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09 December 2005

Shantanu Nandi
Commonwealth Edison
2 Lincoln Center
Oakbrook Terrace, IL 60181-4260
s.nandi@ieee.org

Re: P400.3 - Guide for Partial Discharge Testing of Shielded Power Cable System in a Field Environment

Dear Shantanu:

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: wltaylor1@mmm.com, m.s.mashikian@ieee.org, stds-pes-scc@ieee.org

IEEE-SA Standards Board Extension Request

Revised 23 June 2004

1. Date of Request: 6-Oct-05
2. Assigned Project Number: P400.3
3. Project Title: Guide for Partial Discharge Testing of Shielded Power Cable System in a Field Environment
 - a. Name of Working Group (WG): Insulated Conductors Committee/Working Group 19C
 - b. Name of Working Group Chair: Matthew S. Mashikian
 - c. Name of Sponsoring Society and Committee: PES/Insulated Conductors Committee
 - d. Name of Sponsoring Committee Chair: W.L. Taylor
4. Contact Information (Contact should be the person who will answer any questions concerning this extension request):
 - a. Name: Matthew S. Mashikian
 - b. Telephone: (860) 427-7621
 - c. FAX: (860) 427-7619
 - d. EMAIL: matt.mashikian@imcorpotech.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 The ballot negatives and comments need to be resolved and the new draft re-circulated.
6. History
 - a. What date was the PAR first approved? 30-Jan-00
 - b. What date did you begin writing the first draft? 2-Jan-99
 - c. How many people are actively working on the project? 20
 - d. How many times a year does the working group meet:
 1. In person? 2
 2. Via teleconference? 0
 - e. How many times a year is a draft circulated to the working group via electronic means? 2 times per year
7. Document Progress
 - a. What percentage of the Draft is stable? 100%
 - b. How many significant work revisions has the Draft been through? 3
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): 2005-09-29

1st Ballot Draft Number: 3

1st Ballot results (% affirmative, %negative, %abstain): 94.3%, 5.7%, 5.4%

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? 30-Nov-05

When do you expect to submit the proposed standard to RevCom? 31-Dec-05

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? Choose One 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? No 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? 10-Dec-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.

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11 December 2003

Shantanu Nandi
Commonwealth Edison
2 Lincoln Center
Oakbrook Terrace, IL 60181-4260
s.nandi@ieee.org

Re: P400.3 - Guide for Partial Discharge Testing of Shielded Power Cable System in a Field Environment

Dear Shantanu:

I am pleased to report that on 10 December 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
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: m.s.mashikian@ieee.org, kebow@dow.com, stds-pes-scc@ieee.org

IEEE-SA Standards Board Extension Request

Revised 6 December 2000

1. Date of Request: 19-Sep-03
2. Assigned Project Number: P400.3
3. Project Title: Partial Discharge Testing of Shielded Power Cable System in a Field Environment
 - a. Name of Working Group(WG): ICC WG 19C
 - b. Name of Working Group Chair: Matthew S. Mashikian
 - c. Name of Sponsoring Society and Committee: PES/Insulated Conductors Committee
 - d. Name of Sponsoring Committee Chair: Ken Bow
4. Contact Information (Contact should be the person who will answer any questions concerning this extension request):
 - a. Name: Matthew S. Mashikian
 - b. Telephone: (860) 427-7621
 - c. FAX: (860) 427-7619
 - d. EMAIL: matt.mashikian@imcorpotech.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. This is the first extension request. The request is made to finalize the preparation of a Guide draft.
6. History
 - a. When was the PAR first approved? 30-Jan-00
 - b. When did you begin writing the first draft? 2-Jan-99
 - c. How many people are actively working on the project? 7
 - d. How many times a year does the working group meet in person? 2
 - e. How frequently is a draft version circulated to the working group via electronic means? 2 times/year
7. Document Progress
 - a. How much of the Draft is stable? 60%
 - b. How many significant work revisions has the Draft been through? 6
 - c. Briefly describe what the development group has already accomplished, and what remains to be done. A new writing group has been appointed to assemble all the information that has been submitted in written form.
8. Project Plan
 - a. When did/will IEEE sponsor balloting begin? 15-Aug-05
 - b. When do you estimate that the final IEEE Sponsor ballot will be completed? 30-Nov-05
 - c. When do you expect to submit the proposed standard to RevCom? 30-Jun-06

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? EditorialYes

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.

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

1. Sponsor Date of Request [November 17, 1999]
2. Assigned Project Number [P400.3]
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)}
[X] 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"}
[X] Guide for {Documents in which good practices are suggested}

TITLE: [PARTIAL DISCHARGE TESTING OF SHIELDED POWER CABLE SYSTEM IN A FIELD ENVIRONMENT]

Name of Working Group(WG) : [Insulated Conductors Committee C-18]

Name of Official Reporter (usually the WG Chair) who MUST be a SA member as well as an IEEE/Affiliate Member: [Matthew S. Mashikian]

Title in WG: [Chairman] IEEE/SA/Affiliate Member # [05021597]{Required}
Company: [IMCORP] Telephone: [860-427-7621]
Address: [179 Middle Turnpike] FAX: [860-427-7619]
City/State/Zip: [Storrs, CT 06268] EMAIL: [mashikian@aol.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 Society/Insulated Conductors Committee]

Name of Sponsoring Committee Chair: [S. Nandi]
IEEE/SA/Affiliate Member # [0545723] {Required}
Company: [ComEd] Telephone: [708-410-7842]
Address: [1319 S. First Av.] FAX: [708-410-7122]
City/State/Zip: [Maywood, IL 60153-2496] EMAIL: [s.nandi@ieee.org]

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 -[X] New Standard
b2 -[] Revision of existing standard {number and year} []
b3 -[] Amendment (Supplement) to existing standard {number and year} []
b4 -[] Corrigenda to existing standard {number and year} []

5c. Choose one from the following:
c1 -[X] Full Use (5-year life cycle)
c2 -[] Trial Use (2-year cycle)

5d. Choose one from the following:
d1 -[X] Individual Sponsor Ballot Process
d2 -[] Entity (not Individual) Sponsor Ballot Process

5e. Fill in Target Completion Date to IEEE RevCom [December 31,2000]

6. Scope of Proposed Project
{what is being done, including technical boundaries on the work}
[This guide covers the diagnostic testing of new or service-aged installed shielded power cable systems, with the exclusion of compressed gas insulated systems, by means of partial discharge (PD) location. Cable systems include cable, joints, and terminations.]

7. Purpose of Proposed Project:
{why it is being done, including intended users, and benefits to users}
[The newly installed cables may have defective accessories (joints and terminations) or may have become defective during installation. Service-aged cables may develop defects leading to possible service failures. This guide describes a diagnostic method capable of detecting and locating such defects prior to failure. The method helps cable users in making economic decisions about repair, replacement or future monitoring.]

8. Intellectual Property {Answer each of the questions below}
8a. Are you aware of any patents relevant to this project?
[Yes] {Yes, with detailed explanation below/ No}
[The chair is aware of at least 3 patents covering the subject assigned to the University of Connecticut and one patent assigned to KEMA. Additional patent worldwide are highly probable.] {Explanation}

8b. Are you aware of any copyrights relevant to this project?
[No] {Yes, with detailed explanation below/ No}
[] {Permission to use certain copyrighted materials has been obtained.}

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?
[??] {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 [European cable systems and cable fault locating practices differ than that of US]

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:

[Switchgear Committee] by [DR] {circulation of DRafts/LIaison memb/COmmon memb}

[] by [] {circulation of DRafts/LIaison memb/COmmon memb}

[] by [] {circulation of DRafts/LIaison memb/COmmon memb}

[] by [] {circulation of DRafts/LIaison 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: s.nandi@ieee.org
From: Jodi Haasz <j.haasz@ieee.org>
Subject: P400.3 Partial Discharge Testing of Shielded Power Cable System in a Field Environment
Cc: mashikian@aol.com
Bcc:
X-Attachments: :Macintosh HD:43480:400-3.pdf:

31 January 2000

Mr. Shan Nandi
ComEd
1319 S. First Avenue
Maywood, IL 60153-2496

Re: P400.3 Partial Discharge Testing of Shielded Power Cable System in a Field Environment

Dear Mr. Nandi:

I am pleased to inform you that on 30 January 2000 the IEEE-SA Standards Board approved the above referenced project. 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: M. Mashikian

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