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IEEE PES STATIONARY BATTERY COMMITTEE

## **PES Stationary Battery Committee Meeting Minutes**

**Monday June 26 10, 2011; Montreal, Canada**

### **General Meeting**

#### **1. Meeting Opening and Introductions**

As of June 27, 2011, there are currently 56 current members of the StatBatt committee. There are 34 voting members attending the general session.

Bill Cantor called the meeting to order at 8:05 am  
Welcome to all attendees, members and visitors. The attendee list was sent around.  
Introductions of all attending were given.

Yves Lavoie was the host of this meeting and provided an overview of the hotel and week's activities. IEEE SBC committee thanks Yves and Primax for organizing the meeting, etc.

Minutes from January 2011 St. Louis, MO meeting were approved.

#### **2. 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	2010	Published 2010. Brief meeting scheduled to discuss potential for any new activity/amendments. Steve Clark is looking for a replacement WG chair.
484	Vented Lead Acid Installation	LaMarca	2002	No action.
485	Lead Acid Sizing	Fletcher	2010	No action.
535	Nuclear Battery Qualification	R. Beavers	2006	PAR approved expires 2013.
946	DC Systems Design	Haissam Nasrat		
1106	NiCad Install, Maint, and	McDowall	2005	Currently in reaffirmation.



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PAR # / WG	Subject	Chair	Last Issued	Status
	Testing			
1115	NiCad Sizing	McDowall	2000 – R2005 – 1115a- 2007	No action No action
1184	UPS Battery	Patel	2006	Up for reaffirmation/revision 2011. Process to begin in coming months. May need a new WG chair as Bansi may not be available to support the duties.
1187	VRLA Installation	Miller	2002	Open PAR expires at the end of 2011. Hope to wrap up this year.
1188	VRLA Maint and Testing	Cantor	2005	Reaffirmed in 2010. PAR now open to amend portion of the document. Finish up the amendment this session.
1189	Battery (VRLA) Selection	Marrero	2007	PAR needs to be submitted.
1375	Battery Protection	Uhlir	1998 – R2003	Open PAR to the end of 2012. No action this session.
1491	Battery Monitoring	Cotton	2005	PAR extension now through 2012. Comment resolution in process.
1578	Spill Containment	McLuer	2007	No action
1635	Ventilation Document	Clark	Draft	Documents ready to go out for final ballot. PAR expires at the end of 2012.
1657	Technician Qualification	Ashton	2009	No action.
1660	Battery Cycling	Corey	2008	No action.
1679	Emerging Battery Technologies	McDowall	2010	



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PAR # / WG	Subject	Chair	Last Issued	Status
1625	Portable Computer Batteries	Layton	2008	No Action
1725	Cell Phone Battery	Howard	2006	Open PAR and currently in ballot.
1679.1	Emerging Technologies	McDowall		Working on subsidiary document. PAR ends at the end of 2015.

### 3. Coordination Reports

Curtis Ashton – ATIS report. Tom Croda is chair of network power systems, involving DC network power 380V system and system architecture. Interested people need to let Curtis know. Participation on this committee is fee-based. Next meeting is in California at the end of September. Telcordia – battery state of health, new NiMH standard are in the works. Contact Curtis if you have any interest.

Battcon – Rick Tressler reported on Battcon 2011. Battcon 2012 will be held at the Westin Diplomat May 15-17 in Hollywood, FL. Details at [www.battcon.com](http://www.battcon.com).

Infobatt – Zbig Noworolski reported on the next Infobatt Canadian battery conference. Infobatt will be held in downtown Montreal. The date is September 11, 2012. Details can be found at [www.infobatt.com](http://www.infobatt.com).

INTELEC – Amsterdam October 9-13, 2011. Details at [www.intelec.org](http://www.intelec.org).

Steve McCluer – Battery glossary now posted on the SBC website. NFPA 70E received 30+ proposals from our group. We are looking at developing task groups relating to DC arc flash, PPE and safety. If interested, contact Steve. NFPA 70B now topic of discussion. NEC comments deadline is November 2011. Bill Cantor noted that a task force exists relating to getting changes to Article 480 and other areas of the NEC relating to DC systems. Contact Bill for more.

Gary Belash – MSDS task force started in April. Trying to get MSDS sheets more standardized.

Jeff LaMarca - Nuclear Task Force. The group will be meeting during this session to discuss various topics.



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## IEEE PES STATIONARY BATTERY COMMITTEE

PES General Meeting – July 24-28, 2011. Bill Cantor will be attending and chairing a paper session. There will be battery-related papers presented; most are research related. Details at [www.pes-gm.org/2011](http://www.pes-gm.org/2011).

### 4. Site Selection Committee

June 2011 Report by Wayne Johnson

The Site Selection Subcommittee would like to plan meetings and select locations in advance. In order to achieve this goal, it will require volunteers to host and/or plan an upcoming Stationary Battery Committee meeting.

If you and your company would like to sponsor a meeting, please let contact the Site Selection Working Group. Please find below the list of preliminary meeting locations:

<b>Date</b>	<b>Location</b>	<b>Sponsor</b>
Summer 2011	Primax Montreal, Quebec, Canada	Yves Lavoie June 2011
Winter 2012	Southern Company San Juan	Jose Marrero Tania Martinez-Navedo Jan 2012
Summer 2012	Energys Philadelphia, PA	Steve Vechy June 2012
Winter 2013	Interstate Dallas, TX??	Allen Byrne January 2013
Winter 2013	API Kansas City, MO	Edward Rogers June 2013

We need volunteers for the winter of 2014 and beyond.

Chris Searles has volunteered to work with the Site Selection Subcommittee.

Please keep in mind that locations are subject to change base on prevailing conditions at each sponsors company. This list serves as a guideline and can be changed with sufficient notice to the group.



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### 5. Sunday Technical Sessions

A discussion was held for the potential Technical Sessions for the Sunday session at the next meeting on Sunday January 22, 2012 in Puerto Rico. The following topics were selected by vote of the attendees.

Steve Clark, Chair- Analysis of battery capacity test results  
Steve McLuer, Chair – Arc flash NFPA 70E requirements

A break was taken at 0925  
The meeting resumed at 0950

### 6. New Business

Bill Cantor discussed the following topics:

AdCom – Bill reminded the group that document drafts, (pre-WG and post-WG) attendance rosters and WG minutes for all WG's convened must be provided to Rick Tressler for collection and posting to the website. Please try to have these to Rick within 2-3 weeks of the conclusion of your WG session.

Reaffirmation process – WG chairs should consider executing the reaffirmation process when a document nears expiration. It is suggested using this method as a means to determine if a revision and subsequent PAR will be required later.

SBC Membership - New members are encouraged. Please contact Bill with marketing suggestions/ideas.

Professional Development Hours (PDH) Credits – Bill discussed and presented a form that will be available on the website for attendees to complete to obtain credit for professional development hours when attending SBC meetings. Rick Tressler to provide a copy to Paul Hectors and will make it available in the Downloads Area of the website.

Ad hoc committee on arc flash – Bill suggested the committee develop an ad hoc committee to investigate developing wording relating to arc flash that could be used in IEEE battery documents. Steve McLuer will head the committee. Steve provided an overview of the proposed discussion topics. Contact Steve if you are interested in participating on this committee.

IEEE 946 – The SBC now owns IEEE 946 document. Haissam Nasrat volunteered to be the WG chair. A vice chair and secretary will be determined in the WG session.



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SBC Membership - Bill reviewed the requirements to become a member of the SBC committee. They are: 1. IEEE membership is required. 2. PES membership is required. 3. A person must participate on a WG for one year. 4. You must be sponsored by a current SBC member. To vote on standards, members must also hold membership in the IEEE Standards Association (SA).

VuSpec CD – Bill discussed the subject CD. The latest version is about to be released for sale. It should be noted that all IEEE standards are copyrighted, for-sale documents. Do not purchase the VuSpec product until the newest version is released.

Patent Slides - Bill Cantor gave a brief presentation and showed the patent slides. The WG chair needs to remind attendees about these slides.

A motion was made and seconded to recess the general session meeting at 10:50 am, to be reconvened Thursday, June 30 at 1130.

### **Tuesday, June 28th**

Working Group meetings continued.

### **Wednesday, June 29th**

Working Group meetings continued.

### **Thursday, June 30th**

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.



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## IEEE PES STATIONARY BATTERY COMMITTEE

### Closing meeting on Thursday June 30<sup>th</sup>:

Bill Cantor opened the closing meeting at 1000. Bill thanked Yves Lavoie for hosting and Haissam Nasrat for organizing the ladies activities.

Bill reminded WG chairs to get minutes in to Rick Tressler as soon as possible following the meeting. The agenda for Puerto Rico will be forthcoming and is subject to change.

Working Group Chair reports & Sessions needed for the June 2011 summer meeting:

Battery Glossary -	One 2 hour session
450 -	Half session
484 -	
485-	
535 -	One session
946 -	Two sessions
1106/1115 -	One session
1184 -	One session
1187 -	Two sessions
1188 -	One session
1189 -	Two to three sessions
1375 -	
1491 -	One session
1578 -	One session
1635 -	Half-session (2 hours)
1657 -	
1660 -	
1679 -	
1679.1 -	One session
Nuclear WG -	One session

Next meeting will be hosted by Jose Marrero in San Juan, Puerto Rico. Check PES-SB website for details on the hotel, costs, etc.

Motion to close by Rick Tressler  
Seconded by Steve Clark  
Meeting closed by Bill Cantor  
Meeting adjourned at 1035.



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IEEE PES STATIONARY BATTERY COMMITTEE

## 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>***



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IEEE PES STATIONARY BATTERY COMMITTEE

Slide 3

**Call for Potentially Essential Patents**

- *If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance:*
  - *Either speak up now or*
  - *Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible or*  
*Cause an LOA to be submitted*

Slide 4

**Other Guidelines for IEEE WG Meetings**

- All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.
  - Don't discuss the interpretation, validity, or essentiality of patents/patent claims.
  - Don't discuss specific license rates, terms, or conditions.
    - Relative costs, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.
      - Technical considerations remain primary focus
  - Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.
  - Don't discuss the status or substance of ongoing or threatened litigation.
  - Don't be silent if inappropriate topics are discussed ... do formally object.

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See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and "Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association's Antitrust and Competition Policy" for more details.