitachi	Guest	Prince	Jarrod	ERMCO	Guest
Frye	Richard	Eaton	Member	Rhett	Chrysler	ERMCO	Guest
Garcia	Eduardo	Siemens Energy	Guest	Ronchi	Rodrigo	WEG	Guest
Gaytan	Carlos	Prolecge	Guest	Sahin	Hakan	Virginia and Georgia Transformer	Member
Ghosh	Rob		Guest	Salinas	Fernando	Power Partners	Member
Givaldo	Orlando	HJ Family	Guest	Sarkar	Amitabh	VA Transformer	Guest
Hernandez	Giovannie	Virginia Transformers	Member	Sauer	Dan	Eaton	Member
Himow	Monkin	Highvolt	Guest	Schott	Cody	H-J Family	Guest
Hochanh	Thang	PowerTech	Guest	Schrammel	Alfons	Siemens Energy	Guest
Hopkinson	Phil	Hvolt	Member	seluargj	Pugual	VA Transformer	Guest
Hussain	MD Rashid	Mississippi State University	Guest	Sexton	Aron	Kinectrics	Guest
Jaros	Patrycja	IEEE SA	Guest	Shaikh	Abdul Majid	Delta Star	Guest
Jordan	Steve	TVA	Guest	Shalabi	Jaber	Vantran	Guest
Katz	Nathan	Pacificorp	Guest	Sharp	Michael	Trench, LTD	Guest
Kennedy	Gael	GRKennedy&Associates	Guest	Slattery	Chris	First Energy	Member
King	Gary	Howard Industry	Guest	Snyder	Steve	Hitachi Energy	Guest
Knapp	Evan	Eaton	Guest				

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Som	Sanjib	PTI, LLC	Guest
Steele	Hampton	TVA	Guest
Stretch	Kerwin	Siemens Energy	Guest
Sze	Matthew	Omicron Energy	Guest
Takan	Can	MGC Mozer-Glaser Inc.	Guest
Thibolt	Mike	PG&E	Guest
Thiede	Andreas	Highvolt Dresden	Guest
Thomas	Scott	Hitachi Energy	Guest
Tillery	Tim	Howard Industry	Guest
Traut	Alan	Howard	Member
Verdell	Joshua	ERMCO	Guest
Verdolin	Rogério	Verdolin Solutions	Guest
Waldrop	Mike	MLGW	Guest
Walker	David	MGM Transformers	Guest
Wallace	David	Mississippi State University	Member
Weisensee	Matt	Pacificorp	Guest
Wimbery	Barret	GE	Guest
Winter	Alexandar	Highvolt	Guest
Yun	Joshua	Virgina Transformer Corp	Member
Zaman	Malia	IEEE-SA	Guest
Zanwan	Anand	Siemens Energy	Guest
Zhang	Shibao	PCORE	Guest
Ziger	Igor	Kovear	Guest