

**PAR Study Group**  
**IEEE Guide for Specifications of High Voltage Circuit Breakers (over 1000V)**  
**Wednesday, April 19, 2023 01:30PM– 03:15PM**  
**Clearwater, FL**

Chair: Todd Irwin

Secretary: N/A

<b>Agenda Item</b>	
1	Call Meeting to Order
<b>The meeting was called to order by the Chair at 1:32PM</b>	
2	Introduction of Members & Guests, circulation of roster
<b>Attendance is attached to these minutes</b>	
3	Review IEEE Patent, Behavior and Copyright Policy slides
	<p><a href="https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf">https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf</a></p> <p><a href="https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/copyright-policy-WG-meetings.potx">https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/copyright-policy-WG-meetings.potx</a></p> <p>Patent and copyright policy slides were shown, and a link is provided in the minutes.</p> <ul style="list-style-type: none"> <li>• That the chair provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of that standard</li> <li>• There were no respondents.</li> </ul>
4	Attendance and Quorum Check
<b>The study group was formed with 30 members</b>	
5	Agenda Review and Approval
	<p><b>Motion to approve.</b>  <b>1<sup>st</sup> Jeff Ward</b>  <b>2<sup>nd</sup> Chris Jarnigan</b>  <b>No objections or abstention</b>  <b>Approved by acclamation</b></p>
6	PAR Review – Scope/Purpose/Need
	<p><b>The Study Group discussed the Scope, Purpose and Need for the project.</b></p> <p><b>There was some discussion whether to include Circuit Switchers as part of the scope. Consensus was reached that for the purpose of this document, circuit switcher differ enough that they should not be included.</b></p> <p><b>Jeff Ward made a motion to seep the PAR scope unchanged.</b>  <b>Neil McCord seconded</b>  <b>No objections or abstention</b>  <b>Approved by acclamation.</b></p> <p><b>Discussion to add SC to the to title of the Guide.</b>  <b>Chris Jarnigan made a motion to modify the title</b>  <b>“IEEE Std C37.12: IEEE Guide for Specifications of <span style="color: red;">AC</span> High Voltage Circuit Breakers (over 1000V)”</b>  <b>Neil McCord seconded</b>  <b>No objections or abstention</b>  <b>Approved by acclamation.</b></p> <p><b>The Purpose of Guide was discussed and consensus is to keep unchanged</b>  <b>Steve May made a motion to keep the Purpose unchanged</b>  <b>Fernando Ordein seconded</b></p>

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<b>Agenda Item</b>	
	<p><b>No objections or abstention</b>  <b>Approved by acclimation.</b></p> <p><b>The Need for Guide was discussed and consensus is to keep unchanged</b>  <b>Pat Dilillo made a motion to keep the Purpose unchanged</b>  <b>Carl Schuetz seconded</b>  <b>No objections or abstention</b>  <b>Approved by acclamation.</b></p>
<b>7</b>	<b>Motion to HVCB</b>
	<p><b>The Study Group discussed seeking approval to from the HVCB Subcommittee to submit a PAR request and for a working group at the Fall 2023 Switchgear Committee meeting in San Diego.</b></p> <p><b>Pat Dilillo made a motion make this request to HVCB</b>  <b>Carl Schuetz seconded</b>  <b>No objections or abstention</b>  <b>Approved by acclimation.</b></p> <p><b>The Scope, Purpose and Need are attached to these minutes.</b></p>
<b>8</b>	<b>Other Discussion/New Business</b>
	<p><b>The working group will be formed at the next Switchgear committee meeting in San Diego the week of Oct 9, 2023.</b></p> <p><b>Andy Beckel volunteered as Secretary of the Working Group and will assume that role for the first WG meeting.</b></p>
<b>9</b>	<b>Adjourn</b>
	<p><b>The Chair adjourned the meeting at 2:25PM.</b></p>

# Scope Review

IEEE Std C37.12: IEEE Guide for Specifications of **AC** High Voltage Circuit Breakers (over 1000V)

## Scope

- This guide is for development of specifications that apply to all indoor and outdoor types of ac high-voltage circuit breakers rated above 1000 V

# Scope Review

## Purpose

- This document is intended as a guide for use in developing specifications for ac high-voltage circuit breakers. This guide is for specifications that apply to all indoor and outdoor types of ac high-voltage circuit breakers rated above 1000 V. The imperative mode of the language is illustrative of that used in specifications. It does not imply that this document is anything other than advisory in its scope.

# Scope Review

## Need for the Project

- The existing document requires updating to be consistent with other related standard(s) revisions including but not limited to IEEE C37.04, IEEE C37.09, IEEE C37.100.5, IEEE C37.010, IEEE C37.011, IEEE C37.012 and IEEE C37.11.

<b>SG37.10</b>	<b>Spring 2023</b>	<b>Attendance</b>	<b>PAR Study Group</b>	<b>19-Apr-23</b>
<b>Role</b>	<b>First Name</b>	<b>Last Name</b>	<b>Company</b>	
Chair	Todd	Irwin	GE Grid Solutions	X
Member	Anatoly	Akhunov	HICO America	X
Member	Andy	Beckel	Xcel Energy	X
Member	Sanket	Bolar	Oncon Electric Delivery	X
Member	Jeff	Brogdon	Georgia Transmission	X
Member	Adam	Brooks	Duke Energy	X
Member	Craig	Bryant	Duke Energy	X
Member	Arben	Bufi	Meiden America Switchgear, Inc.	X
Member	Andrew	Chovanec	Power Grid Components	X
Member	Michael	Christian	ABB	X
Member	Jason	Cunningham	Southern States	X
Member	Patrick	Di Lillo	Consolidated Edison Co. of NY, Inc.	X
Member	Jennifer	Hunter	MEPPI	X
Member	Christopher	Jarnigan	Southern Company Services	X
Member	Leo	Lopez	WIKA Instrument, LP	X
Member	Vincent	Marshall	Southern Company	X
Member	Paul	Masterson	Maiten America Switchgear	X
Member	Steven	May	Southern Company	X
Member	Neil	McCord	KEC Precision	X
Member	Fernando	Ordein	Dominion Energy	X
Member	Icaas	Pounders	Meiden America Switchgear, Inc.	X
Member	Brian	Roberts	Southern States	X
Member	Oscar	Salas	Dke Energy	X
Member	Ben	Sax	Nashville Electric	X
Member	Daniel	Schiffbauer	Toshiba International Corporation	X
Member	Carl	Schuetz	American Transmission Company (ATC)	X
Member	Jeff	Scott	Ameren	X
Member	Michael	Skidmore	AEP	X
Member	Don	Steigerwalt	Duke Energy	X
Member	Jeff	Ward	Doble Engineering Company	X