



IEEE PES STATIONARY BATTERY COMMITTEE

**PES Stationary Battery Committee Meeting Minutes**  
**Monday, January 23, 2006; Corpus Christi, Texas**

January 23, 2006

1. *Introductions*

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

The PES Stationary Battery Committee thanks Archie Bell and Steve Clark for organizing the meeting and thanks NLI and STP for their support of the meeting.

A motion was made by Tim Bolgeo to accept the minutes from the June 27, 2005 Lakewood, Colorado meeting. The motion was seconded by Bansi Patel and carried.

Of the 54 voting members, there were 31 members present at the general meeting. 14 guests attended for a total of 68 attendees.

2. *Standards and Working Group Status*

Angela Ortiz provided an update on the various standards.

PAR #/ WG	Subject	Chair	Last Issued	Status
450	Vented Lead Acid Maint and Testing	Clark	2003	Discussion this meeting – PAR submitted and approved.
484	Vented Lead Acid Installation	LaMarca	2003	Was approved and published in 2003. No action at this time. Action by 2007.
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	R. Beavers	1994	PAR approved 1999. Extended through 2006. Balloted – resolving comments this meeting.
1106	NiCad Installation, Maint, and Testing	McDowall	1995	PAR approved March 2000.
1115	NiCad Sizing	McDowall	2000	Reaffirmed in 2005.
1184	UPS Battery	Patel	1994	Revision recirculation estimate March 2006 completion. WG comment review. submittal. Par expires at the end of this year.



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PAR #/ WG	Subject	Chair	Last Issued	Status
1187	VRLA Installation	Davis	2002	Published in 2002. No action at this time.
1188	VRLA Maint and Testing	Cantor	1996	Published in 2005. No action at this time.
1189	VRLA Selection	Marrero	1996	New PAR extension granted until end of 2007.
1375	Battery Protection	Epstein	1998	No action required until 2008.
1491	Battery Monitoring	Cotton	2005	Document published. Approved PAR for revision.
1578	Spill Containment	Taylor	Draft	Has been balloted. Comment resolution this meeting. Going out for recirculation.
1625	Portable Computer Batteries	Layton	2004	No action required until 2009.
WG200	Ventilation Document	Clark	Draft	Working Ventilation Document – Joint document with ASHRAE. Joint WG with ASHRAE this meeting. PAR is needed. Logistics were worked out to prepare joint document with ASHRAE. To meet ASHRAE requirements, document needs approval within two years. Document is progressing and will meet this week. Was 1635.
1657	Technical Qualification	Ashton	Draft	Technical Qualification –WG meeting this week.
1660	Battery Cycling	Corey	Draft	Battery Cycling Applications. Draft prepared. Will discuss this meeting.
1679	Emerging Battery Technologies	McDowell	Draft	PAR approved 9/22/2005.
1725	Cell Phone Battery	Latham	Draft	Cell Phone Battery WG – work in progress



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Nuclear Power WG - Chairman: Sam Shah

The topics on the agenda include positive plate growth, battery pricing issues, plug-in rectifier advantages for future applications, inverter/rectifier design for 1E and non-1E applications, NUPIC Audits, update on the EPRI Stationary Battery Guide, recent OEs (Operating Experience) 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 meet during this meeting in evening sessions.

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.*

None requested during this period.

4. *Coordination*

Curtiss Ashton stated that the Network Interface Power Protection (NIPP) standard was out of recirculation.

Garth Corey stated that there is a need for volunteers to review technical papers. Those willing should contact him. . .

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:

Emerging Storage Technologies – Curtis Ashton as chair.

Battery Selection – Allen Byrne as chair.

6. *Site Selection Committee*

June 25 to 29, 2006 – Charlotte, NC - Harold Priestley.

Winter 2007 – Tampa, FL – Shawn Tyler or Chattanooga, TN – Tim Bolgeo

Summer 2007 – Columbus, OH – Rick Tressler or Piscataway, NJ

Winter 2008 – Dallas, TX - Steve McClure

Summer 2008 – Chicago, IL – Kurt Uhler

Winter 2009 – San Diego, CA – Banshi Patel



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

#### 7. *New Business*

Ed Stallings is retiring from the group. He had been active from 1983. A recognition service award will be presented to Ed for his significant effort in support of our committee.

Angela Ortiz, Program Manager, IEEE Technical Program Development, who is now responsible for standards developed and issued by the Stationary Battery Committee, made a presentation on the IEEE process for standards development and publishing including use of the My Ballot website tool. Angela's presentation will be posted on our website.

Bart Cotton and Jim McDowell received awards for the completion and issuance of Standard 1491 on Battery Monitoring.

Bart Cotton questioned whether Standard 1491 should be revised now to address issues not considered in issued standard. A motion was made by Curtis Ashton and seconded by Steve McClure to create a PAR to revise 1491. A vote was taken with 18 for and 11 against – the motion is approved for the PAR submittal.

Bill Cantor discussed an issue with NiCad battery telecom cycling application and loss of some capacity with regard to Sections 6.2.2 and 6.3 of Standard 1115. A motion was made to open a PAR for an amendment by Steve McClure and was seconded by Bart Cotton. A vote was taken and approved with 18 for and no one against.

A new IEEE financial reporting system was discussed. Our intention is that the committee chair will complete the submittal on behalf of the committee and working groups that have no financial accounts.

The next General Power Engineering Society Meeting is scheduled for June 18, 2006 in Montreal.

At this time, the meeting was recessed.

Working groups were convened for standard processing. The working groups meeting are P450, P485, P535, P1184, P1578, WG 200 (P1635), P1657, P1660, P1679, the Nuclear Power Working Group, and the Battery Definitions Working Group.



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**Tuesday, January 24**

Working Group meetings continued.

**Wednesday, January 25**

Working Group meetings continued.

**Thursday, January 26**

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.

At this time the meeting was adjourned.

Respectfully submitted,  
Jeffrey LaMarca



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## Instructions for the WG Chair

- **At Each Meeting, the Working Group Chair shall:**
- **Show slides #1 and #2 of this presentation**
- **Advise the WG membership that:**
  - The IEEE's patent policy is consistent with the ANSI patent policy and is described in Clause 6 of the *IEEE-SA Standards Board Bylaws*;
  - Early disclosure of patents which may be essential for the use of standards under development is encouraged;
  - Disclosures made of such patents may not be exhaustive of all patents that may be essential for the use of standards under development, and that neither the IEEE, the WG, nor the WG Chairman ensure the accuracy or completeness of any disclosure or whether any disclosure is of a patent that, in fact, may be essential for the use of standards under development.
  - Instruct the WG Secretary to record in the minutes of the relevant WG meeting:
    - That the foregoing advice was provided and the two slides were shown;
    - That an opportunity was provided for WG members to identify or disclose patents that the WG member believes may be essential for the use of that standard;
    - Any responses that were given, specifically the patents and patent applications that were identified (if any) and by whom.



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Slide 1

**IEEE-SA Standards Board Bylaws on Patents in Standards**

**6. Patents**

IEEE standards may include the known use of essential patents and patent applications provided the IEEE receives assurance from the patent holder or applicant with respect to patents whose infringement is, or in the case of patent applications, potential future infringement the applicant asserts will be, unavoidable in a compliant implementation of either mandatory or optional portions of the standard [essential patents]. This assurance shall be provided without coercion and prior to approval of the standard (or reaffirmation when a patent or patent application becomes known after initial approval of the standard). This assurance shall be a letter that is in the form of either:

a) A general disclaimer to the effect that the patentee will not enforce any of its present or future patent(s) whose use would be required to implement either mandatory or optional portions of the proposed IEEE standard against any person or entity complying with the standard; or

b) A statement that a license for such implementation will be made available without compensation or under reasonable rates, with reasonable terms and conditions that are demonstrably free of any unfair discrimination.

This assurance shall apply, at a minimum, from the date of the standard's approval to the date of the standard's withdrawal and is irrevocable during that period.

Slide 2

**Inappropriate Topics for IEEE WG Meetings**

- Don't discuss the validity/essentiality of patents/patent claims
- Don't discuss the cost of specific patent use
- Don't discuss licensing terms or conditions
- Don't discuss product pricing, territorial restrictions, or market share
- Don't discuss ongoing litigation or threatened litigation
- Don't be silent if inappropriate topics are discussed... do formally object.

***If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at [patcom@ieee.org](mailto:patcom@ieee.org) or visit <http://standards.ieee.org/board/pat/index.html>.***

***This slide set is available at <http://standards.ieee.org/board/pat/pat-slideset.ppt>***