



IEEE PES STATIONARY BATTERY COMMITTEE

PES Stationary Battery Committee Meeting Minutes
Monday, January 08, 2007; Chattanooga, Tennessee

January 08, 2007

1. *Introductions*

Robert Fletcher called the meeting to order at 08:00.

The PES Stationary Battery Committee thanks Tim Bolgeo for organizing the meeting.

Allen Byrne made a clarification to the minutes stating T1-311 and T1-315 standards were discussed by ATIS at the meeting in Las Vegas. A motion was made by Jim McDowell to accept the minutes as corrected from the June 29, 2006 Charlotte, North Carolina meeting. The motion was seconded by Allen Byrne and carried.

Of the 51 voting members, there were 39 members present. 20 guests attended for a total of 59 attendees.

2. *Standards and Working Group Status*

Jose Marrero and the working group chairs provided an update on the various standards.

PAR # / WG	Subject	Chair	Last Issued	Status
450	Vented Lead Acid Maint and Testing	Clark	2003	Document under revision. Discussion this meeting. Goal to ballot by 12/2008.
484	Vented Lead Acid Installation	LaMarca	2003	Was approved and published in 2003. Meeting after the general session to discuss next issuance of the document. Par required in 2007.
485	Lead Acid Sizing	Fletcher	1997	Reaffirmed in 2003. Par has been submitted and approved. Working group will review changes this next meeting.
535	Nuclear Battery Qualification	R. Beavers	1994	Approved revision by IEEE in December 2006 and should be published in the next few months.
1106	NiCad Install, Maint, and Testing	McDowall	1995	Re-affirmed in 2005.
1115	NiCad Sizing	McDowall	2000	Reaffirmed in 2005. PAR for a one page amendment has been submitted. Balloted and approved but with editorial comments.



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PAR #/ WG	Subject	Chair	Last Issued	Status
				Discussion on comments this meeting.
1184	UPS Battery	Patel	2006	Approved revision in 2006.
1187	VRLA Installation	Jump	2002	Meeting this week to discuss actions required on the standard.
1188	VRLA Maint and Testing	Cantor	2005	Published in 2005. No action at this time.
1189	VRLA Selection	Marrero	1996	Work must be complete by December 2007. Jim McDowell to assist with formatting template. Revising based on comments.
1375	Battery Protection	Epstein	1998	No action required until 2008.
1491	Battery Monitoring	Cotton	2005	Approved PAR for revision. Discussion this meeting.
1578	Spill Containment	Taylor	Draft	Has been balloted in Dec 2006. Received 11 comments for resolution this meeting. PAR approved extension through 2008.
1625	Portable Computer Batteries	Layton	2004	PAR has been approved to revise the standard.
1635	Ventilation Document	Clark	Draft	Document is ready for ballot but IEEE and ASHRAE need to agree on balloting method. The IEEE mandatory editorial review has been completed. PAR expires in Dec 2007.
1657	Technician Qualification	Ashton	Draft	WG meeting this week to review the drafted document. Balloting should occur before the end of the year.
1660	Battery Cycling	Corey	Draft	Battery Cycling Applications. Draft prepared. Will discuss this meeting. Needs editing and then ballot.
1679	Emerging Battery Technologies	McDowell	Draft	PAR approved 9/22/2005. Discussion this meeting. Close to being ready for ballot.
1725	Cell Phone Battery	Latham	2006	Cell Phone Battery WG – Approved in 2006.
1825	Digital Camera		Draft	PAR issued



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PAR #/ WG	Subject	Chair	Last Issued	Status
	and Camcorder Batteries			

Nuclear Power WG – Chair: Sam Shah. General discussion of plant issues as well as TSTF-360 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 on Sunday morning and 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*

ATIS (Alliance for Telecommunication Industry Solutions) provides changes to ANSI T1 documents – Tom Croda of CSI Telecommunications Engineers provided an update that T1.330 on VRLA Batteries used in Telecommunications Environments is being developed and T1.311 and T1.315 are in the revision process.

SCC-21 – Jim McDowell provided an update. Two standards are being reviewed, P1561 and P1562. P1521 is the Guide for Optimizing the Performance and Life of Lead Acid Batteries in Remote Hybrid Power Systems, and P1562 is the Guide for Array and Battery Sizing in Stand-Alone PV Systems.

The next Battconn is scheduled for the week of May 1 – 3, 2007.

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:

Load Testing – Allen Byrne as Chair.

Arc Flash Protection / Batteries / NFPA 70E – Mike Jump as Chair.

6. *Site Selection Committee*



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June 10 – 14, 2007 – Columbus, OH – with Rick Tressler and Alber sponsoring
Holiday Inn Worthington

January 2008 – Dallas, TX - Steve McClure

Summer 2008 – Chicago, IL – Kurt Uhler

Winter 2009 – Fort Lauderdale, FL - Dan McMenamin

Summer 2009 - tbd

Winter 2010 - San Diego, CA – Bansil Patel

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

7. *New Business*

The next General PES Meeting is scheduled for June 24-28, 2007 in Tampa, Fl.

Steve McClure asked if the committee is interested in updating the National Electric Code on battery information which is out of date. Similarly other NFPA documents have information that needs to be updated.

A motion was made to form a Task Force to address NFPA documents that affect batteries. The motion carried with all members voting in the affirmative to form a Task Force and Steve McClure will chair the effort.

Steve McClure asked if we want to address MSDS areas where information may not be complete or is inconsistent to address all safety issues. Steve will chair an ad-hoc committee which will look into this issue and make a recommendation at our next meeting.

Allen Byrne will have a presentation on the Emerald Book, IEEE 1100, Grounding of Electronic Equipment.

At this time, the meeting was recessed.

Working groups were convened for standards processing. The working groups meeting are P450, P484, P485, P1187, P1189, P1578, P1491, P1635/200, P1657, P1660, P1679, the Nuclear Power Working Group, and the Battery Definitions Working Group.

Tuesday, January 9



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Working Group meetings continued.

Wednesday, January 10

Working Group meetings continued.

Thursday, January 11

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



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 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>