

IEEE-SA Standards Board Project Authorization Request (PAR) Form (1999-Rev1)

Note: For use with help hyperlinks offline, download guide.html and parsgn99.html into the same directory.

[Instructions for Downloading the PAR Form](#)

**1. Sponsor Date
of Request
[1999 Dec 15]**

**2. Assigned Project
Number
[P1564]**

**3. PAR Approval
Date
30 January 2000**

{Copyright release must be submitted with [appropriate signatures](#) by FAX (1-732-562-1571)}

[X] PAR Signature Page on File {IEEE Staff to check box}

4. Project Title, Recorder and Working Group/Sponsor for this Project

Document type and title: {Place an X in only one option below}

- [...] **Standard for** {document stressing the verb "shall"}
- [X] **Recommended Practice for** {document stressing the verb "should"}
- [...] **Guide for** {document in which good practices are suggested}

Title: [Recommended Practice for the Establishment of Voltage Sag Indices]

Name of Working Group (WG): [Voltage Quality Working Group]

Name of Official Reporter (usually the WG Chair) who must be an SA member as well as an IEEE/Affiliate Member: [Michael Sheehan]

		IEEE/Affiliate Member #	[06366587]
Company:	[Puget Sound Energy]	Telephone:	[206.224.2231]
Address:	[P.O. Box 97034 MER-04]	FAX:	[206.224.2318]
City/State/Zip:	[Bellevue, WA 98009-9734]	Email:	[msheeh@puget.com]

Name of Working Group Chair (if different than Reporter): [...]

		IEEE/Affiliate Member #	[...]
Company:	[...]	Telephone:	[...]
Address:	[...]	FAX:	[...]
City/State/Zip:	[...]	Email:	[...]

Name of Sponsoring Society and Committee: [PES/T&D Committee]

Name of Committee Sponsor Chair: [Karl N. Mortensen]

IEEE/Affiliate Member # [05578950]

Company:	[Great River Energy]	Telephone:	[612-241-2365]
Address:	[17845 U.S. Highway 10]	FAX:	[6120241-6165]
City/State/Zip:	[Elk River, MN 55330-0800]	Email:	[kmortensen@grenergy.com]

5. Describe This Project; Answer each of four questions below:

- [Update an existing PAR](#) [NO]
If YES, indicate PAR Number/Approval Date [P####-YEAR]
If YES, attach a cover letter indicating changes/rationale for changes.
If YES, is this project in ballot now? [yes/no]
 - [Choose](#) one from the following:
[X] New Standard
[...] Revision of existing Standard {number and year} [...]
[...] Amendment (Supplement) to an existing standard {number and year} [...]
[...] Corrigenda to an existing standard {number and year} [...]
 - [Choose](#) one from the following:
[X] Full Use (5-year life cycle)
[...] Trial Use (2-year life cycle)
 - [Choose](#) one from the following:
[X] Individual Sponsor Balloting
[...] Entity Sponsor Balloting
 - Fill in [Target Completion Date](#) to IEEE RevCom : [12/2001]
-

6. [Scope](#) of Proposed Project:

[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.]

7. [Purpose](#) of Proposed Project:

[Sag indices are needed to indicate the different performance levels experienced at the transmission, subtransmission, substation and distribution circuit levels. In addition, the characteristic exposure that a typical distribution system encounter needs to be quantified in order to guide manufacturers in the appropriate design of ride-through alternatives for user load equipment. The proposed standard should help utilities and manufactures to compute the advantages/disadvantages of various connections to the electrical system.

~~The standard will help users, equipment manufacturers, and utilities understand the economic benefits of mitigating voltage sags, and provide a forum for indices acceptable to all organizations. This proposed standard can provide a baseline to assess the number and severity of sags versus equipment sensitivity. An alternative for the sag index could be to set a minimum level of service for a sag index for transmission, subtransmission, substation, and distribution circuits.~~

Sag indices will be determined using the work of IEEE 1250-1995, Std 1159-1995, Std 1346-1998, Chapter 9 of IEEE Std 493, and recent surveys of power quality users and utility systems.]

8. Intellectual Property {Answer each of the questions below}

- Are you aware of any [patents](#) relevant to this project?
[No] { Yes, with detailed explanation below / No }
[...] {Explanation}
 - Are you aware of any [copyrights](#) relevant to this project?
[No] { Yes, with detailed explanation below / No }
[...] {Explanation}
 - Are you aware of any [trademarks](#) relevant to this project?
[No] { Yes, with detailed explanation below / No }
[...] {Explanation}
 - Are you aware of any [registration](#) of objects or numbers relevant to this project?
[No] { Yes, with detailed explanation below / No }
[...] {Explanation}
-

9. Are you aware of any other standards or projects with a [similar scope](#)?

[No] { Yes, with detailed explanation below / No }
[...] {Explanation}

10. [International Harmonization](#)

Is this standard planned for adoption by another international organization?
[??] { Yes/No/?? if you don't know at this time }
If Yes: Which International Organization[...]
If Yes: Include coordination in question 13 below
If No: Explanation[...]

11. Is this project intended to focus on [health, safety or environmental issues](#)?

[No] { Yes/No/?? if you don't know at this time }
If Yes: Explanation [...]

12. Proposed Coordination/Recommended Method of Coordination

a. [Mandatory Coordination](#)

SCC 10 (IEEE Dictionary) by **DR** {Circulation of **DR**afts }

IEEE Staff Editorial Review by **DR**

SCC 14 (Quantities, Units and Letter symbols) by **DR**

- [Coordination](#) requested by Sponsor:

[IAS] by [CO] {circulation of **DR**afts/**LI**aision memb/**CO**mmon memb }

[PES] by [CO] {circulation of **DR**afts/**LI**aision memb/**CO**mmon memb }

[IEC 77A WG1] by [DR] {circulation of **DR**afts/**LI**aision memb/**CO**mmon memb }

[UIE GW2] by [DR] {circulation of **DR**afts/**LI**aision memb/**CO**mmon memb }

[CIRED/CIGRE 02, Power Quality] by [DR] {circulation of **DR**afts/**LI**aison memb/**CO**mmon memb}

- [Coordination Requested by Others:](#)

[...] {added by staff}

13. Additional Explanation Notes: {Item Number and Explanation}

[...]{If necessary, these can be continued on additional pages }

The [PAR Copyright Release and Signature Page](#) must be submitted by FAX before this PAR will be sent on for NesCom and Standards Board approval.
