

IEEE Power Engineering Society Entity Annual Report

2015

Entity: Stationary Battery Committee

Chair: Rick Tressler

Vice-Chair: Curtis Ashton

Secretary: Kurt Uhler

1. Significant Accomplishments:

- The Stationary Battery Committee amended: **IEEE Std. 1657-2015a** "IEEE Recommended Practice for Personnel Qualifications for Installation and Maintenance of Stationary Batteries" Amendment 1: Updated Safety Sections. This document is now available for purchase.
- The Stationary Battery Committee updated **IEEE Std. 1106** "IEEE Recommended Practice for Installation, Maintenance, Testing, and Replacement of Vented Nickel-Cadmium Batteries for Stationary Applications". It is now on its way to the December 2015 Rev Com session. Document date suffix pending final approval
- The Stationary Battery Committee created: **IEEE Std. 1881** "Standard Glossary of Stationary Battery Terminology". A ballot pool has been established. A ballot invitation should open before the end of 2015.
- The Stationary Battery Committee (SBC) was represented by chair Rick Tressler, vice chair Curtis Ashton, SBC member Bill Cantor and acting chair of the new Energy Storage and Stationary Battery Committee (ESSB), Chris Searles at the 2015 PES General Meeting in Denver. Chris made an excellent presentation at the PES Technical Council restructuring meeting that detailed the development work that is underway to bring numerous energy storage technologies under a central committee.
- The Codes working group continues to make proposals for NFPA standards that affect stationary batteries. The SBC votes on the proposals and we then offer to SCC-18 (the IEEE liaison to NFPA). The areas of interest include DC Arc Flash and hazards from stationary batteries.
- The joint SBC-NEMA group previously created to address the need in the industry for a 'battery charger' document continued its work on developing the document. The working group has developed an MOU with NEMA. Considerable work has been accomplished throughout 2015
- The SBC NERC Task Force formally submitted a Standards Authorization Request (SAR) for changes to the North America Reliability Corporation (NERC) on July 13, 2015. The SAR relates to the NERC PRC-005 stationary battery maintenance and testing standard.
- The SBC welcomed four new members in calendar 2015, bringing the membership to 62.

2. Benefits to Industry and PES Members from the Committee Work:

- The SBC documents (Standards, Recommended Practices, and Guides) fill a need in the stationary battery industry. They are the recognized documents, utilized by end users, manufacturers, service companies and consultants.
- With the current development work in energy storage, the SBC will become a subcommittee under the new Energy Storage and Stationary Committee (ESSB).

3. Benefits to Volunteer Participants from the Committee Work:

- The volunteers of the stationary battery committee gain valuable insight and understanding of different applications of stationary batteries. The standards writing process is one of collaboration and respect for other's views. The committee members and visitors to the working groups participate in a process that benefits everyone as we strive to produce the best documents possible.

4. Recognition of Outstanding Performance:

- SBC Webmaster Paul Hectors was recognized for his significant contribution of time and effort in the continuous management of the SBC website.

5. Coordination with Other Entities (PES Committees, CIGRE, standards, etc.):

- NEMA as indicated in Item 1, bullet 6
- Codes WG as indicated in Item 1, bullet 5
- NERC as indicated in Item 1, bullet 7

6. New Technologies of Interest to the Committee:

- Working group for Emerging technologies, PAR 1679.1 IEEE Guide for the Characterization and Evaluation of Lithium-Based Batteries in Stationary Applications
- Working group for Emerging technologies, PAR 1679.2 IEEE Guide for the Characterization and Evaluation of Sodium-Based Batteries in Stationary Applications
- Working group for Codes and Standards continues to work on and pursue an understanding of DC arc flash and stationary battery hazards, based upon testing, facts, and field experience.

7. Significant Plans for the Next Period:

- Continue to produce Guides/Standards/Recommend Practices to address the needs of the stationary battery industry.
- Work with ESSB executive committee members in the integration of the SBC into this new committee.

Submitted by:

Rick Tressler
Chair, IEEE Stationary Battery Committee
614-841-5840
rick.tressler@alber.com

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