



IEEE

PES STATIONARY BATTERY COMMITTEE

PES Stationary Battery Committee Meeting Minutes
Monday, June 28, 2004; Portland, Oregon

June 28, 2004

1. *Introductions*

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

The PES Stationary Battery Committee thanks Eddie Davis for organizing the meeting and thanks Edan Engineering for their support of the meeting.

Jim introduced Naeem Ahmad – our staff liason from IEEE

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

Of the 50 voting members there were 32 members present. 19 guests attended. Total of 51 attendees.

Jim welcomed Joe Stevens as a new member to the committee.
Ed Rafter was reinstated as a member.

Jim announced that ADCOM had voted to add the following new honorary members:

Dave Feder

Tom Ruhlman (transferred from active member to honorary)

Witold (Vic) Sokolski

Graham Walker

2. *Standards and Working Group Status*

PAR # / WG	Chair	Last Issued	Status
450	Clark	2003	Was approved in 2002 and published in 2003. No action at this time. Will start work next year.
484	LaMarca	2003	Was approved and published in 2003. No action at this time.
485	Fletcher	1997	Reaffirmed in 2003. Par has been submitted and approved. Working group will continue this meeting.
535	D. Smith	1994	PAR approved 1999. Extended through 2005. Ready for ballot.
1106	McDowall	1995	PAR approved March 2000. To be discussed this meeting. Goal is to finish this year and send to ballot.



IEEE

PES STATIONARY BATTERY COMMITTEE

PAR #/ WG	Chair	Last Issued	Status
1115	McDowall	2000	Approved in 2000. No action at this time.
1184	Patel	1994	Out for ballot. Par expires at the end of this year.
1187	Davis	2002	Published in 2002. No action at this time.
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.
1375	Epstein	1998	Document was just reaffirmed. Working group will be starting work next year for revision.
1491	Cotton	Draft	Document has been submitted for ballot. PAR expires end of 2004. Balloted and will discuss the numerous comments this meeting.
1578	Taylor	Draft	Will be requesting a PAR revision followed by going out for ballot.
1625	Layton	2004	Portable Computer Batteries – approved and published.
1635	Clark	Draft	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.
1657	Ashton	Draft	Technical Qualification – First WG meeting this session.
1660	Corey	Draft	Battery Cycling Applications. Will start on this document next meeting.

Nuclear Power WG -- Chair: Sam Shah

Discussions regarding Tech Spec Revision-TSTF-360, battery charger sizing issues, lead-acid battery manufacturing processes, and a general round table discussion of plant issues 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.*

One request for interpretation was received (from Kim Mosley) and processed. This will be posted in the private area.

4. *Coordination*

Garth Corey discussed SCC21. Scope has changed over time to include more areas. They are working on a document for testing of lead acid batteries used in hybrid systems. They are having



IEEE

PES STATIONARY BATTERY COMMITTEE

trouble maintaining participation on the stored energy applications. Jay Chamberlain will remain active.

Tom Croda discussed activities in T1/E1. Battery room environment standard is almost ready for ballot. Work is progressing on a revision to T1.311 which is the DC Electrical Power standard.

Steve McCluer addressed codes – NEC added definitions with regard to cabling. International fire code modified and added definitions to address what a battery is – to include NiCad and VRLA etc.

PES general meeting is in San Francisco in June, 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:

Aging Parameters and Failure Mechanisms / End of Life Prediction - Ramesh Desai as chair.

Cell / Battery replacement issues – Bart Cotton as chair.

6. Site Selection Committee

Our winter 2005 meeting is scheduled for Feb 6-9 in Irvine, CA. Omi Samanta of Southern California Edison is coordinating.

Summer 2005 is planned for Denver in late June (6/26 – 6/30) with Curtis Ashton coordinating. Archie Bell and Steve Clark will be sponsoring the winter meeting in 2006 at Corpus Christie.

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

Jim discussed the change in meeting duration time from 4 days to 5 days and the change in scheduling working groups sessions – 2 hour blocks instead of 4 hour blocks with only 2 breakouts occurring at one time (instead of 3). A discussion was held about additional methods for improving the process. A contribution area on the web page was discussed, similar to what is done on T1/E1. This will be looked into further. Naeem Ahmed addressed the stabilized standards concept.

A motion was made by Jose Marrero and seconded by Steve Clark to extend the SBC meeting duration from 4 days to 5 days, limit the number of breakout sessions to 2 in parallel, and use 2 hour blocks as the minimum scheduled time (instead of 4 hour blocks) . This motion passed with 23



IEEE PES STATIONARY BATTERY COMMITTEE

affirmatives and 1 negative vote.

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

7. *New Business*

Submission of ballot comments – Use the IEEE comment document in future ballots.

Steve McCluer gave a presentation on his proposal for a battery incident archive. A discussion followed. Steve McCluer made a motion that a task force be set up to investigate the issues involved in setting up a depository of information of battery incidents, seconded by Steve Clark. Vote: 26 for, 3 against. Motion carried.

Steve McCluer also gave a presentation on setting up a battery definition document for official battery terminology, similar to what the Power Quality Group has done for their activities. A discussion followed. Steve McCluer made a motion to establish a working group to create a glossary of battery definitions and concepts subject to review and approval by AdCom. This motion was seconded by Curtis Ashton. Vote was 21 for and 4 against. Motion did not carry (50% of the committee or 25 votes required). Curtis Ashton made a motion to take this motion to an email ballot – seconded by Steve Clark and carried.

Sam Shah requested that if people have questions or issues regarding technical topics, that they provided these when they occur via email so that they can be better addressed during the meetings.

Naeem Ahmed provided a presentation on IEEE standards processes, specifically focused on the balloting process.

Bill Cantor presented a summary of 1188 status and the request for data pertaining to rate adjusted versus time adjusted test method.

At this time, the meeting was recessed.

Working groups were convened for standard processing. The working groups meeting are P485, P1106, P1188, P1491, P1635, P1657, and the Nuclear Power Working Group.

Tuesday, June 29

Working Group meetings continued.



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PES STATIONARY BATTERY COMMITTEE

Wednesday, June 30

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 the attached minutes. Some key items noted were:

1188 - Testing method still under discussion—waiting for data to come in.

1491 - Have resolved many of the comments, met 75% requirement. Will be recirculated by September.

1675 - Went through outline and made assignments. Assignments due by 9/30.

1635 - Ventilation—made good progress. Hope to be able to ballot after June 05 meeting.

1106 - Document nearly ready for ballot.

At this time the meeting was adjourned.

Respectfully submitted,
Robert Fletcher