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06 December 2006

Eddy So
National Research Council Canada
INMS
Montreal Road, Building M50
Ottawa, Ontario K1A 0R8
Eddy.So@nrc.ca

Re: P1715 - Power Measurements Under Low Power Factor Conditions

Dear Eddy:

I am pleased to inform you that on 06 December 2006 the IEEE-SA Standards Board approved the above referenced project until 31 December 2010. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/1715.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 06 March 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
Administrator, Governance
Standards Activities
Phone +1 732 562 6003
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CC: harold.kirkham@jpl.nasa.gov, stds-pes-scc@ieee.org, Eddy.So@nrc.ca

PAR Request Date: 11 October 2006**PAR Approval Date:** 06 December 2006**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.:** **P1715****1.2 Type of Document:** Guide**1.3 Life Cycle:** Full-Use**1.4 Is this document in ballot now?** No**2.1 Title**

Power Measurements Under Low Power Factor Conditions

2.1 Amendment/Corrigenda Title**3.1 Working Group Name** [High Voltage Low Power Factor Power Measurements](#)**Working Group Chair**
[So, Eddy](#)
Phone: 613-990-5806
Email: Eddy.So@nrc.ca**Working Group Vice Chair****3.2 Sponsor** [IEEE Power Engineering Society Power System Instrumentation and Measurements \(PE/PSIM\)](#)**Sponsor Chair**
[Kirkham, Harold](#)
Phone: 818-354-9699
Email: harold.kirkham@jpl.nasa.gov**Name of Standards Liaison Representative (if applicable)**
[So, Eddy](#)
Phone: 613-990-5806
Email: Eddy.So@nrc.ca**3.3 Joint Sponsor****4.1 Type of Ballot:** Individual**4.2 Expected Date of Submission for Initial Sponsor Ballot:** December 2007**4.3 Projected Completion Date for Submittal to RevCom:** October 2008**5.1 Approximate number of people expected to work on this project:** 10**5.2 Scope:** To provide background information and general recommendations for accurate measurements of power at high voltage under low power factor conditions; identifies suitable measurement techniques including instrumentation to meet these recommendations; identifies on-site test techniques including instrumentation to calibrate power loss measuring systems and recommendations for maintaining their accuracy specifications, including obtaining traceability to higher echelon standards.**5.3 Is the completion of this document contingent upon the completion of another document?** No

5.4 Purpose: There is currently no defined, independent guide for providing background and general recommendations for accurate measurements of power at high voltage under low power factor conditions. The guide identifies suitable measurement and on-site test techniques, including instrumentation, to meet these recommendations and calibration of power loss measuring systems. The guide also provides recommendations for maintaining the accuracy specifications of the power loss measuring systems, including obtaining traceability to higher echelon standards.

5.5 Need for the Project: To provide recommendations to measure accurately high voltage power loss of electrical power apparatus under low power factor conditions, such as, power transformers, high voltage inductive/capacitive reactors, power cables, and bushings.

5.6 Stakeholders for the Standard: Electrical power industry, manufacturers of power apparatus and corresponding instrumentation for the measurements of high voltage power under low power factor conditions.

6.1.a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR prior to the PAR submittal to the IEEE-SA Standards Board? Yes **Presented Date:** 2006-10-26

If no, please explain: The guide does not contain patentable material.

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? ? Do not know at this time

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:

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: