



## IEEE P1564 Voltage Sag Indices Task Force Meeting

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# IEEE P1564 Task Force Meeting

## Agenda

- Introductions
- Patent Notice
- Task Force Overview
- Updates to Web Site
- Minutes from Vancouver Meeting
- Results of P1564/D19 Recirculation Ballot
- Submission to RevCom
- Next Steps and Next Meeting

## Participants, Patents, and Duty to Inform

- All participants in this meeting have certain obligations under the IEEE-SA Patent Policy.
  - Participants [Note: Quoted text excerpted from IEEE-SA Standards Board Bylaws subclause 6.2]:
    - “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
      - “Personal awareness” means that the participant “is personally aware that the holder may have a potential Essential Patent Claim,” even if the participant is not personally aware of the specific patents or patent claims
    - “Should inform the IEEE (or cause the IEEE to be informed)” of the identity of “any other holders of such potential Essential Patent Claims” (that is, third parties that are not affiliated with the participant, with the participant’s employer, or with anyone else that the participant is from or otherwise represents)
  - The above does not apply if the patent claim is already the subject of an Accepted Letter of Assurance that applies to the proposed standard(s) under consideration by this group
  - Early identification of holders of potential Essential Patent Claims is strongly encouraged
  - No duty to perform a patent search



## 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 (LOA):
  - Either speak up now, 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
  - Cause an LOA to be submitted



## Patent Related Links

- All participants should be familiar with their obligations under the IEEE-SA Policies & Procedures for standards development.
- Patent Policy is stated in these sources:
  - IEEE-SA Standards Boards Bylaw
  - <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) or visit <http://standards.ieee.org/about/sasb/patcom/index.html>

This slide set is available at <https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset>.



## 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.
  - Do not discuss the interpretation, validity, or essentiality of patents/patent claims.
  - Do not discuss specific license rates, terms, or conditions.
    - Relative costs, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.
      - Technical considerations remain primary focus
  - Do not discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.
  - Do not discuss the status or substance of ongoing or threatened litigation.
  - Do not be silent if inappropriate topics are discussed ... do formally object.
- See IEEE-SA Standards Board Operations Manual, clause 5.3.10 and “Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association’s Antitrust and Competition Policy” for more details.



# IEEE P1564 Task Force Overview

## IEEE Power & Energy Society

- Transmission and Distribution Committee
  - Power Quality Subcommittee
    - Working Group on Power Quality Solutions
      - P1564 Task Force on Voltage Sag Indices

# IEEE P1564 Task Force Overview

## Status

- Title
  - IEEE Guide for Voltage Sag Indices
- Scope
  - This guide identifies appropriate voltage sag indices and characteristics as well as the methods for calculating them. Methods are provided for quantifying the severity of individual events (single-event characteristics), for quantifying the performance at a specific location (single-site indices), and for quantifying the performance of the whole system (system indices). Multiple methods are presented for each. The methods are appropriate for use in transmission, distribution, and utilization electric power systems.
- Purpose
  - This document identifies and defines different characteristics and indices. It does not recommend the use of a specific set of indices, but instead recommends the method for calculating specific indices when such an index is used. The large variation in customers sensitive to voltage sags and power providers supplying them makes it impossible to prescribe a specific set of indices. Instead this document aims at assisting in the choice of index and ensuring reproducibility of the results after a certain index has been chosen. The user of this document may decide to calculate the value for just one index or for a number of different indices, depending on the application.
- Chair: Dan Sabin
- Secretary: Rich Bingham
- Web Site: <http://grouper.ieee.org/groups/sag/>

# Minutes from IEEE P1564 Task Force Meeting on July 23, 2013

- Meeting was attended by about fifteen people in Vancouver, British Columbia.
- The P1564 Chair reported results of ballot of IEEE P1564/D18
- Prior to the face-to-face meeting, a small group of task force members edited the IEEE P1564 document in response to the ballot comments.
- Vancouver meeting attendees reviewed the comments with particular focus on the technical comments.
- Chair agreed to prepare a new draft for a recirculation ballot (IEEE P1564/D19) and to initiate a recirculation by mid September.

# Results of Ballot of IEEE P1564/D18

- Open Date: January 2, 2013
- Close Date: February 2, 2013
- Voter Total Size: 108
- Response Rate: 86% (75% required)
- Approval Rate: 98% (75% of responses required)
  - 1 balloter disapproved the draft
- Abstain Rate: 7%
- Comments: 98

# Resolution of Comments and Recirculation

- Comments from ballot of P1564/D18 were reviewed by Task Force Members Dan Sabin, Rich Bingham, and Theo Laughner in July 2013.
- All comments were reviewed; many resulted in minor changes in the guide. Some were rejected.
- At the July 2013 face-to-face method, the meeting attendees reviewed the comments and made decisions related to revision and responses.
- The P1564 Chair finalized a comments disposition file in October 2013
- IEEE P1564/D19 was recirculated from October 22 to November 1, 2013.



# Results of Ballot of IEEE P1564/D19

- Open Date: October 22, 2013
- Close Date: November 1, 2013
- Number of Negative Votes: 0
- Number of Comments: 1
  - Change “this doesn't not affect” to “this does not affect”.
- Comment Resolution
  - Comment Rejected
    - “This change is editorial nature and the task force defers to the editorial staff of IEEE to make this change during final review and publication.”

# Submission of IEEE P1564 to IEEE RevCom

- Chair submitted IEEE P1564/D19 to IEEE Review Committee (RevCom) on November 4, 2013
- On November 6, 2013, IEEE P1564/D19 was assigned to the agenda for the March 26, 2014 meeting of IEEE RevCom
  - RevCom makes recommendations on the approval or disapproval of standards submitted for IEEE Standards Association

# PAR Extension of IEEE P1564

- The Project Authorization Request (PAR) for IEEE P1564 was scheduled to expire on December 31, 2013.
- The P1564 Chair submitted an extension request to IEEE New Standards Committee (NesCom) to extend the PAR for IEEE P1564 for one year to allow action by IEEE RevCom.
- On December 11, 2013, IEEE NesCom approved the PAR extension for IEEE P1564 until December 31, 2014.

# What's Next for Voltage Sag Indices Task Force?

- Should we organize a panel session on voltage sag indices for the 2015 IEEE PES General Meeting in Denver?
  - Overview Presentation of IEEE 1564
  - Three Presentations on IEEE 1564 Applications or Case Studies
    - Power Provider
    - Consultant
    - University
  - Presentation on IEC Voltage Sag Indices Methods
- Should we embark on a revision of IEEE P1564 in 2016?

# Next P1564 Task Force Meeting

- 2014 IEEE PES General Meeting
  - Monday, July 28, 2014
  - National Harbor, Maryland, USA