



IEEE P1564 Voltage Sag Indices Task Force Meeting

Chair: Daniel Sabin
Electrotek Concepts, Inc.
d.sabin@ieee.org



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National Harbor, Maryland, USA

IEEE P1564 Task Force Meeting

- Project Title: IEEE Guide for Voltage Sag Indices
- Chair: Dan Sabin
- Secretary: Rich Bingham
- Agenda
 - Introductions
 - Patent Notice
 - Task Force Overview
 - P1564/D19 Status
 - Recent Promotion Activity
 - 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 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

IEEE Power & Energy Society

- Transmission & Distribution Committee

<http://grouper.ieee.org/groups/td/>

- Power Quality Subcommittee

<http://grouper.ieee.org/groups/td/pq/>

- Working Group on Power Quality Monitoring

<http://grouper.ieee.org/groups/1159/>

- P1564 Task Force on Voltage Sag Indices

<http://grouper.ieee.org/groups/sag/>

IEEE Std 1564-2014 Status

- Draft 18 of IEEE P1564 Balloted in January 2013
 - Voter Total Size: 108
 - Response Rate: 86% (75% required)
 - Approval Rate: 98% (75% of responses required)
 - Number of Comments: 98
- Draft 19 of IEEE P1564 Recirculated in October 2013
 - Number of Negative Votes: 0
- Draft 19 of IEEE P1564 Submitted to IEEE Review Committee (RevCom) in November 2013 (Completed Action Item)
- Draft 19 of IEEE P1564 Approved by RevCom on 27 March 2014
- IEEE Std 1564 Published on 18 June 2014!

IEEE Std 1564-2014

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.

IEEE STANDARDS ASSOCIATION



IEEE Guide for Voltage Sag Indices

IEEE Power and Energy Society

Sponsored by the
Transmission and Distribution Committee

IEEE
3 Park Avenue
New York, NY 10016-5997
USA

IEEE Std 1564™-2014

Recent Promotion of IEEE Std 1564-2014

Conference Paper

- 2014 IEEE International Conference on Harmonics and Quality of Power (ICHQP)
- May 2014, Bucharest, Romania
- “Overview of IEEE Std 1564-2014 Guide for Voltage Sag Indices” by Daniel Sabin and Math Bollen

Conference Presentation

- 2014 EPRI Smart Distribution and Power Quality Conference
- June 2014, Charlotte, North Carolina, USA
- “Overview of IEEE Std 1564-2014 Guide for Voltage Sag Indices” by Jerry Olechiw and Daniel Sabin

What's Next for IEEE P1564 Task Force?

Panel Session at 2015 IEEE PES General Meeting in Denver

- Five 20-Minute Presentations
- Overview of IEEE Std. 1564-2014
- Application of Voltage Sag Indices by a Power Provider
 - either 1 or 2 presentations
- Application of Voltage Sag Indices for Research Benchmarking
- Application of Voltage Sag Indices in Academic Research
- Presentation on Voltage Sag Indices Methods in IEC or CIGRÉ/CIREN

Next P1564 Task Force Meeting

- 2015 IEEE PES Joint Technical Committee Meeting
- Monday, 12 January 2015
- Orange Grove, California, USA

