

**WG 3-ph Padmount
Distribution Transformers
C57.12.34**

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Distribution Transformers
C57.12.34**

- **Welcome**



Ron Stahara

MARCH 9, 1941 –
SEPTEMBER 15, 2019

Agenda

- **Welcome**
- **Roster**
- **Introduction of Members and Guests**
- **Quorum Verification**
- **Approval of Agenda**
- **Approval of the Minutes of the Last Meeting**
- **Essential Patent Statement**
- **Copyright Policy Statement**
- **Old Business:**
 - Continue the review of Draft 2.4 Annex
- **New Business**
- **Adjourn**

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Quorum Verification

Jerry	Allen	Gael	Kennedy	Stephen	Shull
James	Antweiler	Gary	King	Igor	Simonov
James	Armstrong	Brian	Klaponski	Edward	Smith
Israel	Barrientos	Weijun	Li	James	Spaulding
David	Blew	Parry	Lively	Ronald	Stahara
Thomas	Callsen	Alejandro	Macias	Wes	Suddarth
Paul	Chisholm	Terence	Martin	Christopher	Sullivan
Rhett	Chrysler	Rhea	Montpool	Liz	Sullivan
John	Crotty	Charles	Morgan	Babanna	Suresh
Michael	Dahlke	Michael	Morgan	Giuseppe	Termini
Craig	DeRouen	Gianetta	Morrow	Eric	Theisen
Anil	Dhawan	Daniel	Mulkey	Michael	Thibault
James	Dorsten	Jerry	Murphy	Alan	Traut
Matthew	Enders	Miguel	Osuna	Donnie	Trivitt
Fredric	Friend	Gerald	Paiva	Reinaldo	Valentin
Jose	Gamboa	Dwight	Parkinson	Jeremy	Van Horn
Benjamin	Garcia	Juan	Ramirez	John	Vartanian
Carlos	Gaytan	Martin	Rave	Bruce	Webb
Ali	Ghafourian	Steven	Schappell	Lee	Welch
Said	Hachichi	Denny	Scoby	Alan	Wilks
Kenneth	Hampton	Pugazhenth	Selvaraj	Joshua	Yun
Michael	Hardin	Jaber	Shalabi		

33 to get quorum

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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.

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 WG 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 ... do formally object.

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**

As you have seen in these last four slides, the IEEE's patent policy is described in Clause 6 of the *IEEE-SA Standards Board Bylaws*.

Early identification of patent claims which may be essential for the use of standards under development is strongly encouraged;

There may be Essential Patent Claims of which IEEE is not aware. Additionally, neither IEEE, the WG, nor the WG Chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development. Therefore, 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 under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, AOL, please respond at this time by providing relevant information to the WG Chair.

The WG Secretary will record in the minutes that;

1. The foregoing information was provided and displayed for the working group.
2. That the chair or designer provided an opportunity for participants to identify patent claims of which they are personally aware and that may be essential for the use of that standard; and
3. Any responses that were given, specifically the patent or the patent application claim(s) that were identified (if any) and by whom.

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's copyright policy is described in Clause 7 of the *IEEE-SA Standards Board Bylaws* and Clause 6.1 of the *IEEE-SA Standards Board Operations Manual*;

Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE-SA Copyright Policy;

The Secretary will record that the foregoing information was provided and that the copyright slides were shown.

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 Bylaw*
<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>

This slide provides the website locations for further information.

Now we will not leave this up, but I am handing out this information to be pasted around the working group for your review so that anyone interested can copy the website location information.

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Suggested NOTE –

There are certain natural events which can lead to an increase in dissolved acetylene and other high temperature gases, complicating the interpretation of insulating fluid analysis. The following are known examples where accessories can cause an otherwise healthy liquid filled transformer to show signs of explainable acetylene gas, that was not present when shipped from the factory:

1. Operation of an open element, internal expulsion fuse such as the Bayonet or a block-mounted cartridge fuse. Melting of the fuse element and the subsequent extinguishing of the arc are in direct contact with the insulating fluid causing the creation of hot metal and arcing gases.
2. Any operation of a sectionalizing or load-break switch, when a transformer is energized, will result in under-fluid arcing and the creation of acetylene. While arcing from the making or breaking is only a few cycles in duration, it is enough to create acetylene gas.

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