

[Email This Letter](#)

09 December 2005

Jose A Marrero
Southern Nuclear Co.
P.O. Box 439 Bin 63010
Baxley, GA 31515-0439
jamarrer@southernco.com

Re: P535 - IEEE Standard for Qualification of Class 1E Lead Storage Batteries for Nuclear Power Generating Stations

Dear Jose:

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: snorman@ieee.org, robert.beavers@exeloncorp.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: P535
3. Project Title: Standard for Qualification of Class 1E Lead Storage Batteries for Nuclear Power Generating Stations
 - a. Name of Working Group (WG): IEEE 535
 - b. Name of Working Group Chair: Robert Beavers
 - c. Name of Sponsoring Society and Committee: PES - Stationary Battery Committee
 - d. Name of Sponsoring Committee Chair: Samuel Norman
4. Contact Information (Contact should be the person who will answer any questions concerning this extension request):
 - a. Name: Robert Beavers
 - b. Telephone: 815-416-3812
 - c. FAX:
 - d. EMAIL: robert.beavers@exeloncorp.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 revision to the standard is virtually complete. The revision was submitted to for coordination and the balloting process in 2005. The ballot closed in June of 2005. There are several negative ballots that need resolution and will take time. Resolution is expected during the first quarter of 2006. With this submission, the standard should be complete and approved by the standards board in 9-12 months.
6. History
 - a. What date was the PAR first approved? 16-Sep-99
 - b. What date did you begin writing the first draft? 1-Mar-00
 - c. How many people are actively working on the project? 4
 - 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? 1
7. Document Progress
 - a. What percentage of the Draft is stable? 98%
 - b. How many significant work revisions has the Draft been through? 4
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): June 2005

1st Ballot Draft Number: 4

1st Ballot results (% affirmative, %negative, %abstain): 87% affirmative, 7% negative, and 7% abstain

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? 1-Jun-06

When do you expect to submit the proposed standard to RevCom? 1-Aug-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? No If yes, which organization?

10. 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?

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.

[Email This Letter](#)

11 December 2003

James McDowall
Saft America Inc.
3 Powdered Metal Drive
North Haven, CT 06473
jim.mcdowall@saftamerica.com

Re: P535 - IEEE Standard for Qualification of Class 1E Lead Storage Batteries for Nuclear Power Generating Stations

Dear James:

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: robert.r.beavers@ucm.com, stds-pes-scc@ieee.org

IEEE-SA Standards Board Extension Request

Revised 6 December 2000

1. Date of Request: 30-Sep-03
2. Assigned Project Number: P535
3. Project Title: Standard for Qualification of Class 1E Lead Storage Batteries for Nuclear Power Generating Stations
 - a. Name of Working Group(WG): IEEE 535
 - b. Name of Working Group Chair: Robert Beavers
 - c. Name of Sponsoring Society and Committee: PES - Stationary Battery Committee
 - d. Name of Sponsoring Committee Chair: Jim McDowall
4. Contact Information (Contact should be the person who will answer any questions concerning this extension request):
 - a. Name: Robert Beavers
 - b. Telephone: 630-657-3812
 - c. FAX: 630-657-4328
 - d. EMAIL: robert.beavers@exeloncorp.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. The revision to the standard is virtually complete. The revision will be submitted to for coordination and the balloting process in October 2003. With this submission, the standard should be complete and approved by the standards board in 6-9 months.
6. History
 - a. When was the PAR first approved? 16-Sep-99
 - b. When did you begin writing the first draft? March 2000
 - c. How many people are actively working on the project? 4
 - 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/year
7. Document Progress
 - a. How much of the Draft is stable? 95%
 - b. How many significant work revisions has the Draft been through? 4
 - c. Briefly describe what the development group has already accomplished, and what remains to be done. The group has updated the 1986 standard for current references. The method of testing has been modified to allow the vendor to select a test duration between 1 and 4 hours rather than mandating 3 hours. Positive plate potential has been tighten based on vendor input. The working group agrees that the revision is ready to send through the balloting process.
8. Project Plan
 - a. When did/will IEEE sponsor balloting begin? 1-Nov-03

- b. When do you estimate that the final IEEE Sponsor ballot will be completed? 1-Jan-04
- c. When do you expect to submit the proposed standard to RevCom? 1-Mar-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? No

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) Form (1999-Rev 1)

Note: For use with help hyperlinks offline, download [guide.html](#) and [parsgn99.html](#) into the same directory.

**1. Sponsor Date
of Request**
[1999 JUL 26]

**2. Assigned Project
Number**
[P535]

**3. PAR Approval
Date**
16 September 1999

{Copyright release must be submitted with [appropriate signatures](#) by postal mail or FAX (1-732-562-1571)}

[X] PAR Signature Page received {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}

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

Title: [IEEE Standard for Qualification of Class 1E Lead Storage Batteries for Nuclear Power Generating Stations]

Name of Working Group:		[IEEE535 Working Group]	
Name of Official Reporter (usually the W.G. Chair) who must be IEEE/Affiliate AND Standards Association (SA) members.		[Robert R. Beavers]	
Title in WG:	[Chair IEEE535 WG..]	IEEE/Affiliate Member #	[00246116]
Company:	[Commonwealth Edison]	Telephone:	[(630) 663-7368]
Address:	[1400 Opus Place, Suite 400]	FAX:	[(630) 663-7199]
City/State/Zip:	[Downers Grove, IL 60515...]	Email:	[Robert.R.Beavers@ucm.com]

Name of Working Group Chair (if different):		[...]	
		IEEE/Affiliate Member #	[..]
Company:	[...]	Telephone:	
Address:		FAX:	
City/State/Zip:	[Email:	

Name of Sponsoring Society and Committee:		[SCC 29, Stationary Batteries.]	
Name of Committee Sponsor Chair:		[James A. McDowall...]	
		IEEE/Affiliate Member #	[03865227]
Company:	[Saft America, Inc.]	Telephone:	[(203) 239-4718]

Address:	[.3 Powdered.Metals Drive.]	FAX:	[(203) 234-7598]
City/State/Zip:	[.North Haven, CT 06473]	Email:	[jim.mcdowall@saftamerica.com]

5. Describe This Project; Answer each of four questions below:

- a. [Update an existing PAR](#) [NO]
 - If YES, indicate PAR Number/Approval Date [P####-YEAR]
 - If YES, attach a cover letter indicating changes/rationale for changes.
 - If YES, is this project in ballot now? [yes/no]
 - b. [Choose](#) one from the following:
 - [...] New Standard
 - [X] Revision of existing Standard {number and year} [535-1986 (R1994)]
 - [...] Amendment (Supplement) to an existing standard {number and year} [...]
 - [...] Corrigenda to an existing standard {number and year} [...]
 - c. [Choose](#) one from the following:
 - [X] Full Use (5-year life cycle)
 - [...] Trial Use (2-year life cycle)
 - d. [Choose](#) one from the following:
 - [X] Individual Sponsor Balloting
 - [...] Entity Sponsor Balloting
 - e. Fill in [Target Completion Date](#) to IEEE RevCom : [December 2002]
-

6. [Scope](#) of Proposed Project:

[This document describes qualification methods for Class 1E lead storage batteries and racks to be used in nuclear power generating stations outside of primary containment. Qualification required in IEEE Std. 308-1991 can be demonstrated by using the procedures provided in this standard in accordance with IEEE Std. 323-1983 (R1996).]

7. [Purpose](#) of Proposed Project:

[The revision will address issues raised on the testing process, provide clarified guidance on battery qualification and revise references from the 1986 issue of the standard.]

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

- a. Are you aware of any [patents](#) relevant to this project?
 - [X] { No }
 - [...] {Explanation}
- b. Are you aware of any [copyrights](#) relevant to this project?
 - [X] { No }
 - [...] {Explanation}
- c. Are you aware of any [trademarks](#) relevant to this project?
 - [X] { No }
 - [...] {Explanation}
- d. Are you aware of any [registration](#) of objects or numbers relevant to this project?

[X] { No }
[...] {Explanation}

9. Are you aware of any other standards or projects with a [similar scope](#)?

[X] { No }
[...] {Explanation}

10. [International Harmonization](#)

Is this standard planned for adoption by another international organization?

[X] { No }

If Yes: Which International Organization [...]

If Yes: Include coordination in question 13 below

If No: Explanation [This standard is used by the nuclear industry in the United States. Europe and Asia have their own means of addressing batteries used in nuclear power]

11. Is this project intended to focus on [health, safety or environmental issues](#)?

[X] { No }

If Yes: Explanation [...]

12. Proposed Coordination/Recommended Method of Coordination

a. [Mandatory Coordination](#)

SCC 10 (IEEE Dictionary)	by DR	{ Circulation of DR afts }
IEEE Staff Editorial Review by	by DR	
SCC 14 (Quantities, Units and Letter symbols)	by DR	

b. [Coordination](#) requested by Sponsor:

[PES/ED&PGC]	by [DR]	{circulation of DR afts/ LI aision memb/ CO mmon memb }
[PES/NPEC]	by [DR]	{circulation of DR afts/ LI aision memb/ CO mmon memb }
[.....]	by [...]	{circulation of DR afts/ LI aision memb/ CO mmon memb }
[.....]	by [...]	{circulation of DR afts/ LI aision memb/ CO mmon memb }

c. [Coordination Requested by Others](#):


[...] {added by staff}

13. 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 or physical delivery before this PAR will be sent on for NesCom and Standards Board approval.

To: jim.mcdowall@saftamerica.com
From: Jodi Haasz <j.haasz@ieee.org>
Subject: [P535](#) IEEE Standard for Qualification of Class [1E](#) Lead Storage Batteries for
Nuclear Power Generating Stations
Cc: robert.r.beavers@ucm.com
Bcc:

X-Attachments:  535.pdf

29 September 1999

Mr. James [McDowall](#)
[Saft America, Inc.](#)
3 Powdered Metals Drive
North Haven, CT 06473

Re: [P535](#) IEEE Standard for Qualification of Class [1E](#) Lead Storage
Batteries for Nuclear Power Generating Stations

Dear Mr. [McDowall](#):

I am pleased to inform you that on 16 September 1999 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: R. Beavers

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