



IEEE P1564 Voltage Sag Indices Task Force Meeting

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IEEE P1564 Task Force Meeting

Agenda

- Task Force Overview
- Draft Status
- Review Document

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.
- PAR Status
 - In February 2007 the IEEE-SA Standards Board approved the project until December 31, 2011.
- Web Site
 - <http://grouper.ieee.org/groups/sag/>

Task Force Activity in 2011

Formation of Ballot Pool and New Drafts

- Ballot pool formed in January 2011 at P1564 Task Force Meeting in Atlanta. Closed on February 10, 2011.
- IEEE P1564 Draft 14 completed in July 2011 and distributed at P1564 task force meeting in Detroit.
- Ballot pool reopened in July 2011 after P1564 Task Force Meeting in Atlanta. Closed on August 20 with 110 responses
- Feedback returned in July and August 2011 resulted in two more drafts, which are posted to the web site.
 - <http://grouper.ieee.org/groups/sag/drafts.html>

IEEE P1564 Ballot Invitation

Eligible Voters Classification

Classification	Eligible Voters	Percent
Academic	2	1.7%
General Interest	42	36.2
Government/Military	9	7.8%
Producer	8	6.9%
User	55	47.4%
Total	116	100.0%

Task Force Activity in 2011

- Draft 16 was submitted to IEEE Standards for its pre-ballot mandatory editorial coordination (MEC) in November 2010. This draft is also posted on the web site.
- Feedback was returned from IEEE Standards on December 12.

IEEE P1564 Mandatory Editorial Coordination Feedback

Issues to Resolve before the P1564 Ballot Begins

- Copyright
 - If applicable, all copyright permission for excerpted text, tables, and figures shall be submitted to the IEEE prior to the start of ballot. If there are missing permission response letters, please submit them immediately to your staff liaison.
- General
 - The draft shall be complete with no missing figures, tables, equations, text, etc.

Items/Issues that Shall be Resolved before the Final Recirculation

Trademarks or Service Marks

- Please review the use of trademarks in the draft, if applicable. References to commercial equipment or products in a standard shall be generic and shall not include trademarks or other proprietary designations. Where a sole source exists for essential equipment or materials, it is permissible to supply the name of the trademark owner in a footnote. The proper use guidelines for trademarks shall be determined by the trademark owner. Trademark owners must grant written permission before their trademarks may be referenced in a standard.
- Trademarks or other proprietary designations that are not commercial equipment or products should be avoided in standards. If used however, all trademarks shall be credited to the trademark owner in the front matter of the standard. The following text shall introduce any mention of specific trademark information:
 - “The following information is given for the convenience of users of this standard and does not constitute an endorsement by the IEEE of these products. Equivalent products may be used if they can be shown to lead to the same results.”

Items/Issues that Shall be Resolved before the Final Recirculation

Graphics

- Figures in IEEE standards are printed in black ink only.
 - Please make sure that the colored graphics in this draft do not lose their meaning or clarity when the color is absent.
 - Please provide separate electronic files of figures.

Items/Issues that Shall be Resolved before the Final Recirculation

Normative References and Bibliography

- Please rename Clause 2 as “Normative references.”
- Please replace the introductory paragraph of Clause 2 with the following:
 - “The following referenced documents are indispensable for the application of this document (i.e., they must be understood and used, so each referenced document is cited in text and its relationship to this document is explained). For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments or corrigenda) applies.”

Items/Issues that Shall be Resolved before the Final Recirculation

- Please consider removing the years from the standards listed in Clause 2. Unless users of the standard need to use that exact publication of the standard as a reference, you can leave the year off, which allows users to automatically reference the most recent version of the standard.
- If you choose to keep the year in the referenced standards, please make sure it is the correct year.
- All sources listed in Clause 2 shall be normatively referenced within the body of the document. Please move any standard that is not referenced within the document to the informative bibliography.
- The bibliography should appear as informative Annex E.
- The entries in the bibliography should be arranged alphabetically and cross referenced throughout so that if the order changes the number will automatically update within text.
- In text, bibliographical references should be referenced using the author's name, organization, or product designation followed by the bibliography number in square brackets.
 - See Cantone et al. [B1] or see Handbook of Standard Terminology for the Power Sources Industry [B4] or see IEEE Std C37.23™-2003 [B20].

Items/Issues that Shall be Resolved before the Final Recirculation

Definitions Clause

- Please replace the introductory paragraph with the following (including the footnote):
 - For the purposes of this document, the following terms and definitions apply. The IEEE Standards Dictionary: Glossary of Terms & Definitions should be referenced for terms not defined in this clause.¹
 - The terms in the definitions clause are no longer required to be numbered. Numbering may be removed.

Items/Issues that Shall be Resolved before the Final Recirculation

Annexes

- All annexes shall be labeled as “normative” or “informative”.
- Normative text means information that is required to implement the standard and is therefore officially part of the standard. Informative text is provided for information only and is therefore not officially part of the standard.
- Figures and tables within annexes should not continue the numbering from the body of the standard. Figures and tables included in annexes should carry the identifying letter of the annex in which they appear, followed by a period. For example, the first figure in Annex A should be identified as Figure A.1.

Task Force Activity in 2011

PAR Extension

- The PAR for IEEE P1564 was set to expire in December 2010. We applied for an extension in November and had three comments from NesCom Members that required responses.
- In December 2010, IEEE NesCom approved our request for an extension until December 2013.

Next Steps for IEEE P1564

- Review use of trademarks.
- Obtain permission letters where necessary.
- Obtain or produce file version of all graphics
- Review use of color in figures.
- Check with IEEE Standards to see if it would be wise to reopen ballot pool one more time.
- Create ballot draft and upload it.
- Open first ballot.

Next Task Force Meeting

- IEEE/PES 2012 General Meeting
 - Monday, July 23, 2012
 - Manchester Grand Hyatt in San Diego