



Sherry
Hampton/STDS/STAFF/
US/IEEE

10/02/2007 10:24 PM

To jim.mcdowall@saftbatteries.com

cc r.j.fletcher@ieee.org, stds-pes-scc@ieee.org,
curtis.ashton@qwest.com, Matthew
Ceglia/STDS/STAFF/US/IEEE,

bcc

Subject Approval of Project - P1657

02 October 2007

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

Re: P1657 - Recommended Practice for Personnel Qualifications for Installation, Maintenance, and Operation of Stationary Batteries

Dear James:

I am pleased to inform you that on 27 September 2007 the IEEE-SA Standards Board approved the above referenced project until 31 December 2008. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/1657.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"

Rosters can be submitted in any format to the NesCom Administrator (nescom-admin@ieee.org). Please forward this list to the NesCom Administrator via e-mail at nescom-admin@ieee.org no later than 26 December 2007.

Or, for your convenience, you can manage your standards development roster in myProject. Instructions are as follows:

- Go to myProject - <https://development.standards.ieee.org/my-site>
- Login using your IEEE Web Account username and password.
- Once logged into myProject, go to "Manage Committees"
- Drill down to the project by clicking the (+) on the left to expand each level. The actual project will be highlighted in yellow
- Click "Manage Committees" for that project. A list of individuals enrolled in the Committee/Project will appear. On this screen you can assign whether a person is a Participant, a

Non-Voting Member or a Voting Member of the project group. You may also view contact information for that individual.

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 questions, please contact the NesCom Administrator via e-mail at nescom-admin@ieee.org or via telephone at +1 732 562 3806.

Sincerely,

NesCom Admin
Standards Activities
Email: nescom-admin@ieee.org

PAR Request Date: 03 July 2007**PAR Approval Date:** 27 September 2007**PAR Signature Page on File:** Yes**Type of PAR:** Modification to Approved PAR**Status:** Modification to a Previously Approved PAR P1657, 25 March 2004**Root Project:** New Project**1.1 Project No.:** **1657****1.2 Type of Document:** Recommended Practice**1.3 Life Cycle:** Full-Use**1.4 Is this document in ballot now?** No**2.1 Title**

Recommended Practice for Personnel Qualifications for Installation, Maintenance, and Operation of Stationary Batteries

3.1 Working Group Name [Battery Technician Qualification Working Group](#)**Working Group Chair**[Ashton, Curtis](#)

Phone: (303) 707-5699

Email: curtis.ashton@qwest.com

Working Group Vice Chair**3.2 Sponsor**[IEEE Power Engineering Society Stationary Batteries Committee \(PE/SB\)](#)**Sponsor Chair**[Fletcher, Robert J](#)

Phone: 847-838-6475

Email: r.j.fletcher@ieee.org

Name of Standards Liaison Representative (if applicable)[McDowall, James A](#)

Phone: 203-985-2712

Email: jim.mcdowall@saftbatteries.com

3.3 Joint Sponsor**4.1 Type of Ballot:** Individual**4.2 Expected Date of Submission for Initial Sponsor Ballot:** October 2007**4.3 Projected Completion Date for Submittal to RevCom:** October 2008**5.1 Approximate number of people expected to work on this project:** 70

5.2 Scope: This recommended practice defines the areas of recommended knowledge for installers, maintainers and operators of stationary batteries and related systems to the extent that they affect the battery. Design of the dc system and sizing of the dc battery charger(s) are beyond the scope of this guide. This document covers lead-acid and Nickel-Cadmium battery technologies.

Old Scope: This document defines the areas of recommended knowledge for installers, maintainers and operators of stationary batteries, and related systems to the extent that they affect the battery. Design of the dc system and sizing of the dc battery charger(s) are beyond the scope of this guide.

5.3 Is the completion of this document contingent upon the completion of another document? No

5.4 Purpose: The purpose of this recommended practice is to provide an outline of the necessary items that should be covered by those developing training programs for stationary battery installation, operations, and maintenance personnel. The order in which the items in this document are covered is at the discretion of the training developer/provider.

Old Purpose: The purpose of this document is to provide an outline of the necessary items that must be covered by those developing training programs for stationary battery installation, operations, and maintenance personnel. The order in which the items in this document are covered is at the discretion of the training developer/provider.

5.5 Need for the Project: There is no standardization of materials, qualification or experience of personnel performing various DC related maintenance and testing tasks. This document seeks to standardize the required level of training and areas that are necessary in the performance various DC related maintenance and testing.

5.6 Stakeholders for the Standard: The stakeholders include telecom, electric utility, data center, UPS, battery service companies, and battery manufacturers.

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:** 2007-06-12

If no, please explain:

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? ? No

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

The document will discuss items on which technicians should receive training to ensure their personal safety. These will include (but not be limited to): escalating precautions for various DC voltage levels, insulated tools, personal safety gear (like goggles/faceshields, insulating gloves, aprons, etc.), safety rules for work on live plants, etc.

7.4 Additional Explanatory Notes:

minor changes were made in making this a recommended practice instead of a Guide, and the scope was revised to include only lead-acid and Ni-Cd batteries

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:

[Email This Letter](#)

29 March 2004

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

Re: P1657 - Guide for Personnel Qualifications for Installation, Maintenance, and Operation of Stationary Batteries

Dear Jose:

I am pleased to inform you that on 25 March 2004 the IEEE-SA Standards Board approved the above referenced project until 31 December 2008. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/1657.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 j.haasz@ieee.org no later than 23 June 2004.

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 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: cashton@Qwest.com, jim.mcdowall@saftamerica.com, stds-pes-scc@ieee.org

PAR FORM

PAR Status: New PAR

PAR Approval Date: 2004-03-25

PAR Signature Page on File: Yes

1. Assigned Project Number: 1657

2. Sponsor Date of Request: 2004-01-29

3. Type of Document: Guide for

4. Title of Document:

Draft: Guide for Personnel Qualifications for Installation, Maintenance, and Operation of Stationary Batteries

5. Life Cycle: Full-Use

6. Type of Project:

6a. Is this an update to an existing PAR? No

6b. The Project is a: New Standard

7. Working Group Information:

Name of Working Group: Battery Technician Qualification Task Force

Approximate Number of Expected Working Group Members:30

8. Contact information for Working Group Chair:

Name of Working Group Chair: Curtis Ashton

Telephone: (303) 707-5699 **FAX:** (303) 707-9041

Email: cashton@Qwest.com

9. Contact information for Co-Chair/Official Reporter, Project Editor or Document Custodian if different from the Working Group Chair:

Name of Co-Chair/Official Reporter, Project Editor or Document Custodian:

Telephone: FAX:

Email:

10. Contact information for Sponsoring Society or Standards Coordinating Committee:

Name of Sponsoring Society and Committee: Power Engineering Society Stationary Batteries Committee

Name of Sponsoring Committee Chair: James McDowall

Telephone: 203-239-4718x542 **FAX:** 203-234-7598

Email: jim.mcdowall@saftamerica.com

Name of Liaison Rep. (if different from the Sponsor Chair): Jose Marrero

Telephone: 912-537-1395x2428 **FAX:** 912-367-0653

Email: jamarrer@southernco.com

Name of Co-Sponsoring Society and Committee:

Name of Co-Sponsoring Committee Chair:

Telephone: FAX:

Email:

Name of Liaison Rep. (if different from the Sponsor Chair):

Telephone: FAX:

Email:

11. The Type of ballot is: Individual Sponsor Ballot

Expected Date of Submission for Initial Sponsor Ballot: 2006-06-30

12. Fill in Projected Completion Date for Submittal to RevCom: 2006-12-31

Explanation for Modified PAR that completion date is being extended past the original four-year life of the PAR:

13. Scope of Proposed Project:

This document defines the areas of recommended knowledge for installers, maintainers and operators of stationary batteries, and related systems to the extent that they affect the battery. Design of the dc system and sizing of the dc battery charger(s) are beyond the scope of this guide.

Is the completion of this document contingent upon the completion of another document? No

14. Purpose of Proposed Project:

The purpose of this document is to provide an outline of the necessary items that must be covered by those developing training programs for stationary battery installation, operations, and maintenance personnel. The order in which the items in this document are covered is at the discretion of the training developer/provider.

14a. Reason for the standardization project:

There is no standardization of materials, qualification or experience of personnel performing various DC related maintenance and testing tasks. This document seeks to standardize the required level of training and areas that are necessary in the performance various DC related maintenance and testing.

15. Intellectual Property:

Has the sponsor reviewed the IEEE patent policy with the working group? Yes

Is the sponsor aware of copyrights relevant to this project? No

Is the sponsor aware of trademarks relevant to this project? No

Is the sponsor aware of possible registration of objects or numbers due to this project? No

16. Are there other documents or projects with a similar scope? No**Similar Scope Project Information:****17. Is there potential for this document (in part or in whole) to be adopted by another national , regional or international organization?** No

If yes, please answer the following questions:

Which International Organization/Committee?

**International Contact
Information?**

18. If the project will result in any health, safety, or environmental guidance that affects or applies to human health or safety, please explain in five sentences or less.

The document will discuss items on which technicians should receive training to ensure their personal safety. These will include (but not be limited to): escalating precautions for various DC voltage levels, insulated tools, personal safety gear (like goggles/faceshields, insulating gloves, aprons, etc.), safety rules for work on live plants, etc.

19. Additional Explanatory Notes: (Item Number and Explanation)