



IEEE PES STATIONARY BATTERY COMMITTEE

PES Stationary Battery Committee Meeting Minutes
Monday, January 26; Albuquerque, New Mexico

January 26, 2004

1. *Introductions*

Jim McDowall called the meeting to order at 08:00.

The PES Stationary Battery Committee thanks Garth Corey for organizing the meeting and thanks Sandia National Labs for their support of the meeting.

A motion was made by Steve Clark to accept the minutes from the Providence meeting. The motion was seconded by Bansi Patel and carried.

Of the 50 voting members there were 32 members present. 16 guests attended. Total of 48

2. *Standards and Working Group Status*

PAR #/ WG	Chair	Last Issued	Status
450	Clark	2003	Was approved in 2002 and published in 2003.
484	LaMarca	2003	Was approved and published in 2003.
485	Fletcher	1997	Reaffirmed in 2003. Par has been submitted for revision. Working group will meet this meeting.
535	Smith	1994	PAR approved 1999. WG comments are being reviewed. Extended through 2005.
1106	McDowall	1995	PAR approved March 2000. To be discussed this meeting. Goal is to finish this year.
1115	McDowall	2000	Approved in 2000. No action at this time.
1184	Patel	1994	Work will continue this meeting. Should finish this meeting then go out for ballot after this meeting. PAR expires at the end of this year.
1187	Davis	2002	Published in 2002.
1188	Cantor	1996	PAR approved June 1999. PAR extended through 2005. Document balloted. Discussion this meeting.
1189	Marrero	1996	PAR approved 2001. Document basically complete. Document being finalized for ballot. Curtis Ashton will chair the discussion this meeting.
1375	Epstein	1998	Document was just reaffirmed.
1491	Cotton	Draft	Document has been submitted for ballot. PAR expires end of 2004. Bart Cotton will assume chair for this standard. Must ballot before next meeting.
1578	Taylor	Draft	Work continues this meeting. Should go out for internal



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PAR # / WG	Chair	Last Issued	Status
			comment this year.
1625	Layton	Draft	Portable Computer Batteries – work progressing.
1635	Clark	Draft	Ventilation Document – Joint document with ASHRAE. Document is shifting from trial use to full standard. PAR is needed and logistics being worked out to prepare joint document with ASHRAE. Document is progressing and will meet this meeting.
Nuclear Power WG	Sam Shah	N/A	Discussions regarding Tech Specs surveillance, swing battery chargers, the EPRI ohmic measurement project and the safety related battery specification effort will occur this meeting.

Working Group Chairs should submit their drafts to the Web Master, Jim McDowall, for posting on the Web site private area.

3. *Interpretations report.*

No interpretations requested at this time.

4. *Coordination*

Jay Chamberlin discussed SCC21. Scope has changed over time to include more areas. Document for testing of batteries in photovoltaic (PV) systems was recently approved. They are working on a document for optimizing batteries in a hybrid system. Also, developing a new document to size entire PV system (including battery and inverter).

Jay also discussed activities in IEC.

Tom Croda discussed activities in T1/E1. Work is progressing on a revision to T1.311 which is the DC Power standard.

PES general meeting is in Denver June 7-10, 2004.

5. *Technical Activities*

Panel Sessions - A discussion was held on possible panel sessions for the next meeting. After voting from a broad selection of topics, the following panel session topics were chosen.

- Topic 1: Float Current Measurement Techniques Topic Session Chair: Dr. Zbig Noworolski



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- Topic 2: Reference Electrode Measurements and Tafel Curves Topic Session Chair: Steve Clark

Garth Corey provided a presentation on the Technical Session sponsored at the PES 2003 meeting in Toronto. The topic of the session was *Batteries for Stationary Applications and Cycling Applications*. Based on the presentations, there is potential for development of a new document. A motion was made by Tim Bolgeo and seconded by Curtis Ashton to submit a PAR request entitled "Guide for Application and Management of Stationary Batteries Used in Cycling Service." Motion was passed with a vote of 30 affirmative votes.

The proposed purpose for the new document will be:

This guide is meant to provide assistance to users of stationary battery systems in determining appropriate battery management strategies that may be applied by addressing the primary similarities and differences in battery design and operation for standby vs. cycling applications.

The proposed scope for the new document will be:

This guide provides information on the differences between stationary standby and stationary cycling applications and appropriate battery management strategies in cycling operations. While the primary emphasis is on lead-acid batteries, information is also provided on alternative and emerging storage technologies. The management of battery systems in stationary standby service is covered in other IEEE documents and is beyond the scope of this guide.

6. *Site Selection Committee*

Our summer meeting is scheduled for late June in Portland. Eddie Davis of Edan Engineering is coordinating.

The meeting in winter of 2005 is planned for southern California with Omi Samanta of Southern California Edison (SCE) coordinating and SCE sponsoring. Summer 2005 is planned for Denver with Curtis Ashton coordinating.

See the Web Site for more information & other possible future locations.

Balance in the operating funds account is approximately \$400.

7. *New Business*

Bill Cantor and Jim McDowall gave presentations regarding rate adjusted method vs. time adjusted method for discharge testing with respect to 1188. The 1188 document has been balloted. During ballot comment resolution, concerns were raised by some WG members with regard to the rate adjusted method. This is a major issue in discussion in the WG and was presented for discussion to the



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general committee to hopefully help gain some guidance.

At this time, the meeting was recessed.

Working groups were convened for standard processing. The working groups meeting are P485, P1106, P1184, P1188, P1189, P1578, P1635, and the Nuclear Power Working Group.

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We reconvened for further discussion regarding 1188. Following extensive discussion, the issue was returned to the working group for further resolution.

The meeting was recessed.

Tuesday, January 27

Working Group meetings continued.

Wednesday, January 22

Working Group meetings continued.

11:30 am: The full committee was re-opened to discuss progress of the working groups and sub-committees.

It was announced that the motion to form a Working Group and submit a PAR to develop a document titled *Recommended Practice for Qualification and Training of Stationary Battery Installation and Maintenance Technicians* (vote being conducted via email) has passed. Curtis Ashton will develop and submit the PAR.

Committee and working group progress and action items are listed in the attached minutes.

At this time the meeting was adjourned.

Respectfully submitted,
Robert Fletcher