

Working Group
PC37.10 Guide for Investigation, Analysis, and Reporting of CB Failures
Wednesday April 13, 2022, 8:00 to 8:45AM EDT
Spring 2022 Meeting

Chair: Neil Hutchins
Secretary: Todd Irwin

Agenda Item	
1	Call Meeting to Order
The meeting was called to order by the Chair at 8:02 AM	
2	Introduction of Members & Guests, circulation of roster
Attendance is attached to these minutes	
3	Review IEEE Patent, Behavior and Copyright Policy slides
<p>https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf</p> <p>https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/copyright-policy-WG-meetings.potx</p> <p>Patent policy slides were shown, and a link is provided in the minutes.</p> <ul style="list-style-type: none"> • 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 • There were no respondents 	
4	Attendance and Quorum Check
<p>There were 35 members (11) and guests (24) in attendance. Quorum was confirmed with 11/21 members</p>	
5	Agenda Review and Approval
<p>1st Keith Flowers 2nd Jeff Ward No objections or abstentions Approved by acclamation</p>	
6	Approval of minutes of previous meetings (Fall 2021)
<p>1st Keith Flowers 2nd Dave Mitchell No objections or abstentions Approved by acclamation</p>	
7	PAR status
<ul style="list-style-type: none"> • Approved Dec 2020 • Expires Dec 31, 2024 • C37.10-2011 is inactive • Planning 1st ballot mid-2022 	
8	Review of draft
<ul style="list-style-type: none"> • Review and add SF6-free where appropriate. Alternate gases, vacuum • Reporting form <ul style="list-style-type: none"> ○ Add Vandalism ○ Type of Mechanism - add under Equipment, like done with interrupter 	

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Agenda Item	
	<ul style="list-style-type: none"> • Can we make the failure reporting for editable? Check with Jennifer • Oscilligrams – specify location of CTs where measurements are made • Establish file sharing platform for video/photos/etc between user and manufacturer • Encourage User for “mandatory” data sharing – Ben Bufi to review Section 7.2 and suggest language Dave Mitchell and suggest alternat location • Add DFR language to form – Andy Keels to review and suggest revision • Photos/Videos – list of suggested photo/video process • Section 5 – Circuit switcher scope – Jeff Ward • Check with other WG to add reference to C37.11 in other standards – C37.04, C37.010 • Encourage manufacturers to reference the RP in instruction manuals
9	<p>Other Discussion/New Business</p> <ul style="list-style-type: none"> • Volunteers to submit suggestions before May 6, 2022 by RNHUTCHI@southernco.com and todd.irwin@ge.com • Check on Editable report form. • Send to WG members for 30 day review and electronic approval by May 31, 2022 • Pending approval of the WG ask HVCB for approval to go to ballot between now and next meeting • Promotion of C37.10 <ul style="list-style-type: none"> ○ GM and T&D ○ Webinar – Tutorial, PES Resource Center ○ Doble conference(s) • Intention is to host an IEEE webinar that will be recorded and place on the PES Resource Center. <p>Request from HVCB to ensure normative reference to C37.10 in relevant documents, C37.04, C37.09, C37.010, C37.016</p> <p>AMENDED (Apr 13, 2022, HVCB subcommittee meeting): request approval from HVCB for ballot submittal on completion and approval of the draft document by the working group.</p>
10	<p>Adjourn</p> <p>Meeting adjourned by the Chair at 9:06AM</p>

PC37.10**Spring 2022****Attendance****13-Apr-22**

Role	First Name	Last Name	Company	04/13/22
Chair	Neil	Hutchins	Georgia Power	X
Secretary	Todd	Irwin	GE Grid Solutions	X
Member	John	Billings	retired	
Member	Michael	Crawford	Mitsubishi Electric	
Member	Patrick	Di Lillo	Consolidated Edison Co. of NY, Inc.	X
Member	Keith	Flowers	Siemens Industry, Inc.	X
Member	Monty	Goulkhah	Kinectrics Inc	
Member	John	Hall	Tennessee Valley Authority	
Member	John	Harley	FirstPower Group LLC	X
Member	Victor	Hermosillo	GE Grid Solutions	
Member	Jennifer	Hunter	MEPPI	
Member	Christopher	Jarnigan	Southern Company Services	X
Member	Thomas	Keels	kEElectric Engineering	X
Member	Albert	Livshitz	CE Power Engineered Services	
Member	Steven	May	Southern Company	
Member	Dave	Mitchell	Mitch and Associates	X
Member	Andrew	Peterson	ABB	
Member	Jeff	Scott	Ameren	
Member	Michael	Skidmore	AEP	X
Member	Jeffrey	Ward	Doble Engineering Company	X
Member	John	Webb	ABB	X
Guest	Andrew	Chovanec	G&W	X
Guest	Vincent	Marshall	Southern Company Services	X
Guest	Neil	McCord	KEC Precision	X
Guest	Carl	Schuetz	American Transmission Company (A	X
Guest	Wei	Zhang	Southern Company	X
Guest	Kevin	Sippel	Eaton	X
Guest	Andrew	Monroe	Southern Company	X
Guest	Elizabeth	Bray	Southern Company	X
Guest	Martin	Mucha	G&W	X
Guest	Oscar	Salas	Duke Energy	X
Guest	Miklos	Orosz	Myers Power	X
Guest	Christo	Thimas	Schneider Electric	X
Guest	Paul	Masterson	Meiden America Switchgear, Inc.	X
Guest	Jason	Cunningham	Southern States	X
Guest	Leo	Lopez	WIKA Instrument, LP	X
Guest	Don	Steigerwalt	Duke Energy	X
Guest	Ben	Hohnstadt	DTE Energy	X
Guest	Tom	Pellerito	DTE Energy	X
Guest	Arben	Bufl	Meiden America Switchgear, Inc.	X
Guest	Vernon	Toups	Siemens	X
Guest	Tony	Ricciuti	Eaton	X
Guest	Brad	Leccia	Eaton	X
Guest	Tanner	Esco	Eaton	X
Guest	Mary	Owens	Eaton	X

PC37.10

Spring 2022

Attendance

13-Apr-22

Role	First Name	Last Name	Company	04/13/22
Guest	Chris	Hestrutz	Eaton	X
Guest	Dean	Sigmon	Eaton	X
Guest	Paul	Shuller	First Power	X
Guest	Devki	Sharma	Entergy	X
Guest	Raj	Nayar	Siemens	X

PC37.010 Working Group

Spring 2022, Bonnet Creek, FL

April 13, 2022

Agenda

- Call Meeting to Order
- Introduction of Members & Guests, circulation of roster
- Review IEEE Patent and Copyright Policy slides
- Attendance and Quorum Check
- Agenda Review and Approval
- Approval of minutes of previous meetings (Fall 2021)
- PAR Status
- Review of draft
- Other Discussion/New Business
- Adjourn

PARTICIPANTS HAVE A DUTY TO INFORM THE IEEE

- Participants shall inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
- Participants should inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims

**Early identification of holders of potential
Essential Patent Claims is encouraged**

WAYS TO INFORM IEEE

- **Cause an LOA to be submitted to the IEEE SA (patcom@ieee.org); or**
- **Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or**
- **Speak up now and respond to this Call for Potentially Essential Patents**

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

OTHER GUIDELINES FOR IEEE WORKING GROUP MEETINGS

- All IEEE SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.
 - Don't discuss the interpretation, validity, or essentiality of patents/patent claims.
 - Don't discuss specific license rates, terms, or conditions.
 - Relative costs of different technical approaches that include relative costs of patent licensing terms may be discussed in standards development meetings.
 - Technical considerations remain the primary focus.
 - Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.
 - Don't discuss the status or substance of ongoing or threatened litigation.
 - Don't be silent if inappropriate topics are discussed. Formally object to the discussion immediately.

For more details, see *IEEE SA Standards Board Operations Manual*, clause 5.3.10 and *Antitrust and Competition Policy: What You Need to Know* at <http://standards.ieee.org/develop/policies/antitrust.pdf>

PATENT-RELATED INFORMATION

The patent policy and the procedures used to execute that policy are documented in the:

- ***IEEE SA Standards Board Bylaws***
(<http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6>)
- ***IEEE SA Standards Board Operations Manual***
(<http://standards.ieee.org/develop/policies/opman/sect6.html#6.3>)

Material about the patent policy is available at
<http://standards.ieee.org/about/sasb/patcom/materials.html>

**If you have questions, contact the IEEE SA
Standards Board Patent Committee
Administrator at patcom@ieee.org**

IEEE SA
STANDARDS
ASSOCIATION



IEEE SA COPYRIGHT POLICY

NOVEMBER 2019

 **IEEE**

IEEE SA COPYRIGHT POLICY

By participating in this activity, you agree to comply with the IEEE Code of Ethics, all applicable laws, and all IEEE policies and procedures including, but not limited to, the IEEE SA Copyright Policy.

- Previously Published material (copyright assertion indicated) shall not be presented/submitted to the Working Group nor incorporated into a Working Group draft unless permission is granted.
- Prior to presentation or submission, you shall notify the Working Group Chair of previously Published material and should assist the Chair in obtaining copyright permission acceptable to IEEE SA.
- For material that is not previously Published, IEEE is automatically granted a license to use any material that is presented or submitted.

IEEE SA COPYRIGHT POLICY

- The IEEE SA Copyright Policy is described in the IEEE SA Standards Board Bylaws and IEEE SA Standards Board Operations Manual
 - IEEE SA Copyright Policy, see
 - Clause 7 of the IEEE SA Standards Board Bylaws
<https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7>
 - Clause 6.1 of the IEEE SA Standards Board Operations Manual
<https://standards.ieee.org/about/policies/opman/sect6.html>
- IEEE SA Copyright Permission
 - <https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/permissionltrs.zip>
- IEEE SA Copyright FAQs
 - <http://standards.ieee.org/faqs/copyrights.html/>
- IEEE SA Best Practices for IEEE Standards Development
 - http://standards.ieee.org/develop/policies/best_practices_for_ieee_standards_development_051215.pdf
- Distribution of Draft Standards (see 6.1.3 of the SASB Operations Manual)
 - <https://standards.ieee.org/about/policies/opman/sect6.html>

IEEE SA COPYRIGHT POLICY

- The IEEE SA Copyright Policy is described in the IEEE SA Standards Board Bylaws and IEEE SA Standards Board Operations Manual
 - IEEE SA Copyright Policy, see
 - Clause 7 of the IEEE SA Standards Board Bylaws
<https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7>
 - Clause 6.1 of the IEEE SA Standards Board Operations Manual
<https://standards.ieee.org/about/policies/opman/sect6.html>
- IEEE SA Copyright Permission
 - <https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/permissionltrs.zip>
- IEEE SA Copyright FAQs
 - <http://standards.ieee.org/faqs/copyrights.html/>
- IEEE SA Best Practices for IEEE Standards Development
 - http://standards.ieee.org/develop/policies/best_practices_for_ieee_standards_development_051215.pdf
- Distribution of Draft Standards (see 6.1.3 of the SASB Operations Manual)
 - <https://standards.ieee.org/about/policies/opman/sect6.html>

Participant behavior in IEEE-SA activities is guided by the IEEE Codes of Ethics & Conduct

- All participants in IEEE-SA activities are expected to adhere to the core principles underlying the:
 - [IEEE Code of Ethics](#)
 - [IEEE Code of Conduct](#)
- The core principles of the IEEE Codes of Ethics & Conduct are to:
 - *Uphold the highest standards of integrity, responsible behavior, and ethical and professional conduct*
 - *Treat people fairly and with respect, to not engage in harassment, discrimination, or retaliation, and to protect people's privacy.*
 - *Avoid injuring others, their property, reputation, or employment by false or malicious action*
- The most recent versions of these Codes are available at <http://www.ieee.org/about/corporate/governance>

Participants in the IEEE-SA “*individual process*” shall act independently of others, including employers

- The [IEEE-SA Standards Board Bylaws](#) require that “*participants in the IEEE standards development individual process shall act based on their qualifications and experience*”
- This means participants:
 - **Shall act & vote** based on their personal & independent opinions derived from their expertise, knowledge, and qualifications
 - **Shall not act or vote** based on any obligation to or any direction from any other person or organization, including an employer or client, regardless of any external commitments, agreements, contracts, or orders
 - **Shall not direct** the actions or votes of other participants or retaliate against other participants for fulfilling their responsibility to act & vote based on their personal & independently developed opinions
- By participating in standards activities using the “*individual process*”, you are deemed to accept these requirements; if you are unable to satisfy these requirements then you shall immediately cease any participation

IEEE-SA standards activities shall allow the fair & equitable consideration of all viewpoints

- The [IEEE-SA Standards Board Bylaws](#) (clause 5.2.1.3) specifies that *“the standards development process shall not be dominated by any single interest category, individual, or organization”*
 - This means no participant may exercise *“authority, leadership, or influence by reason of superior leverage, strength, or representation to the exclusion of fair and equitable consideration of other viewpoints”* or *“to hinder the progress of the standards development activity”*
- This rule applies equally to those participating in a standards development project and to that project’s leadership group
- Any person who reasonably suspects that dominance is occurring in a standards development project is encouraged to bring the issue to the attention of the Standards Committee or the project’s IEEE-SA Program Manager

Attendance and Quorum Check

Members = 21

Quorum = 11

Role	Participation Status	First Name	Last Name
Chair	Active	Neil	Hutchins
Secretary	Active	Todd	Irwin
Member	Active	John	Billings
Member	Active	Michael	Crawford
Member	Active	Patrick	Di Lillo
Member	Active	Keith	Flowers
Member	Active	Monty	Goulkhah
Member	Active	John	Hall
Member	Active	John	Harley
Member	Active	Victor	Hermosillo
Member	Active	Jennifer	Hunter
Member	Active	Christopher	Jarnigan
Member	Active	Thomas	Keels
Member	Active	Albert	Livshitz
Member	Active	Steven	May
Member	Active	Dave	Mitchell
Member	Active	Andrew	Peterson
Member	Active	Jeff	Scott
Member	Active	Michael	Skidmore
Member	Active	Jeffrey	Ward
Member	Active	John	Webb

PAR Status

- **Approved Dec 2020**
- **Expires Dec 31, 2024**
- **C37.10-2011 - Inactive**

- WG Review of draft
 - Electronic vote to approve
- Request HVCB to go to ballot