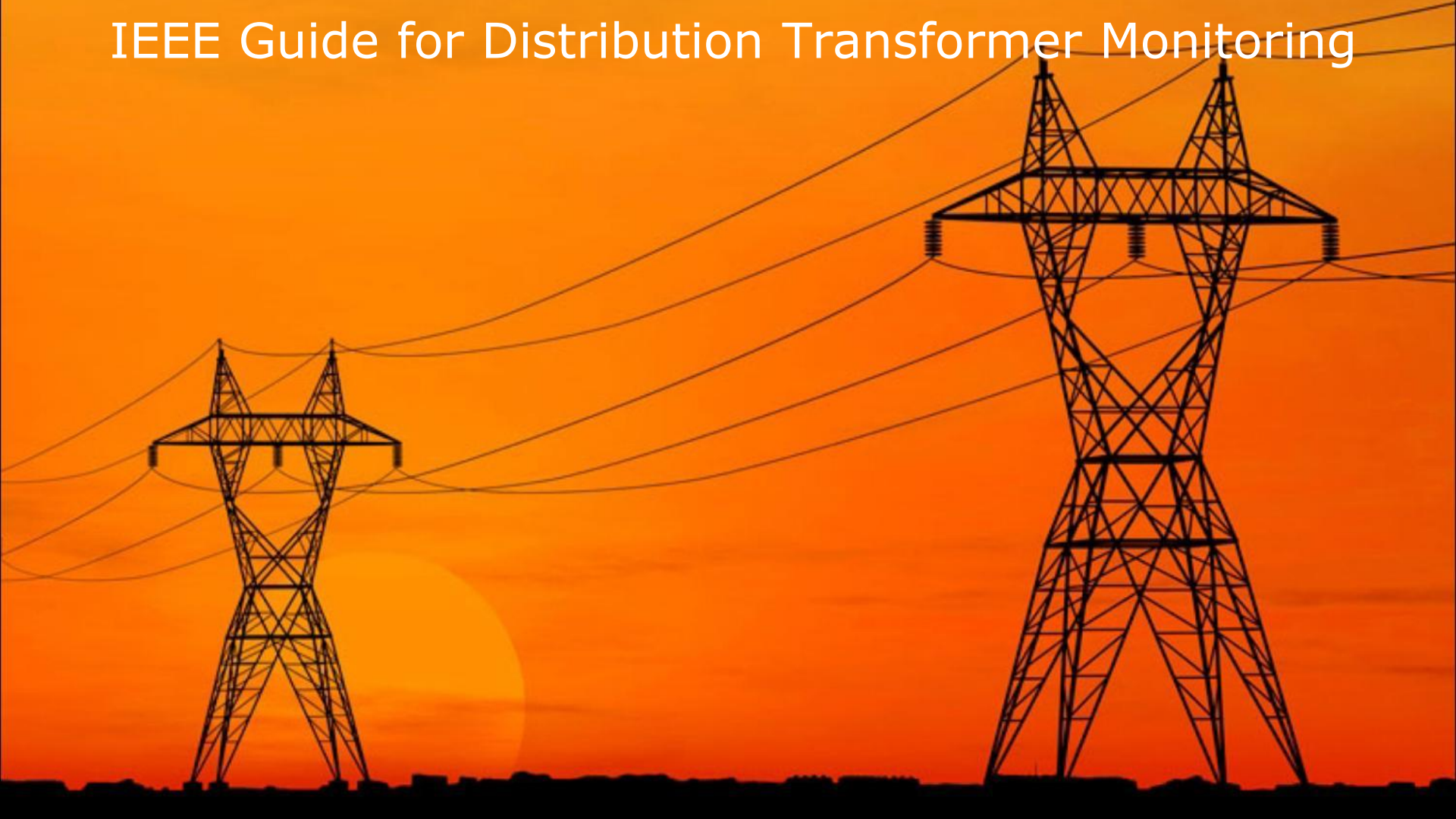


# PC57.167

## IEEE Guide for Distribution Transformer Monitoring



# 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>

# PAR

- **Title**

IEEE Guide for Distribution Transformer Monitoring

- **Scope**

This guide covers identification of the key measurable parameters that can be monitored for obtaining an indication of the condition of liquid-immersed distribution transformers.

# Obligatory Clauses

## 1.0 Overview

## 2.0 Normative References

## 3.0 Definitions

# Proposed Clauses

## 4.0 Justification for monitoring:

**The rational to use to justify monitoring. Should not mention actual monetary values.**



# Proposed Clauses

## **5.0 Key monitoring parameters:**

**Includes the must haves and nice to haves**

## **6.0 Methods for local alert:**

**When needed how do you get someone to phone in.**

## **7.0 Telemetry:**

**Requirements to get monitoring alerts to take action.**



# Proposed Clauses

**8.0 Monitor enclosure integrity and user access:**

**Enclosure rating**

**9.0 Installation:**

**Ways to mount the enclosure and sensors**