

IEEE P1564 Task Force on Distribution Voltage Sag Indices

2003 IEEE/PES Transmission &
Distribution Conference & Exposition

Hyatt Regency Dallas
Moreno AB Conference Room
September 11, 2003
4:00 to 6:00 PM

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

Committee Structure

- IEEE Power Engineering Society
 - IEEE Transmission and Distribution Committee
 - IEEE Power Quality Subcommittee
 - Working Group on Harmonics
 - Working Group on Monitoring Electric Power Quality
 - Working Group on Recommended Practice for Evaluating Electric Power System Compatibility with Electronic Process Equipment
 - Working Group on Distribution Voltage Quality
 - Task Force on Distribution Custom Power (P1409)
 - Task Force on Voltage Flicker (P1453)
 - **Task Force on Distribution Voltage Sag Indices (P1564)**
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IEEE P1564 Officers

□ IEEE/IAS Chair

- Math Bollen, m.bollen@ieee.org

□ IEEE/PES Chair

- Dan Sabin, d.sabin@ieee.org

□ Secretary and Webmaster

- Russ Ehrlich, russ.ehrlich@conectiv.com
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Proposed Agenda

- ☐ Welcome and Opening Remarks
 - ☐ Minutes from Last Meeting
 - ☐ Group Discussion of P1564 Draft 4
 - ☐ Action Items
 - ☐ Next Meeting
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Minutes from Last Meetings

- January 2003 Meeting in Las Vegas
 - July 2002 Meeting in Toronto
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IEEE P1564 PAR

☐ Title

- Recommended Practice for the Establishment of Voltage Sag Indices

☐ Project Scope

- This recommended practice identifies useful voltage sag indices for customers, vendors and the electric utilities. The document will identify the method of calculating such indices. The indices are intended to be applied to distribution substations, circuits and defined regions.
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IEEE P1564/D4 Chapters

1. Overview
 2. References
 3. Definitions
 4. Summary of the Procedure
 5. Voltage Sampling
 6. Event Characteristics versus Time
 - ♦ IEC 61000-4-30
 - ♦ three-phase measurements
 - ♦ phase-angle jump
 7. Single-Event Indices
 - ♦ IEC 61000-4-30
 - ♦ three-phase measurements
 - ♦ additional characteristics
 - ♦ single-index methods
 8. Site Indices
 - ♦ aggregation
 - ♦ SARFI
 - ♦ voltage-sag coordination chart
 - ♦ voltage-sag tables
 - ♦ single-index methods
 9. System Indices
 - ♦ site selection and weighting
 10. Bibliography
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Next Meetings

- IEEE/CIGRE Power Symposium on Security of Electric Power Delivery Systems
 - Montreal, October 7-10, 2003
 - IEEE T&D Committee Meeting
 - San Diego, January 2004
 - IEEE/PES 2004 General Meeting
 - Denver, Summer 2004
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