

**C57.12.35**  
**Bar Coding Distribution**  
**Transformers and Step Voltage**  
**Regulators**

# C57.12.35 Agenda

1. **Meeting Operation**
2. IEEE SA Patent & Copyright Policy
3. Chair Report
4. Membership & Poll for Quorum
5. Approval of Agenda
6. Approval of Previous Minutes
7. Old Business
  - A. TF Report – Editorial review Comment 7
  - B. TF Report – QR code integration of C57.12.37 data sample
8. New Business
  - A. Request for new manufacturer code
  - B. Terminology – producer vs. manufacturer
9. Next Meeting Announcement
10. Adjourn

# 1. Meeting Operation

- Please keep your audio muted unless you are speaking to the group. Video participation is not required.
- We will monitor the chat box if you want to comment without speaking or we will recognize you to speak to the group.
- Membership poll is for everyone including guests. Voting polls regarding motions are members only. When voting please make sure to click submit.

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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

# 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.

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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](mailto:patcom@ieee.org)**



# **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](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>

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# 3. Chair Report

- Vice Chair vacancy
- Working Group progress/status
  - Published 2013
  - Rev. due 12/31/2023
  - PAR exp. 12/31/2023

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## 4. Membership & Poll for Quorum

### Member:

- Request membership at the first meeting of the WG.
- Attend 2 consecutive meetings and request membership. Membership is granted following the 2<sup>nd</sup> meeting.
- Miss 2 consecutive meetings and you may be removed from membership.
- Special circumstances will be considered.

### Guest:

Any attendee that is not a member.

# C57.12.35 Bar Coding Transformers

## 24 Members

Glenn Andersen	Ken Hampton	Steve Shull
Hugo Avila	Ramadan Issack	Ed Smith
Israel Barrientos	Gary King	Mike Thibault
Darren Brown	Brad Kittrell	Alan Traut
Rhett Chrysler	Alejandro Macias	
Craig DeRouen	Lee Matthews	
Matt Enders	Michael Morgan	
Jean-Francois Gagnon	Dan Mulkey	
Carlos Gaytan	Jerry Murphy	
Rob Ghosh	Avijit Shingari	

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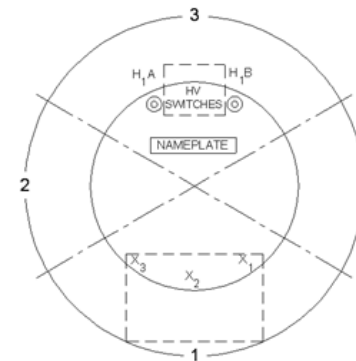
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# TF report – Editorial changes to D1

- Comment 7
- Figure 7: Unlike Figures 4, 5, 6, 9, this figure gives no indication of where the label should be located vertically on the side of the tank. Shouldn't it indicate this?

#### 4.3.4.1.4 Temporary [bar-codebar code](#) label location on single-phase subsurface transformers

The temporary [bar-codebar code](#) label shall be located on the side of the transformer in Section 1 or Section 3. See Figure 7.



Locate Temporary Bar Code Label on Side of Tank in Section 1 or 3

Figure 7—Temporary [bar-codebar code](#) label location on single-phase subsurface transformers

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# TF report – QR code

- Presentation – Israel Barrientos
- Next steps?
  - Inclusion
  - Information requirements
  - Format requirements

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## A. C57.12.35 and C57.12.37 terminology consistency

- Discussing modifying C57.12.35 terminology to refer to “producer serial number” and “producer” vs. “equipment serial number” and “manufacturer”
- This would be consistent with C57.12.37 (electronic reporting) terminology (24 instances)
- Reference 4.3.2.1.2

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## B. New manufacturer listing

- Requested by: Gilbert Kozer
- Northeast Transformer Services
  - Transformer repair company
  - Request code “NS”
  - <https://northeasttransformer.com/>

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# C57.12.35 Bar Coding Transformers Future Meetings

Fall 2021 – Milwaukee, Wisconsin USA,  
October 17-21, 2021

Spring 2022 – Denver, Colorado USA,  
March 27 – 31, 2022

Fall 2022 – Charlotte, North Carolina USA,  
October 16-20, 2022

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# Examples of QR Codes containing C57.12.37 EDR Data

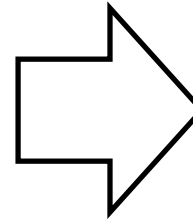
C57.12.35 Working Group

The STANDARD DATA SET defined in the Electronic Data Reporting Standard (C57.12.37):

```

1_ACME_ELECTRIC_UTILITY
ORDER_NO:_123456789012345
STOCKNO:999999
PG
ORDER:88888888
CATALOG:7777777
SERIAL:666666
PM
3
0003000
HVVOLTAGECODE:_____34500GRY/19920
LVVOLTAGECODE:_____480Y/277
-
001000
04000
5.75
0.50
00900
003750
5.75
0.50
0.500
8000
KG
2021/04__
ORDERNO
  
```

Can be encoded into



Which can be read with any  
camera-enabled smartphone:




**Go ahead, try it  
with  
your smartphone  
!**

The STANDARD DATA SET **AND** the ADDITIONAL DATA SET defined in the Electronic Data Reporting Standard (C57.12.37):

1_ACME_ELECTRIC_UTILITY	Release_9999
ORDER_NO:_123456789012345	Apodaca_MX
STOCKNO:999999	GA
PG	05.00
ORDER:88888888	00.25
CATALOG:7777777	60
SERIAL:666666	ONAN/ONAN
PM	___65
3	___VG-100
0003000	85
HVVOLTAGECODE:_____34500GRY/1	20
9920	THIS_IS_A_RESERVED_SPACE_FIELD_____
LVVOLTAGECODE:_____480Y/277	THIS_IS_A_148_CHARACTER_LONG_FREE_FORMAT_TEXT_FIEL
—	D_____
01000	_____
004000	A
5.75	99.85
0.50	99.86
00900	
003750	
5.75	
0.50	
0.500	
8000	
KG	
2021/04_	
__ORDER	



These **Data Sets** can be BOTH encoded into this QR  
 Ref:  Code aka <http://goqr.me/>