



IEEE PES STATIONARY BATTERY COMMITTEE

PES Stationary Battery Committee Meeting Minutes
Monday, February 7, 2005; Irvine, California

February 10, 2005

1. *Introductions*

Samuel Norman called the meeting to order at 08:00.

The PES Stationary Battery Committee thanks Omi Samanta for organizing the meeting and thanks Southern California Edison for their support of the meeting.

A motion was made by Tim Bolgeo to accept the minutes from the Portland meeting. The motion was seconded by Steve Clark and carried.

Of the 49 voting members there were 30 members present. 21 guests attended for a total of 51 attendees.

Samuel announced that ADCOM had voted to add the following new honorary member:

Dr. Saba

2. *Standards and Working Group Status*

PAR #/ WG	Subject	Chair	Last Issued	Status
450	Vented Lead Acid Maint and Testing	Clark	2003	Review for possible PAR.
484	Vented Lead Acid Installation	LaMarca	2003	Was approved and published in 2003. No action at this time.
485	Lead Acid Sizing	Fletcher	1997	Reaffirmed in 2003. Par has been submitted and approved. Working group will continue this meeting.
535	Nuclear Battery Qualification	D. Smith	1994	PAR approved 1999. Extended through 2005. Editorial reviews – getting ready for ballot.
1106	NiCad Installation, Maint, and Testing	McDowall	1995	PAR approved March 2000. To be discussed this meeting. Balloted, 75% affirmed with 2 negatives. WG working this meeting.
1115	NiCad Sizing	McDowall	2000	Approved in 2000. Will be going for reaffirmation this year.



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PAR # / WG	Subject	Chair	Last Issued	Status
1184	UPS Battery	Patel	1994	Out for ballot. WG working this meeting-resolution of comments from ballot. Par expires at the end of this year.
1187	VRLA Installation	Davis	2002	Published in 2002. No action at this time.
1188	VRLA Maint and Testing	Cantor	1996	PAR approved June 1999. PAR extended through 2005. Document balloted. Discussion this meeting.
1189	VRLA Selection	Marrero	1996	PAR approved 2001. Document basically complete. Document being finalized for ballot.
1375	Battery Protection	Epstein	1998	Document was recently reaffirmed. Working group will be starting work next year for revision.
1491	Battery Monitoring	Cotton	Draft	Document has been submitted for ballot. PAR expires end of 2004. Got extension – Balloted and ready for submittal for approval.
1578	Spill Containment	Taylor	Draft	In editorial review at IEEE.
1625	Portable Computer Batteries	Layton	2004	Portable Computer Batteries – approved and published.
1635	Ventilation Document	Clark	Draft	Working Ventilation Document – Joint document with ASHRAE. PAR is needed and logistics being worked out to prepare joint document with ASHRAE. Document is progressing and will meet this meeting. Joint WG with ASHRAE next meeting.
1657	Technical Qualification	Ashton	Draft	Technical Qualification –WG meeting this week.
1660	Battery Cycling	Corey	Draft	Battery Cycling Applications. Will start on this document this meeting.
1725	Cell Phone Battery	Latham	Draft	Cell Phone Battery WG



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Nuclear Power WG -- Chair: Sam Shah

Discussions regarding split bank acceptance testing, battery testing after replacement, adding depolarizing agents in lead acid cells, and a general discussion of plant issues will occur this meeting.

The Battery Definitions WG – Chair: Steve McCluer

Steve reported that the group has met several times and is making progress. They will be meeting this meeting immediately following the 1188 session on Monday.

The Battery Incident Archive WG – Chair: Steve McCluer

Steve reported that work on this has started with data gathering in progress.

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

3. *Interpretations report.*

One explanation request (Mr. Baccari) for IEEE-485 was processed.

4. *Coordination*

Jay Chamberlain discussed SCC21 which is meeting next week in Scottsdale, AZ. They are working on a PAR for Testing Batteries for Hybrid Applications. In revision are the standards for Lead Acid Sizing and Lead Acid Maintenance. They have dropped the NiCd documents.

Tom Croda discussed activities in T1/E1 (now known as the Network Interface Power Protection). Battery room environment standard is ready for ballot.

Bob Fletcher discussed the NPEC committee concern about the use of term “Qualified” or “Qualification” in other documents with respect to the use of the term in their equipment qualification standards.

PES general meeting is in San Francisco in June 12-16, 2005.

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:

Battery Cell Reliability Issues – Steve Clark as chair.

Ripple / Harmonics / Grounding – Bart Cotton as chair.



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6. *Site Selection Committee*

Summer 2005 is planned for Lakewood (Denver Area) at the Qwest Training facility June (6/25 – 6/30) with Curtis Ashton coordinating. Ventilation WG will be meeting jointly with ASHRAE on Saturday before the meeting.

Archie Bell and Steve Clark will be sponsoring the winter meeting in 2006 at the Omni, Corpus Christie.

Summer of 2006 –potentially Charlotte.

Looking for volunteers for 2007 and beyond.

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

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

7. *New Business*

Jim McDowall provided a presentation about Battery Paper Reviews.

Jim McDowall made a motion to create a Paper Review WG (under AdCom) -- Bob Fletcher seconded the motion. Motion passed with 30 affirmative votes.

Jim McDowall gave a presentation on Qualification of Advanced Battery Technologies. Jim made a motion to set up a task group that would make recommendations as to whether to set up a WG and, if so, what the PAR scope would be. Sam Shah seconded. Motion passed with 26 affirmative votes.

Jim McDowall discussed the introduction of a CD ROM collection of Battery Standards that is now available – SE135. It includes 11 of our documents, 5 photovoltaic standards, IEEE 1625 is included and 8 notable technical papers.

Samuel announced that we have nominated Jim McDowall for an IEEE distinguished service award for his 6 years serving as chair of this group and the predecessor group SCC29 and for over 10 years of leadership on both groups. This committee expresses its appreciation to Jim McDowall for his years of leadership and service.

At this time, the meeting was recessed.



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Working groups were convened for standard processing. The working groups meeting are P450, P485, P1106, P1184, P1188, P1635, P1657, P1660, the Nuclear Power Working Group and the Battery Definitions Working Group.

Tuesday, February 8

Working Group meetings continued.

Wednesday, February 9

Working Group meetings continued.

Thursday, February 10

Working Group meetings continued.

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

- Committee and working group progress and action items are listed in their respective minutes.
- 450-Met to discuss potential changes and additions. A significant list was developed and discussed.
 - 485-Assignments revisited and due by March 30
 - P1106-Discussed comments.
 - P1184-Went through and discussed negative comments. Will continue working on editorial comments.
 - 1188-Testing method issues resolved for this revision of the document
 - 1635-Ventilation-made good progress. Meeting with ASHRAE next meeting. Hope to be able to ballot after June 05 meeting.
 - 1657-Work continued
 - P1660- A draft will be prepared for review at the Denver meeting.

At this time the meeting was adjourned.

Respectfully submitted,
Robert Fletcher