



 IEEE PES STATIONARY BATTERY COMMITTEE

PES Stationary Battery Committee Meeting Minutes

Monday January 6, 2014 La Jolla CA

General Meeting

1. Meeting Opening and Introductions

The meeting was called to order by committee Chair Lesley Varga at 8:00 a.m. on Monday, January 6th.

As of January 6th, 2014, there were currently 61 members of the SBC. There were 68 people attending the general session, 43 of which were voting members of the Committee.

Welcome to all attendees, members and visitors. The attendee list was sent around. Introductions by all attending were given. Attendance will also be taken via IMAT, similar to the working group meetings (Jim McDowall gave a brief overview and the website address, as sign-in for this general meeting is available there as well).

Bansi Patel organized the La Jolla meeting and gave some housekeeping information, including about breakouts, and internet access.

The minutes from June 2013 Kansas City meeting were approved.

2. Document status:

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	2010	Minor corrigianda may be needed, and Steve will work on starting that
484	Vented Lead Acid Installation	LaMarca	2002-R2008	PAR submitted for revision vote as is to get comments to see what to address



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485	Lead Acid Sizing	Fletcher	2010	No action. Possibly start thinking about a similar revision path to 484 in 2015.
535	Nuclear Battery Qualification	Beavers	2013	Just reissued in October
NWG	Nuclear Working Group	LaMarca		Not a document. Bob Beavers gave a brief update.
946	DC Systems Design	Nasrat	2004	PAR expires 2015 (and Haissam noted that we'll probably need an extension), and document expires 2018. Expanding the document to address all of our main user communities. 2 sessions this meeting.
1106	Ni-Cd Install, Maint, and Testing	McDowall	2005-R2011)	Open PAR. PAR expires for this and 1115 in 2017. A single half-session this meeting.
1115	Ni-Cd Sizing	McDowall	2005-R2011)	Open PAR. One round of balloting can be addressed in half-session this meeting before reballoting.
1184	UPS Battery	Patel	2011	Will be splitting up the selection side and move to 1189. No meeting this time.
1187	VRLA Installation	Polenz	2013	Just reissued.
1188	VRLA Maint and Testing	Cantor	2004-R2010	Reaffirmed in 2010. Open PAR for Amendment A (that expires in 2014) that Bill and Pete DeMar are working on ballot comments on, and should be out for rebalot in a few months after this meetings session.
1189	Battery (VRLA) Selection	Marrero	2007	PAR expires 2016. Scope is widely expanded to include all battery type selection. There are a couple of sessions scheduled for this meeting.
1375	Battery Protection	Uhlir	1998-R2003	Open PAR to the end of 2012 expired, but document won't expire until 2018. This will probably become a 946.1 document.



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PAR #/ WG	Subject	Chair	Last Issued	Status
1491	Battery Monitoring	Lambert	2012	No action. They are looking to open a PAR per Paul Hectors.
1578	Spill Containment	McCluer	2007- R2012	Working on a PAR at this meeting (1184 session on Wednesday morning changing to 1578) to start in 2014.
1625	Portable Computer Batteries	Layton	2008	No Action.
1635	Ventilation Document	Clark	2012	A corrigianda or addendum work will start at this meeting and next to work on user comments.
1657	Technician Qualification	Ashton	2009	Might open up to add common safety criteria for all SBC documents.
1660	Battery Cycling	Corey	2008	No action. Discussion on whether to let it expire (will probably do so).
1679	Emerging Battery Technologies	McDowall	2010	No action.
1679.1	Emerging Technologies	Nispel		PAR ends at the end of 2015. Working on it this session.
1679.2	Sodium Batteries	Chatwin		WG meeting this session scheduled. PAR expires 2015.
1725	Cell Phone Battery	Howard	2011	These chairs need to report to us (Lesley can ask them for reports via email and they are required to respond).
P1881	SBC Glossary	McCluer		PAR expires 2016. Meeting this week.
P2405	Utility Battery Chargers	Haissam Nasrat		Follow-on to NEMA PE5. IEEE working with NEMA on cooperation and transfer of copyright (conditional approval of the PAR). 18 people (16 of them mfgs) attended interim mtg in October.
Codes WG	Mostly NFPA Codes	McCluer		See "new business" section of these minutes for more detail. Session A1 on Thursday morning will be Codes, and A2 will be SDS
SDS task force	formerly MSDS	Polenz		Meeting this week.



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3. Coordination Reports

ATIS report by Curtis Ashton – Has energy efficiency and power standards for telecom, including 380 VDC. Contact Curtis for more info.

NERC PRC-005-2 – Chris Searles reported that it is finalized and you can find it on the difficult to navigate website. PRC-005-3 will take its place but the only updates in that one are not battery-related (only protective relays).

Battcon – Rick Tressler reported that 2014 Battcon will be May 5-7 in Boca Raton (plus May 4 paid training sessions). Details are at www.battcon.com.

INTELEC - Curtis Ashton – Telecom Energy Conference. Vancouver at end of September to beginning of October 2014. Details at www.intelec.org. Call for papers is out.

NewNEB (NE Battery) Conference – Chris Searles – Oct 26-28, 2014. Now sponsored by IEEE. Focus on utility DC power. Will be on Long Island. Papers solicited.

InfoBatt – Zbig Noworolski – Will be September 14-16 week at Niagara Falls. Call for papers is out.

PES General Meeting – July 27-31, 2014 in Washington DC. SBC will sponsor two sessions. Details at www.pes-gm.org.

IEEE 650 (UPS, Inverters, Battery Chargers for Nuclear) – Haissam gave a short report that they are started.

4. Site Selection Committee

Next Meeting - Summer 2015 – Dan Lambert gave an overview of the summer 2014 meeting to be held June 15-19 in Newport Rhode Island (can fly into Providence [closer], or Boston). Room rates and additional fees can be split out to limit “hotel” cost. Traffic is a bear, so you can get around without a car, but if you do bring a car, hotel parking is \$15/day. Potential clam boil, winery tours, mansion tours for add-on costs (those who want to do these activities pay), and Dan will provide Lesley with list to vote on and get firm commitments (possibly even monetary commitments) for. Probably no major tour of APC facility (because manufacturing is almost all offshore), but Dan can provide a small tour. Complimentary WiFi is available throughout the hotel and mtg rms. It is windy (may need light jacket at night). Go to <http://www.ewh.ieee.org/cmte/PES-SBC/meetings.html> to book and for information that will be posted in a few weeks.

A 15 minute break was taken at 9:18 am local time, and the meeting was reconvened at 9:37 am.



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The following companies and/or individuals have indicated that they would like to sponsor/organize a meeting, Please find below the list of preliminary meeting locations:

Date	Location	Sponsor
Summer 2014	APC Rhode Island	Dan Lambert June 2014
Winter 2015	Enercon New Orleans, LA	David Franklin January 2015
Summer 2015	Primax- downtown Montreal or Quebec City (latter could be too \$\$\$)?	Yves LaVoie June or July 2015
Winter 2016	Quality Standby Services Atlanta, GA	Lesley Varga January 2016
Summer 2016	LaMarche Chicago	Raj Dhiman June or July 2016

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

5. Sunday Technical Sessions

A discussion was held for the Sunday Technical Sessions at the next meeting on Sunday January 5, 2014 in La Jolla. The following topics were selected by vote of the attendees.

Topic #1 – Redundancy in DC Systems – Chris Searles, Chair

Topic #2 – Grounding Systems and Finding Unintentional Grounds – José Marrero, Chair

6. New Business

Codes Roadmap – Steve McCluer presented on various Codes and standards that affect us, and where the working group is going and what it is doing. Steve discussed work going on with IFC, NFPA 1, NFPA 70, NFPA 70E, NFPA 70B, NFPA 75, NFPA 76, NFPA 111, and NFPA 72. Special discussions revolved around potentially adding NETA-MTS to the work that the WG is doing. Also, IEEE and NFPA are still seeking funding for DC arc flash/blast testing. Steve gave an overview of how we worked through SCC 18 to get more voice in NFPA 70E (which process can also work for other NFPA documents), including the fact that Bill Cantor is now on SCC 18, and the input that came from the whole IEEE PES SBC from the KC mtg. NFPA 72 (Fire Alarm Code) has asked specifically for our help on cleaning up the battery backup sections pertaining to fire alarm systems.



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Next IEEE PES SBC Secretary – Kurt Uhler has accepted an appointment to be the next secretary (2 year term) for the IEEE PES SBC starting Jan. 1 2015, which will eventually take him through the ranks to be Chair (after Rick Tressler and Curtis Ashton).

A 2nd break was taken at 10:51, and the meeting was reconvened at 11:10

2014 IEEE PES General Mtg SBC Special Sessions – At the forthcoming Washington DC PES 2014 General mtg, we have “proposed” two 2-hr panel sessions: NERC PRC 005 chaired by Chris Searles, and Battery Safety and DC Systems Arc Flash / Safety Issues Codes/Regulations Evolution (chaired by Steve McCluer). Chris also submitted a paper, and his panel session will include “presentations” from him, Rick Tressler, and Bill Cantor. Steve will cover some of the material he already covered this morning, as well as some OSHA stuff, and Bill, Rick, Lesley, and Chris will serve on the panel with him. Lesley will send out an email to the PES SBC list once we know when panels and relevant papers are scheduled for anyone interested in attending.

Patent Slides – Lesley showed the patent slides and reminded WG chairs to cover them too.

Submitting drafts and minutes – Lesley reminded WG chairs that drafts need to be submitted in a timely manner to Secretary Curtis Ashton. It is strongly recommended that these be provided to Curtis BEFORE the end of the week the meeting is held.

She also reminded the Chairs or a designee to be at the Thursday mtg, and provide us with WG session time needs for the summer mtg.

The General Membership meeting was suspended at 11:40 am until approximately 11:30 a.m. Thursday, January 9th. The afternoon of Monday was devoted to WG sessions.

Tuesday, January 7th

Working Group meetings continued.

Wednesday, January 8th

Working Group meetings continued.

Thursday, January 9th

Working Group meetings continued until mid-morning. At which time, the full committee was reconvened to discuss progress of the working groups and sub-committees request sessions for the next meeting.



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Closing meeting on Thursday January 9th:

Rick reconvened the general meeting at 11:26 a.m. He thanked Bansi for hosting and organizing the meeting.

Rick reminded WG chairs to get minutes (and before and after drafts if applicable) in to Curtis Ashton as soon as possible following the meeting. The agenda for Newport 2014 will be forthcoming and is subject to change.

Working Group Chair reports & Sessions needed for the summer 2014 meeting:

Standard/PAR#	Status - End of This Meeting	Sessions Needed	Session Duration (Hours)
450	No input	0	0
484	Initial ballot to probably occur in March. Tom Carpenter vice-chair	1	4
485	Initial ballot to occur soon	1	2
535	No input	0	0
946	Work advanced. Many assignments given, and more to come. Haissam will discuss volunteers for WG secretary w/Lesley. Steve Clark vice-chair.	2	6
1106	Shawn Pryer is new chair, with Dan Martin as vice-chair and Paul Hectors as secretary. Worked on safety section.	1	2
1115	Will be doing comment resolution, with 1 minor homework assignment to Haissam. Shawn Pryer is vice-chair	0	0
1184	Will restart after 1189 completion. Azeem Mohammed volunteered as secretary	0	0
1187	No input	0	0
1188	No input	0	0
1189	Redirection. Chris Searles vice-chair & Rob Schmitt secretary	2	6
1375	No action	0	0
1491	PAR submitted. Paul Hectors vice-chair	1	4



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Standard/PAR#	Status - End of This Meeting	Sessions Needed	Session Duration (Hours)
1578	PAR for amendment drafted. 10 comments remain to go over from the recirculation. Shawn Pryer volunteered as vice-chair, and John Polenz as secretary	1	2
1635	User comments received	1	2
1657	Meeting decided to do Safety addendum	1	2
1660	No action (will probably let expire)		
1679.1	Made some progress.	1	4
1679.2	Homework was assigned and progress was made	1	4
P1881	Steve McCluer will be retiring in the next couple of years, so we have Mike Carmel and Chis Belcher as vice-chair and secretary (respectively) to be in the line of succession. Interim web mtgs will be held.	1	2
P2405	Joint agreement with NEMA finalized. Haissam Nasrat is vice-chair, and Tania Martinez-Navedo is secretary	1	2
Codes WG	Needs to be added by Jim as an official working group so that people can sign up as interested parties on MyProject. Discussion at this mtg was on NFPA 72 and the items covered in the general mtg. There will be interim web mtgs.	1	2
Nuclear WG	Will need session to discuss regulatory changes and their affect on batteries	1	4
SDS WG	Reviewed Curtis presentation from last mtg, plus gassing calculator (both of which will be posted to private area), and decided where in GHS SDS to put certain battery information and links. Randy Schubert is now vice-chair.	1	2

There was a request from Paul Hectors to review signups and emails (notification preferences) on IEEE MyProject web account at the next Monday morning meeting.

Motion to adjourn the meeting was made and seconded. Meeting adjourned by Rick Tressler at 11:49 a.m.