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23 August 2007

Karl N Mortensen
Great River Energy
17845 U.S. Highway 10
Elk River, MN 55330-0800
kmortensen@grenergy.com

Re: P1724 - Guide for the Preparation of a Transmission Line Design Criteria Document

Dear Karl:

I am pleased to inform you that on 22 August 2007 the IEEE-SA Standards Board approved the above referenced project until 31 December 2011. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/1724.pdf>.

Now that your project has been approved, please forward a roster of participants involved in the development of this project. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2i under Duties of the Sponsor which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

For your convenience, an Excel spreadsheet for your use has been posted on our website at <http://standards.ieee.org/guides/par/roster.xls>. Please forward this list to me via e-mail at s.hampton@ieee.org no later than 20 November 2007.

Please visit our website, IEEE Standards Development Online (<http://standards.ieee.org/resources/development/index.html>), for tools, forms and training to assist you in the standards development process. Also, we strongly recommend that a copy of your draft be sent to this office for review prior to the final vote by the working group to allow for a quick review by editorial staff before sponsor balloting begins.

If you should have any further questions, please contact me at +1 732 562 6003 or by email at s.hampton@ieee.org.

Sincerely,

Sherry Hampton
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Standards Activities
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PAR Request Date: 01 June 2007**PAR Approval Date:** 22 August 2007**PAR Signature Page on File:** Yes**Type of PAR:** New IEEE Standard**Status:** PAR for a New IEEE Standard**Root Project:****1.1 Project No.:** 1724**1.2 Type of Document:** Guide**1.3 Life Cycle:** Full-Use**1.4 Is this document in ballot now?** No**2.1 Title**

Guide for the Preparation of a Transmission Line Design Criteria Document

3.1 Working Group Name [Overall Line Design Working Group](#)**Working Group Chair**[Collins, Richard N](#)

Phone: 517-788-3971

Email: rncollins@cai-engr.com

Working Group Vice Chair**3.2 Sponsor**[IEEE Power Engineering Society Transmission and Distribution \(PE/T&D\)](#)**Sponsor Chair**[Wolf, Gene](#)

Phone: 505-898-2142

Email: gw_engr@msn.com

Name of Standards Liaison Representative (if applicable)[Mortensen, Karl N](#)

Phone: 763-241-2365

Email: kmortensen@grenergy.com

3.3 Joint Sponsor**4.1 Type of Ballot:** Individual**4.2 Expected Date of Submission for Initial Sponsor Ballot:** October 2008**4.3 Projected Completion Date for Submittal to RevCom:** October 2009**5.1 Approximate number of people expected to work on this project:** 6**5.2 Scope:** This Guide provides a template to assist line design engineers in gathering information and organizing it into a coherent Design Criteria Document for use in the design of overhead electric power transmission lines, generally at voltages of 69kV and higher. The guide will also be useful for the design of lower voltage lines.**5.3 Is the completion of this document contingent upon the completion of another document?** No**5.4 Purpose:** This Guide assists in application to engineers for the preparation of a Design Criteria document used for overhead transmission lines. A Design Criteria documents the data and assumptions used, the sources of the data and assumptions, the conventions, Standards, Guides, and Design Manuals used, and the design method(s) used in the design of the transmission line. The Guide offers a comprehensive Table of Contents of the important criteria that should be taken into consideration in the design of transmission lines. The Guide discusses the various criteria. The Guide does not recommend criteria values, as would a Design Manual, but lists and discusses the importance of the criteria. The design engineer must determine the values to use based on the location, ambient conditions, and importance of the line.

5.5 Need for the Project: As experienced Line Design Engineers retire, there is a need to provide a comprehensive discussion of the critical design parameters that are required to prepare the design of a reliable, economical transmission line that takes into account the requirements of the governmentally mandated codes and local conditions that can affect the reliability of the line.

5.6 Stakeholders for the Standard: Electric Utilities, Manufacturers of transmission line material and equipment, consultants, transmission line owners.

6.1.a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitted this PAR prior to the PAR submittal to the IEEE-SA Standards Board? Yes Presented Date: 2007-01-08

If no, please explain:

6.1.b. Is the Sponsor aware of any copyright permissions needed for this project? No

If yes, please explain:

6.1.c. Is the Sponsor aware of possible registration activity related to this project? No

If yes, please explain:

7.1 Are there other standards or projects with a similar scope? No

If yes, please explain:

Sponsor Organization:

Project/Standard Number:

Project/Standard Date: 0000-00-00

Project/Standard Title:

7.2 Is there potential for this standard (in part or in whole) to be adopted by another national, regional, or international organization? ? No

Technical Committee Name and Number:

Contact person:

Contact person Phone Number:

Contact person Email Address:

7.3 Will this project result in any health, safety, security, or environmental guidance that affects or applies to human health or safety? No

7.4 Additional Explanatory Notes:

Please note that 5.2 indicates the focus is on 69kV and above, but is applicable to lower voltages.

8.1 Sponsor Information:

Is the Scope of this project within the approved scope/definition of the Sponsor's Charter? Yes

If no, please explain: