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09 December 2005

Jeffrey G Gilbert
PPL Electric Utilities Corp
2 N 9th Street, GENN 4
Allentown, PA 18101-1179
jggilbert@pplweb.com

Re: PC37.109 - Guide for the Protection of Shunt Reactors

Dear Jeffrey:

I am pleased to report that on 07 December 2005 the IEEE-SA Standards Board approved the extension request of the above-referenced project until 31 December 2006.

If you should have any further questions, please contact me at 732-562-6367 or by email at j.haasz@ieee.org.

Sincerely,

Jodi Haasz
Program Manager
International Stds Programs and Governance
Standards Activities
Phone +1 732 562 6367
FAX +1 732 875 0695
Email: j.haasz@ieee.org

CC: pbwinsto@southernco.com, kevin_stephan@wr.com, stds-pes-scc@ieee.org

IEEE-SA Standards Board Extension Request

Revised 23 June 2004

1. Date of Request: 10-Oct-05
2. Assigned Project Number: PC37.109
3. Project Title: Guide for the Protection of Shunt Reactors
 - a. Name of Working Group (WG): Shunt Reactor Protection WG of Substation Subcommittee of PES/Power System Relaying Committee
 - b. Name of Working Group Chair: Kevin A. Stephan
 - c. Name of Sponsoring Society and Committee: PE/PSR
 - d. Name of Sponsoring Committee Chair: Phil Winston (Jeffrey Gilbert is our standards liaison)
4. Contact Information (Contact should be the person who will answer any questions concerning this extension request):
 - a. Name: Kevin A. Stephan
 - b. Telephone: (316) 261-8855
 - c. FAX: (316) 261-8854
 - d. EMAIL: kevin_stephan@wr.com
5. Statement of why an extension is required. This should include a description of what the working group has accomplished and what remains to be accomplished, along with the reasons why the work was unable to be completed in the allotted timeframe : This project is nearly complete. The guide has been balloted and negative ballot comments have been incorporated into a proposed recirculation draft. The working group is confident that the recirculation draft will resolve all issues.
6. History
 - a. What date was the PAR first approved? 30-Jan-00
 - b. What date did you begin writing the first draft? 1-May-00
 - c. How many people are actively working on the project? 10
 - d. How many times a year does the working group meet:
 1. In person? 3
 2. Via teleconference? 0
 - e. How many times a year is a draft circulated to the working group via electronic means? 1
7. Document Progress
 - a. What percentage of the Draft is stable? 98%
 - b. How many significant work revisions has the Draft been through? 13
8. Project Plan

(Item #8a is only for projects that have been balloted. If your draft has not yet gone to ballot, please go to Item #8b)

a. Balloting History - Provide history of all IEEE Sponsor ballots under this project::

1st Ballot Close date (or scheduled close): 2005-02-28

1st Ballot Draft Number: 11

1st Ballot results (% affirmative, %negative, %abstain): 96%,3%,3%

2nd Ballot Close date (or scheduled close):

2nd Ballot Draft Number:

2nd Ballot results (% affirmative, %negative, %abstain):

(Add additional entries for ballots as needed):

When do you estimate that the final IEEE Sponsor ballot will be completed? 01-May-06

When do you expect to submit the proposed standard to RevCom? 20-May-06

b. For projects that have not yet begun Sponsor ballot, please answer the following:

When will IEEE sponsor balloting begin?

When do you estimate that the final IEEE Sponsor ballot will be completed?

When do you expect to submit the proposed standard to RevCom?

9. Future Adoptions

- If this is a new document, will it be adopted (in part or in whole) by another national, regional or international organization? No If yes, which organization?
- If this is a revision of an existing document, has this document been adopted by the IEC, ISO, ETSI, SCC, etc? Choose One If yes, which organization?

10. Additional Extensions

a. Is this the first request for an extension? No (If yes, please do not go any further. You have completed the form.)

b. If not, when was the previous extension approved? 12-Jun-03

After completion of this form, please e-mail this to the NesCom Administrator at nescom-admin@ieee.org. Confirmation of submittal will be sent on receipt of this request.



Jodi Haasz
<j.haasz@ieee.org>
06/16/2003 04:00 PM

To: m.s.sachdev@ieee.org
cc: kevin_stephan@wr.com, rick.taylor@sgswitter.com,
stds-pes-scc@ieee.org
Subject: Extension Approval of the Project PC37.109

16 June 2003

Mohindar Sachdev
University of Saskatchewan
243 Willoughby Cres.
Saskatoon, SK, S7H 4W6
CANADA
m.s.sachdev@ieee.org

Re: PC37.109 - Guide for the Protection of Shunt Reactors

Dear Mohindar:

I am pleased to report that on 12 June 2003 the IEEE-SA Standards Board approved the extension request of the above-referenced project until 31 December 2005.

If you should have any further questions, please contact me at 732-562-6367 or by email at j.haasz@ieee.org.

Sincerely,

Jodi Haasz
Senior Administrator
IEEE-SA Governance and Electronic Processes
Standards Activities
Phone +1 732 562 6367
FAX +1 208 460 5300
Email: j.haasz@ieee.org

cc: kevin_stephan@wr.com, rick.taylor@sgswitter.com, stds-pes-scc@ieee.org

IEEE-SA Standards Board Extension Request

Revised 6 December 2000

1. Date of Request: 16-Apr-03
2. Assigned Project Number: PC37.109
3. Project Title: Guide for the Protection of Shunt Reactors
 - a. Name of Working Group(WG): Shunt Reactor Protection WG of Substation Subcommittee of PES/Power System Relaying Committee
 - b. Name of Working Group Chair: Kevin A. Stephan
 - c. Name of Sponsoring Society and Committee: PE/PSR
 - d. Name of Sponsoring Committee Chair: Mohindar S. Sachdev, Standards Coordinator
4. Contact Information (Contact should be the person who will answer any questions concerning this extension request):
 - a. Name: Kevin A. Stephan
 - b. Telephone: (316) 261-6755
 - c. FAX: (316) 261-6919
 - d. EMAIL: kevin_stephan@wr.com
5. Statement of why an extension is required. If this is a request for an additional extension, please state why you believe that this extension request will be your final request, and the reason for this additional extension. New job duties did not allow me enough time to consolidate responses from WG members and post them in the draft and circulate for review.
6. History
 - a. When was the PAR first approved? 30-Jan-00
 - b. When did you begin writing the first draft? 1-May-03
 - c. How many people are actively working on the project? 10
 - d. How many times a year does the working group meet in person? 3
 - e. How frequently is a draft version circulated to the working group via electronic means? 1
7. Document Progress
 - a. How much of the Draft is stable? 97%
 - b. How many significant work revisions has the Draft been through? 7
 - c. Briefly describe what the development group has already accomplished, and what remains to be done. All new clauses have been added. Remaining work is finalizing a few figures and metrication.
8. Project Plan
 - a. When did/will IEEE sponsor balloting begin? 1-Sep-03
 - b. When do you estimate that the final IEEE Sponsor ballot will be completed? 1-Mar-04
 - c. When do you expect to submit the proposed standard to RevCom? 1-Sep-04

d. Do you see value in help or mentoring from the Standards Board staff to meet your projected schedule? If so, what kind of help would be useful? Not at this time.

9. Additional Extensions

a. Is this the first request for an extension? Yes (If yes, please do not go any further. You have completed the form.)

b. If not, when was the previous extension approved?

c. How much additional time is needed to complete the project? 2 years

After completion of this form, please e-mail this to the NesCom Administrator at nescom-admin@ieee.org. Confirmation of submittal will be sent on receipt of this request.

IEEE-SA Standards Board Project Authorization Request (PAR) (1999-Rev 1)

1. Sponsor Date of Request [1999 July 15]
2. Assigned Project Number [C37.109-1988]
3. PAR Approval DATE [**30 January 2000**] {IEEE Staff to fill in box}
{Copyright release must be received with appropriate signatures
by postal mail or FAX (1-732-562-1571)}
 PAR Signature Page on File {IEEE Staff to check Box}
4. Project Title and Working Group/Sponsor for this Project
Document type : {Place an X in only one option below}
 Standard for {Document stressing the verb "SHALL"}
 Recommended Practice for {Document stressing the verb "SHOULD"}
 Guide for {Documents in which good practices are suggested}

TITLE: [Guide for the Protection of Shunt Reactors]

Name of Working Group(WG) : [Shunt Reactor Protection WG of Substation Subcommittee of PES/Power System Relaying Committee]

Name of Official Reporter (usually the WG Chair) who MUST be an SA member as well as an IEEE/Affiliate Member: [Kevin A. Stephan]

Title in WG: [Chairperson] IEEE/SA/Affiliate Member # [02939643]{Required}
Company: [Western Resources, Inc.] Telephone: [(316) 261-6755]
Address: [120 E. 1st St. SB 310] FAX: [(316) 261-6534]
City/State/Zip: [Wichita, KS 67202] EMAIL: [kevin_stephan@wr.com]

Name of WG Chair (if different than Reporter): []

IEEE/Affiliate Memb # []{Required}
Company: [] Telephone: []
Address: [] FAX: []
City/State/Zip: [] EMAIL: []

Name of Sponsoring Society and Committee: [Power Engineering/Power System Relaying]

Name of Sponsoring Committee Chair: [Miriam Sanders]

IEEE/SA/Affiliate Member # [M7653439] {Required}
Company: [Pulsar Technologies, Inc] Telephone: [954-344-9822]
Address: [4050 NW 121 Ave] FAX: [954-340-6676]
City/State/Zip: [Coral Springs, FL 33065] EMAIL: [Miriam.sanders@pulsartech.com]

5. Describe this Project by answering each of five questions below:

5a. Update an existing PAR? {Yes/No} [No]

If YES: Indicated PAR number/approval date []

If YES: Attach cover letter indicating changes/rationale for changes.

If YES: Is this project in ballot now? [] {Yes/No}

5b. Choose one from the following:

b1 -[] New Standard

b2 - Revision of existing standard {number and year} [C37.109-1988]

b3 -[] Amendment (Supplement) to existing standard {number and year} []

b4 -[] Corrigenda to existing standard {number and year} []

5c. Choose one from the following:

c1 - Full Use (5-year life cycle)

c2 - Trial Use (2-year cycle)

5d. Choose one from the following:

d1 - Individual Sponsor Ballot Process

d2 - Entity (not Individual) Sponsor Ballot Process

5e. Fill in Target Completion Date to IEEE RevCom [06/2002]

6. Scope of Proposed Project

{what is being done, including technical boundaries on the work}

[The scope of the original standard was a guide for acceptable methods and configurations for the protection of shunt reactors. This PAR's intent is to make the existing guide more comprehensive by including reactor configurations and reactor protection schemes not now in the guide. Review and updating of the existing guide is needed to consider protection of shunt reactors with auxiliary power windings, improved turn-to-turn fault protection, use of digital/microprocessor relays and other items specific to shunt reactor protection as brought before the working group.] {This should be brief (less than 5 lines recommended)}

7. Purpose of Proposed Project:

{why it is being done, including intended users, and benefits to users}

[The purpose of the original guide was to provide users of shunt reactors with a complete guide of acceptable methods and configurations for protection of shunt reactors. Several users have indicated the existing guide needs to be revised to cover the protective schemes of other reactor configurations presently in use.] {This should be brief (less than 5 lines recommended)}

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

8a. Are you aware of any patents relevant to this project?

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

[] {Explanation}

8b. Are you aware of any copyrights relevant to this project?

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

[] {Explanation}

8c. Are you aware of any trademarks relevant to this project?

[No] {Yes, with explanation below/ No}

[] {Explanation}

8d. Are you aware of any registration of objects or numbers relevant to this project?

[No] {Yes, with explanation below/ No}

9. Are you aware of other standards or projects with a similar scope?

[No] {Yes, with explanation below/ No}

[] {Explanation}

10. International Harmonization

Is this standard planned for adoption by another international organization?

[No] {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 [At this time the PSRC is not aware of an international effort or desire to adopt a guide such as this one. The Shunt Reactor Protection Working Group of the PSRC will act accordingly if it becomes aware of such interest.]

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

12a. Mandatory Coordination

SCC 10 (IEEE Dictionary) by DR

IEEE Staff Editorial Review by DR

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

12b. Coordination requested by Sponsor and Method:

[PES/Transformers] by [DR] {circulation of DRafts/Llaison memb/COmmon memb}

[PES/Substation Committee] by [DR] {circulation of DRafts/Llaison memb/COmmon memb}

[ICEP of Transmission Systems Committee of the Communications Society—] by [DR—] {circulation of DRafts/Llaison memb/COmmon memb}

[PE/SPD—] by [DR—] {circulation of DRafts/Llaison memb/COmmon memb}

[PE/SWG—] by [DR—] {circulation of DRafts/Llaison memb/COmmon memb}

{Choose DR or LI or CO for each coordination request}

12c. Coordination Requested by Others:

[] {added by staff}

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

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

To: miriam.sanders@pulsartech.com
From: Jodi Haasz <j.haasz@ieee.org>
Subject: [PC37](#).109 Guide for the Protection of Shunt Reactors
Cc: kevin_stephan@wr.com
Bcc:

X-Attachments:  C37-109.pdf

31 January 2000

Ms. [Miriam](#) Sanders
Pulsar Technologies, [Inc.](#)
4050 NW 121 Avenue
Coral Springs, FL 33065

Re: [PC37](#).109 Guide for the Protection of Shunt Reactors

Dear Ms. Sanders:

I am pleased to inform you that on 30 January 2000 the [IEEE-SA](#) Standards Board approved the above referenced project, adding coordination with [ICEP](#) of Transmission Systems Committee of the Communications Society, [PE/SPD](#) and [PE/SWG](#). A copy of the file is attached in [.pdf](#) format.

At the bottom of this e-mail, please find [URLs](#) which you may find useful in the development of your proposed standard and in submitting your final draft for approval. Written responses from all committees/organizations listed on the PAR as proposed coordination must be included with the final draft when it is submitted.

If coordination is effected by common membership, i.e., a person on the standard's developing committee who is also a member of the committee/organization specified on the PAR for coordination, there must be a document included with the final draft from that coordinating body which states that person is authorized to represent it. We strongly recommend that a copy of your draft be sent to this office for review prior to the final voting by the working group to allow for a quick review by the editorial staff before sponsor balloting.

If you should have any further questions or would like to receive this information in paper, please contact me at 732-562-6367 or by email at j.haasz@ieee.org

Sincerely,

[Jodi Haasz](#)
Administrator, Standards Process Support
[NesCom](#) Administrator

cc: [K. Stephan](#)

PS - The information in the .pdf file is viewable in Adobe Reader, version 3.0 or higher. If you do not have this software, please go to <http://www.adobe.com/prodindex/acrobat/readstep.html#reader> to download the free version.

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Standards Process-at-a-Glance

<http://standards.ieee.org/resources/glance.html> - A quick-reference site useful to any standards developer.

IEEE Standards Style Manual

<http://standards.ieee.org/guides/style/index.html> - Guidelines that establish style and format requirements for the preparation of proposed IEEE standards.

IEEE Standards Companion

<http://standards.ieee.org/guides/companion/index.html> - An overall view of the standards process; what to do, what to avoid, lessons learned, and sample forms.

Implement Plan for Metric Policy 9.20

<http://standards.ieee.org/announcements/metric.html> - Information on when, why and how the plan will be implemented and what exceptions exist.

Leading a Standards Development Group

<http://standards.ieee.org/faqs/ltpres.html#q1> - A free training session offered by staff to make the most of the standards process. After attending, you will have a great understanding of:

- the need for due process and consensus
- how to submit PARs and Drafts
- the "legal" aspects (copyrights, trademarks, patents)
- how staff can help you

Standards Coordinating Committee 10

<http://standards.ieee.org/faqs/SCC10.html> - An explanation of the importance of coordinating with the IEEE Dictionary (SCC10) as is mandated on the PAR form.

Balloting Information

http://standards.ieee.org/resources/glance_at_balloting.html