

IEEE Power Engineering Society Entity Annual Report

2014

Entity: Stationary Battery Committee

Chair: Rick Tressler

Vice-Chair: Curtis Ashton

Secretary: Kurt Uhler

1. Significant Accomplishments:

- The Stationary Battery Committee updated and revised: **IEEE Std. 1188-2005** through the amendment process to issue **IEEE 1188-2014a** "IEEE Recommended Practice for Maintenance, Testing, and Replacement of Valve-Regulated Lead-Acid (VRLA) Batteries for Stationary Applications"
 - Amendment 1: Updated VRLA Maintenance Considerations
- The Stationary Battery Committee updated and revised: **IEEE Std. 1115-2014** "IEEE Recommended Practice for Sizing Nickel-Cadmium Batteries for Stationary Applications"
- The Stationary Battery Committee was well represented by a team of five members at the 2014 PES GM in Washington DC. Two, 2 hour panel sessions were conducted. The first focused on NERC PRC-005 and ohmic measurements. The second addressed battery safety, dc systems arc flash, and safety issues and codes and standards evolution.
- 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 2014.

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.

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:

None

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

- NEMA as indicated in Item, bullet 5
- Codes WG as indicated in Item 1, bullet 4

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.

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