



IEEE

PES STATIONARY BATTERY COMMITTEE

PES Stationary Battery Committee Meeting Minutes
Monday, February 02, 2009; Atlanta, Georgia

February 2, 2009

1. *Introductions*

Jeff LaMarca called the meeting to order at 8:00 am

There are 60 members of the committee and 42 members were in attendance. There were 52 total attendees.

All attendees introduced themselves.

Dan McMenemy explained the current hotel arrangements and the confusion with the hotel on the reservations. We need attendees to stay in the scheduled meeting hotel. People not staying in the hotel must pay \$52/day to defray costs of the meeting rooms and concessions.

The PES Stationary Battery Committee thanks Dan McMenemy for organizing the meeting.

The minutes from the June 2008 meeting were approved unanimously. Bob Beavers moved to approve and Bob Fletcher seconded.

S. Norman presented on Awards and Sr. Members. Currently there are 12 Sr. Members. Soon to be 16. We are hoping to improve the percentage from 20% to 50% of members. The committee recognized 12 members with more than 20 years service to the battery committee. The committee recognized past chairman Bob Fletcher. We thank them all for their service.



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2. Standards and Working Group Status

Jim McDowall 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	2002	The document is under revision. Hoping to go to ballot at the end of this year.
484	Vented Lead Acid Installation	LaMarca	2002	IEEE 484 reaffirmation ballot was completed. Approved in Dec 08.
485	Lead Acid Sizing	Fletcher	1997- R2003	The document was sent out for ballot in 2008. There were many comments received which will be discussed in the 485 session this week.
535	Nuclear Battery Qualification	R. Beavers	2006	Revised in 2006. Longer duty cycles in the new nuclear designs need to be addressed.
1106	NiCad Install, Maint, and Testing	McDowall	2005	No action
1115	NiCad Sizing	McDowall	2000 – R2005 – 1115a- 2007	No action
1184	UPS Battery	Patel	2006	No action
1187	VRLA Installation	Jump	2002	One meeting scheduled this week to work on the revision.
1188	VRLA Maint and Testing	Cantor	2005	No action
1189	VRLA Selection	Marrero	2007	Looking into expanding 1189 to include all selections. To be discussed in working group.
1375	Battery Protection	Uhlir	1998 – R2003	PAR approved in 2008. In process.
1491	Battery Monitoring	Cotton	2005	One session scheduled this week. Hope to go to ballot after this meeting
1578	Spill Containment	Taylor	2007	No action.
1625	Portable	Layton	2008	Approved in 2008.



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	Computer Batteries			
1635	Ventilation Document	Clark	Draft	Went through ballot with over 500 comments received. Two sessions this meeting to work on resolving comments.
1657	Technician Qualification	Ashton	Draft	Went through ballot with 400 comments. One session this meeting to review the “controversial” comments. Hope to re-ballot this year.
1660	Battery Cycling	Corey	Draft	Approved in 2008
1679	Emerging Battery Technologies	McDowell	Draft	First round of balloting in 2008. One session this meeting for comment review. 1679.1 For lithium batteries to start.
1725	Cell Phone Battery	Howard	2006	This (1725) and 1825 may be merged together.
1825	Digital Camera and Camcorder Batteries	Baronas	Draft	This document has been withdrawn.

3. *Coordination*

Coordinating reports.

Tom Croda.: ATIS (Alliance for Telecommunication Industry Solutions), NIPP (Network Interface Power and Protection committee), Network Power Systems Subcommittee, A document on Power cable in final stages. New document for LUGS in telecommunications is in the works. New committee on TEE –Telecom Energy Efficiencies- equipment in the telecom sites is in the works.

Ron Martz: Telcordia –no action

Allen Byrne: BATTCON – last week in April 27-29 in Orlando.

Zbig Noworolski: Infobatt – Toronto, Sept 13th., 10th anniversary.

Steve McCluer: NFPA 70E: safety of workers in an electrical environment. Proposals were submitted for 70E to revise the battery installation portion. At next revision of 70E, the Codes & Stds committee will contribute to improve the document.

NEC – section 480 on stationary batteries: Proposals were presented and will be reworked in June/July.



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NFPA 70B –Maintenance. Codes & Stds committee will send proposals for the next revision. IEEE and NFPA are studying arc flash on DC. Still in the study stage.

Jeff LaMarca- Nuclear task force. Last meeting discussed passive plant design and 72 hour duty cycles. This will continue in the Nuclear working group meeting.

PES Meeting- end of July in Calgary. Jeff LaMarca and Bob Flechter will be attending.

4. *Site Selection Committee*

Wayne Johnson:

Next Meeting: Summer 2009 Jun 7-11 in Sonoma County, Santa Rosa, hosted by Mike Jump, preliminary arrangements are posted on the website.

Winter 2010 – Tentative in San Diego – Bansil Patel.

Summer 2010 – Tentative – Stillwater, Wisconsin, hosted by Chris Searles, BAE Batteries -discussion on having a meeting in Berlin, Germany. Would there be enough members willing to go to Berlin for a meeting?

Winter 2011 – Dan Lambert – Atlanta

Summer 2011 – Dan McMenamin – Piscataway NJ at the IEEE headquarters.

See the Website for more information.

Steve Clark is updating the Meeting Arrangement Procedures and will distribute to meeting hosts. These will be posted on the website.

Mike Jump requested the deposits for the wine tour slated for Thursday at the end of the Summer 2009 meeting in Sonoma, CA. See Mike Jump for details.

5. *Technical Activities*

A discussion was held on the TECHNICAL SESSIONS for the Sunday session prior to the next meeting Summer 2009. The following topics were selected by majority vote.

Fault Current in DC systems and Arc Flash – CHAIR: Tom Carpenter

Hydrogen Detectors & Ventilation – CHAIR: Steve Clark

6. *New Business*

Jim McDowell – Presented on Organization & Procedures (O&P) Manual
Technical Council O&P Manual (TCOP)



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IEEE SA Standards Board Audit Committee (AudCom)

Every working group is required to have their own O&P manual. Jim proposes that we modify the O&P manual to include all working groups (for one manual).

Steve Clark entered a motion for: the StaBatt O&P manual be updated to include an annex to apply to all working groups. Seconded by Curtis Ashton.

Vote called to approve: 37 –Passed (60 members total); 42 members present.

Jim to follow up and work on the model procedures.

Working Group minutes. Public documents need to be posted on website. All Chairs must assign a secretary who will keep the minutes. Minutes and meeting rosters should be given to Lesley Varga (and then Samuel Norman) for posting on the website.

Committee members must sign up on the IEEE website for the individual committees. A tutorial on how to do this will be posted on the website.

Recent Interpretation Requests:

One (1) on IEEE 535 from Tanya (NRC) which has been completed/responded to.

One (1) on IEEE 450 – Steve Clark is working on.

One (1) on IEEE 485 – Bob Fletcher completed this.

Allen Byrne presented on proposal for new Guide: IEEE Guide to Battery Handling.

Discussion ensued: form a working group or incorporate into existing Installation documents.

Jim McDowall made a motion for 2 parts: 1. the committee should cover battery handling information in the committee documents? Steve Clark seconded motion 1 (33 yes, 2 no, 1 abstention). Motion carried.

Part 2: Incorporate the information on Battery Handling into the existing documents (as annexes or elsewhere)? (31 yes, 1 no, 2 abstain). Motion carried.

Documents affected: IEEE- 1187, 484, 1106, 1184

Steve McCluer discussed recent issues he has seen associated with AHJ interpreting the international fire code (IFC) in that it requires a contact between the charger and battery string which will open (shuts down the chargers) if the ventilation in the room failed.

The following new PES-StaBatt members were announced:

Terry Chapman

Patent slides were displayed. All WG chairs must show the Patent slide at beginning of working group meetings.

Meeting adjourned.



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Tuesday, February 3rd

Working Group meetings continued.

Wednesday, February 4th

Working Group meetings continued.

Thursday, February 5th

Working Group meetings continued until mid-morning. At which time, 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.



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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 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>