



IEEE PES STATIONARY BATTERY COMMITTEE

PES Stationary Battery Committee Meeting Minutes
Monday, June 21, 2010; Minneapolis, Mn

June 21, 2010

General Meeting

1. *Introductions*

There are currently 56 current members of the StatBatt committee.

30 Voting members attending

Hal Taylor, Roger Johnson, and William McCoy have resigned from the committee as members

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

Welcome to all attendees – members and visitors. The attendee list was sent around.

Nametags are being used for this meeting – please use one.

Introductions of all attending.

Chris Searles was the Host of this meeting. Chris made comments about the hotel and the area. IEEE StaBatt committee thanks Chris and BAE for organizing the meeting, etc.

Minutes from San Diego, Jan. 2010 meeting – Approved.

Document status:

Standards and Working Group Status

Bill Cantor 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	400 comments from ballot. Working on
484	Vented Lead Acid Installation	LaMarca	2002	No action
485	Lead Acid Sizing	Fletcher	1997- R2003	In circulation – closes June 24.
535	Nuclear Battery Qualification	R. Beavers	2006	PAR open to address the passive plants with 72 hour duty cycles and request for interpretation
1106	NiCad Install, Maint, and Testing	McDowall	2005	No action
1115	NiCad Sizing	McDowall	2000 –	No action



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PAR #/ WG	Subject	Chair	Last Issued	Status
			R2005 – 1115a- 2007	No action
1184	UPS Battery	Patel	2006	A reaffirmation ballot will be coming out in 2011
1187	VRLA Installation	Jump	2002	Par expires in 2011. working on revision and should go out to ballot winter 2011.
1188	VRLA Maint and Testing	Cantor	2005	Put out a re-affirmation ballot 2010 and comments to be addressed
1189	Battery (VRLA) Selection	Marrero	2007	PAR Opened for Battery Selection. Sessions
1375	Battery Protection	Uhlir	1998 – R2003	Par expires end of 2012. working on revision. Meeting twice once meeting.
1491	Battery Monitoring	Cotton	2005	Going to ballot in 2010.
1578	Spill Containment	(Taylor)	2007	No action. Need new working Chair.

1625	Portable Computer Batteries	Layton	2008	No action
1635	Ventilation Document	Clark	Draft	A couple of sessions this meeting to work on comment resolution.
1657	Technician Qualification	Ashton	Draft	Published in 12/2009. No action.
1660	Battery Cycling	Corey	Draft	Approved in 2008. No action
1679	Emerging Battery Technologies	McDowell	Draft	Approved in June 2010.
1725	Cell Phone Battery	Howard	2006	This (1725) and 1625 may be merged together. No action
1825	Digital Camera and Camcorder	Baronas	Draft	This document has been withdrawn. <i>REMOVE FROM OUR LIST</i>



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	Batteries			
1679.1	Emerging Technologies	McDowell		See Jim.

3. *Coordination*
Coordinating reports.

Curtis Ashton – ATIS - is working on documents for DC Cable and Lugs. No action/documents on Batteries.

Curtis Ashton - Telcordia – fire codes, signage, battery related standards, revision of SR4228

Rick Tressler – Battcon 2010 was very successful this year. Battcon next year 2011 will be held May- 16-18 in Orlando FL at the Westin Dolphin hotel. All details can be found at www.Battcon.com.

Infobatt: was held in Toronto Canada, April 11-13, 2010. See website www.infobatt.com for dates for 2011.

Intelec – Allen Byrne– Orlando, Hilton, June 6-10, 2010 website: intelec.org Next year the meeting will be in Amsterdam.

Steve McCluer – Codes task force submitted lots of proposal to the NEC for 480. All were accepted except for one.

NEC – submitted comments and Article 480 with the proposals are headed for publication.

NFPA 70E – 65 proposals offered to remove all Installation comments. All installation requirements will be moved to the NEC.

BICIS – writing a document on Data Center design, mention of batteries in the power section.

Glossary – The Glossary is posted on the Stabat Private Area website for use by the Chairs and members. In order to be in agreement across all documents. The document is to be used by all working group chairs and the definitions are to be used in all documents.

NERC – National Electric Reliability Company – for the electric utility companies – to protect the bulk power system - present minimum requirements to maintain your battery systems (applies to generating and distribution companies).

MSDS task force: work began on VRLA and Vented lead acid. There is a need for Lithium batteries – MSDS. Looking for volunteers to work on the MSDS task force.

Nuclear Task Force – meeting Tuesday afternoon.



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PES general meeting in Minneapolis, MN. Jeff LaMarca (Chair) will be attending.

Energy Storage meeting in Dec. 2010 (Power Gen)

2. *Site Selection Committee*

Wayne Johnson:

Next meeting in St Louis, Mo. in Jan. 2011.

June 2011 in Montreal Canada.

Tentative Jan. 2012 in San Juan, PR

Need volunteers for June 2012

Information on setting up meetings is posted on the website.

4. Sunday Technical Sessions

A discussion was held for the potential Technical Sessions for the Sunday session at the next meeting - Sunday Jan. 9th, 2011.

AC Ripple effect on Batteries- Coordinating: Allen Byrne

Extended Duty Cycles, > 8 hrs -24-72 hours – Coordinating: Pete DeMar

Jeff LaMarca gave a presentation on the proposed StatBatt committee Operating and Procedures manual. Bill Cantor offered highlights. Discussion on membership of PES/SB and SA and working groups. Discussion of subcommittee and working groups. Opened to the floor for questions/comments.

Presentation on the Working Group Policies and Procedures. Bill Cantor described the procedures. Opened the floor for discussion.

Jeff LaMarca presented on how one can get on the Distribution List. Go to the home page, public area of the website, click on the general committee “Mailing List”.

Explanation of the published standards. Do NOT hand out the documents to other people. All standards are to be purchased from IEEE.org.

Members of the working groups will have copies of the PARs and drafts. Do not distribute.

All working groups must provide the Copyright slides to all attendees.



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Inappropriate topics for IEEE WG meetings was discussed.

Bill Cantor gave a presentation on chemical reactivity. MSDS and NFPA are “overstating the water reactivity of electrolyte”. The issue of using water or not on fires. A lot of the MSDS sheets for batteries state Reactivity “2” – which tells firefighters they should not use water. Lead acid batteries contain acid at lower concentrations than reactivity 2. “2” relates to sulfuric acid – at 1.770 sp. gravity. A request for the manufacturers’ to change the MSDS sheets to show the electrolyte with a reactivity of 0 or 1.

Jeff LaMarca explained that the Committee P&P manual will be sent out to the list for review. A vote will follow.

Hal Taylor has resigned and Steve McCluer will take over as chair of the Spill Cont. working group.

All working groups must provide meeting minutes and attendee lists to the secretary prior to the end of the meeting.

Steve McCluer asked if we can set up an area in the private area of our website to contain pictures of batteries; failures, installations, etc.

Reminder to all working group chairs to present patent slides, etc..

Changes to the meeting schedule was discussed.

Dan Lambert provided details about the Jan. 2011 meeting in St Louis. Attendees do not have to stay at the hotel because the meetings will be held at the Schneider facility.

Motion to recess was made until Thursday at 11:30.

General Meeting adjourned.

Tuesday, June 22nd

Working Group meetings continued.

Wednesday, June 23 rd

Working Group meetings continued.

Thursday, June 24th



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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.

Closing meeting on Thursday June 24th:

Jeff LaMarca opened the closing meeting.

Site Selection report was shown. This was compiled by Wayne Johnson.

Winter 2011- St Louis

Summer 2011 - Montreal

Winter 2012- San Juan PR

Summer 2012 – Philadelphia, PA

Working Group Chair reports & Sessions needed:

450 – thru the “difficult” comments, hope to be out for recirculation in 2010.

1 session

484 -0

485- recirc, 0

535 – 1 at least

1106/1115 –reaffirmation ballot needed by end of 2010

1184 -0

1187 – 1

1188 –recirc and reaff ballot, 1

1189 – 3, Par scope change

1375 –2, submit for Par revision

1491 – 1

1578 -0

1635 -1

1657 -0

1660 -0

1679 –0

1679.1 -1

Nuclear working group -1

Next meeting hosted by Dan Lambert Jan 9-13, 2011 Ofallon, MO (near St Louis).

Meeting closed.



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>