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29 March 2004

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

Re: PC37.102 - Guide for AC Generator Protection

Dear Mohindar:

I am pleased to report that on 25 March 2004 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 +1 208 460 5300
Email: j.haasz@ieee.org

cc: myalla@beckwithelectric.com, rick.taylor@sgswitter.com, stds-pes-scc@ieee.org

IEEE-SA Standards Board Extension Request

Revised 6 December 2000

1. Date of Request: 28-Jan-04
2. Assigned Project Number: PC37.102
3. Project Title: Guide for AC Generator Protection
 - a. Name of Working Group(WG): Revision of Guide for AC Generator Protection
 - b. Name of Working Group Chair: Murty V.V.S. Yalla
 - c. Name of Sponsoring Society and Committee: PE / PSR
 - d. Name of Sponsoring Committee Chair: Rick Taylor
4. Contact Information (Contact should be the person who will answer any questions concerning this extension request):
 - a. Name: Murty V.V.S. Yalla
 - b. Telephone: (727)-544-2326
 - c. FAX: (727)-546-0121
 - d. EMAIL: myalla@beckwithelectric.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. We will be starting the balloting process by June 2004; after the balloting, comments and negative ballots will have to be resolved. It is, therefore, anticipated that the project will not be completed in time for the December 2004 meeting of the Standards Board.
6. History
 - a. When was the PAR first approved? 21-Sep-00
 - b. When did you begin writing the first draft? 1-Jan-01
 - c. How many people are actively working on the project? 17
 - 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? 3 times a year
7. Document Progress
 - a. How much of the Draft is stable? 95%
 - b. How many significant work revisions has the Draft been through? 3
 - c. Briefly describe what the development group has already accomplished, and what remains to be done. All the planned changes have been incorporated. We are presently addressing some comments from the working group members. After incorporating changes that would take care of the comments, the guide will be submitted for balloting.
8. Project Plan
 - a. When did/will IEEE sponsor balloting begin? 1-Jun-04
 - b. When do you estimate that the final IEEE Sponsor ballot will be completed? 1-Jun-05

- c. When do you expect to submit the proposed standard to RevCom? 31-Aug-05
- 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?

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? 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.

Jodi Haasz

09/25/00 01:48 PM

To: m.s.sachdev@dlcwest.com
cc: kmartin@bpa.gov, aphadke@vt.edu
Subject: PC37.102 and PC37.118

25 September 2000

Mohindar S. Sachdev
243 Willoughby Cres.
Saskatoon SK
Canada S7H 4W6

Re: PC37.102 Guide for AC Generator Protection
PC37.118 Standard for Synchrophasors for Power Systems

Dear Mr. Sachdev:

I am pleased to inform you that on 21 September 2000 the IEEE-SA Standards Board approved the above referenced projects until December 2004. Copies of the files are attached in .pdf format.

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 5.1.2f under *Duties of the Sponsor* which states:

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

Attached is an Excel spreadsheet for your convenience. Please forward this list to me via e-mail at j.haasz@ieee.org no later than 1 December 2000.

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 Board

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.

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



Sample Roster.xls



C37-102.pdf



C37-118.pdf

IEEE-SA Standards Board Project Authorization Request (PAR) Form (2000-Rev 1)

Note: For use with help hyperlinks offline, download [guide.html](#) and [par2000.html](#) into the same directory. After completing this form, please e-mail it to the [NesCom Secretary](#). Please click on a year to view the submittal deadlines for the year [2000](#) and the year [2001](#).

[Instructions for Downloading the PAR Form](#)

| | | |
|--|--|---|
| 1. <u>Sponsor Date</u> of Request [2001 August 31] | 2. <u>Assigned Project</u> Number [PC37.102] | 3. <u>PAR Approval</u> Date <u>21 September 2000</u> |
|--|--|---|

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

Title: [Guide for AC Generator Protection]

Name of Working Group (WG): [Revision of Guide for AC Generator Protection]

Name of Official Reporter (usually the WG Chair) who must be an SA member as well as an IEEE/Affiliate Member: [Murty V.V.S. Yalla]

IEEE-Standards Staff has verified that the Official Reporter (or Working Group Chair) is an IEEE and an IEEE-SA member: [X] (Staff to check box)

Contact Information:

Telephone [727-544-2326] FAX: [727-546-0121]

E-mail: [myalla@beckwithelectric.com]

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

IEEE-Standards Staff has verified that the Working Group Chair is [...] (Staff to check box)
an IEEE and an IEEE-SA member:

Contact Information:

Telephone [...] FAX: [...]

E-mail: [...]

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

Name of Committee Sponsor Chair: [Arun Phadke]

IEEE-Standards Staff has verified that the Sponsor is [X] (Staff to check box)
an IEEE and an IEEE-SA member:

Contact Information:

Telephone [540-231-7029] FAX: [540-231-4303]

E-mail: [aphadke@vt.edu]

5. Type of Project

a. Is this an update to an existing PAR? [NO]

If YES, indicate PAR Number/Approval Date [P####-YEAR]

If YES, is this project in ballot now? [yes/no]

[Indicate changes/rationale for revised PAR in Item #16. This should be no more than 5 lines.]

b. Choose one from the following:

[...] New Standard

[X] Revision of existing Standard {number and year} [C37.102-1995]

[...] Amendment (Supplement) to an existing standard {number and year} [...]

[...] Corrigenda to an existing standard {number and year} [...]

6. Life Cycle

[X] Full Use (5-year life cycle)

[...] Trial Use (2-year life cycle)

7. Balloting Information

Choose one from the following:

Individual Sponsor Balloting

Entity Sponsor Balloting

Mixed Balloting (combination of Individual and Entity Sponsor Balloting)

Expected Date of Submission for Initial Sponsor Ballot: [March 2003]

8. Fill in Projected Completion Date for Submittal to RevCom [March 2004]

9. Scope of Proposed Project:

[This Guide presents generally accepted forms of relay protection applied to AC generators and their associated excitation systems. This PAR's intent is to incorporate additional information on relay settings, ground fault protection, application of multifunction microprocessor relays, and other improvements as brought before the working group.]

10. Purpose of Proposed Project:

[This Guide summarizes the use of relays and devices such that the reader may select the necessary equipment to provide adequate protection for AC generators from short circuits and abnormal operating conditions. Improved protection schemes have now been proven and multifunction relays now available provide the user more choices. These concepts need to be added to the Guide to maintain its completeness.]

11. 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}

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

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

13. 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 15 below

If No: Explanation [There is no IEC group working on Generator

Protection standards and, in general, IEC does not write guides or application guidance. They only develop standards.]

14. 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 [...]

15. Proposed Coordination/Recommended Method of Coordination

Mandatory Coordination

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

IEEE Staff Editorial Review by
DR

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

Coordination requested by Sponsor:

[Energy
Development and Power Generation] by [DR] {circulation of **DR**afts/**LI**aison memb/**CO**mmon memb}

[ASC C62] by [DR] {circulation of **DR**afts/**LI**aison memb/**CO**mmon memb}

[.....] by [...] {circulation of **DR**afts/**LI**aison memb/**CO**mmon memb}

[.....] by [...] {circulation of **DR**afts/**LI**aison memb/**CO**mmon memb}

Coordination Requested by Others:

[...] {added by staff}

16. 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 to 732-562-1571 before this PAR will be sent on for NesCom and Standards Board approval.